Pistonsan®

PISTON - LINER - RING



2014

Piston, Gömlek, Segman Kataloğu

Pistons, Cylinder Liners, Piston Ring Sets Catalogue

Kolben, Zylinderlaufbuchsen, Kolben Ring Sets Katalog

المكابس، وبطانات الأسطوانات، حلقة الكباس مجموعات الكاتالوج

www.pistonsan.com.tr

TÜV NORD
DIN EN ISO 9001 : 2008

www.pistonsan.com.tr



Pistonsan®

PISTON - LINER - RING



Since 1982

Pistonsan®
PISTON - LINER - RING

35 th years

3.Organize Sanayi bölgesinde 15000 m² açık alan üzerindeki 10000 m²'lik kapalı sahasında Otomotiv
sektöründe hizmet gösteren PİSTONSAN, 35 yıllık engin tecrübe ve birikimi, mükemmel organizasyonu, üretimde kullanılan ileri teknolojisinin sonucu olarak mamül ve sistem kalitesinde müstesna bir seviyeye ulaşmıştır.

Çağın teknolojisinin üretimin her aşamasında en ileri seviyede kullanıldığı PİSTONSAN'ın makina parkında yer alan tezgahlar, üretimde hızı ve kaliteyi garantiliyor.

Çapları 50 - 220 mm arasında değişen farklı dizaynlara sahip 1000 çeşidi aşkın piston bu tesislerde kalıplama ve döküm işlemleri, gerekli malzeme testleri yapılmak suretiyle üretilmektedir.

Hammaddeden satış sonrası hizmetlere kadar tüm aşamalarda kaliteyi güvence altına alan bir sistemle çalışan PİSTONSAN modern üretim felsefesinin geçerliliği paralelinde, müşteri odaklı anlayışla çalışmakta, üretimin her safhasında ve satış sonrasında da müşteri memnuniyetine öncelik vermektedir. Pistonsan çeyrek yüzyıla sığdırdığı sayısız başarılar ve kendine ilke edindiği kaliteli üretim prensibinden ödün vermeyerek, ülke sınırlarını aşan pazarlama ağıyla Türkiye'nin kendi sektöründeki gurur kaynağıdır.

"PISTONSAN" production plant is established in 15000 m² open and 10000 m² covered area at the 3td Organized Industrial Zone and today it has reached to a highly appriciated level in both production and quality system level thanks to its vast experience accumulated over 35 years in the automotive sector. The highest technology and perfect organisation enables it to meet the highest quality requirements.

The CNC lathes which are specially designed for the production of pistons guarentee the speed and quality in every step of production.

Over 1000 types of combustion engine pistons with diameters varying from 50 mm. to 220 mm. are currently being produced in the plant after the strictest measurement controls at every step from moulding and casting are applied.

"PISTONSAN" operates with a system in which the quality has the utmost priority at every level from the entrance of raw material up to after sale services where modern production philosophy is valid and the customer is in the center. Therefore satisfaction of the customer comes first above all."PISTONSAN" is proud of having international marketing and a successful background over a quarter of a century with many unexceptional achievements in the sector and has never quitted its highest quality standards.








SERTİFİKA

TÜV NORD

DIN EN ISO 9001 : 2008'e göre
yönetim sistemi

TÜV NORD CERT prosedürleri uyarınca, işbu sertifika ile

Pistonsan

Pistonsan Motor Pistonları İmalat ve Sanayi Tic. Ltd. Şti.
3.Org. San. Bölg., 14. Sokak, No 3,
TR-42300 Konya,
Türkiye

ünvanlı kuruluşun, belirtilen standarda göre, aşağıdaki geçerlilik alanında bir yönetim sistemi uyguladığı belgelenmektedir.
Geçerlilik alanı

Dizel ve benzinli motorlar için piston, piston pimi tasarımı, üretimi ve satışı ile gömlek, segman satışı

Sertifika Tescil No 44 100 103554
Teftiş Raporu No TR 282

2016-09-28 tarihine kadar geçerlidir

TÜV NORD CERT GmbH -
Sertifikasyon Merkezi

İstanbul, 2013-09-29

İşbu sertifikasyon TÜV NORD CERT'in teftiş ve belgelendirme prosedürlerine göre gerçekleştirilmiştir ve düzenli aralıklarla yapılan gözetim teftişlerine tabidir.

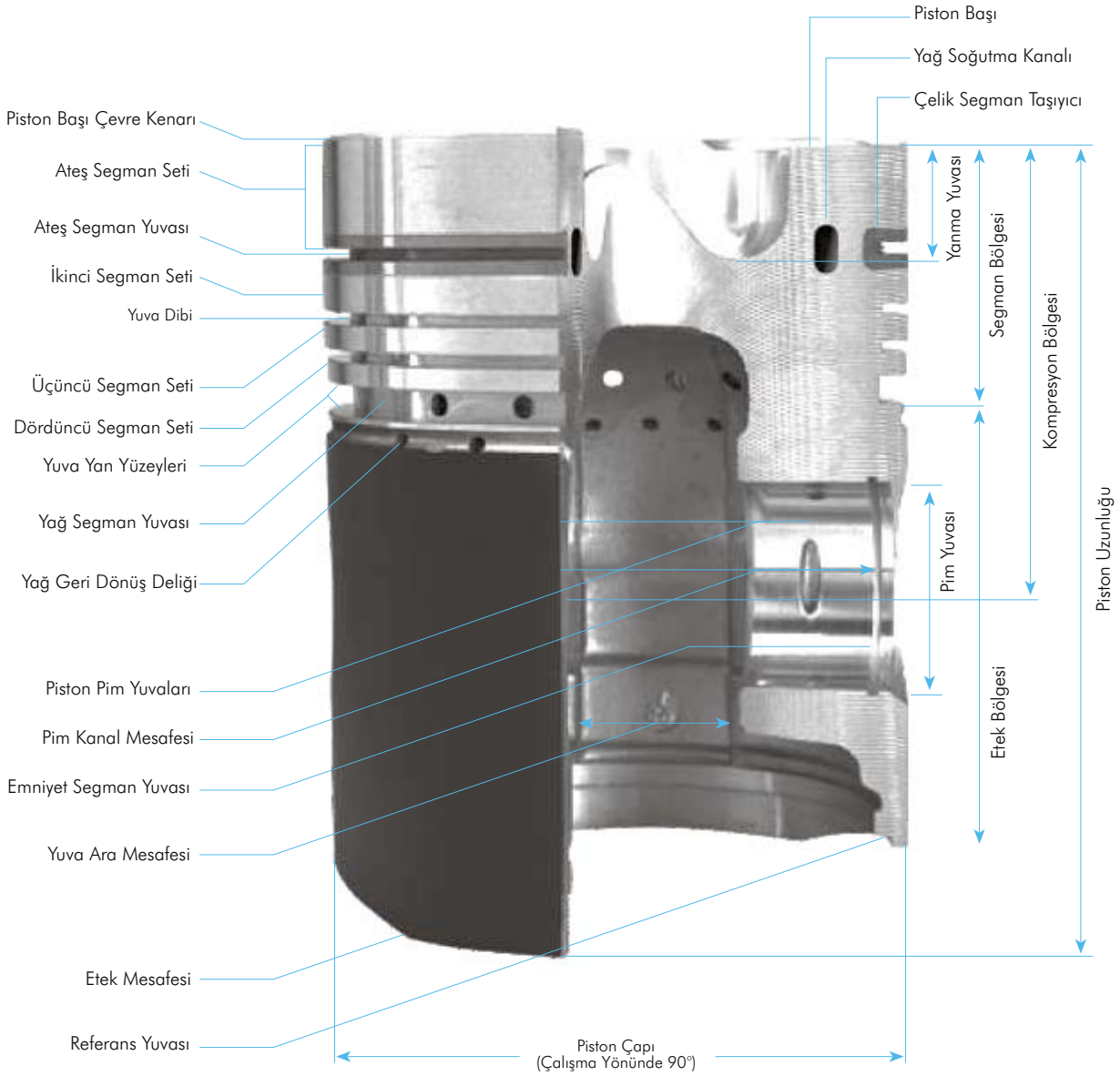
TÜV NORD CERT GmbH | Langemarckstrasse 20 | 45141 Essen | www.tuev-nord-cert.com

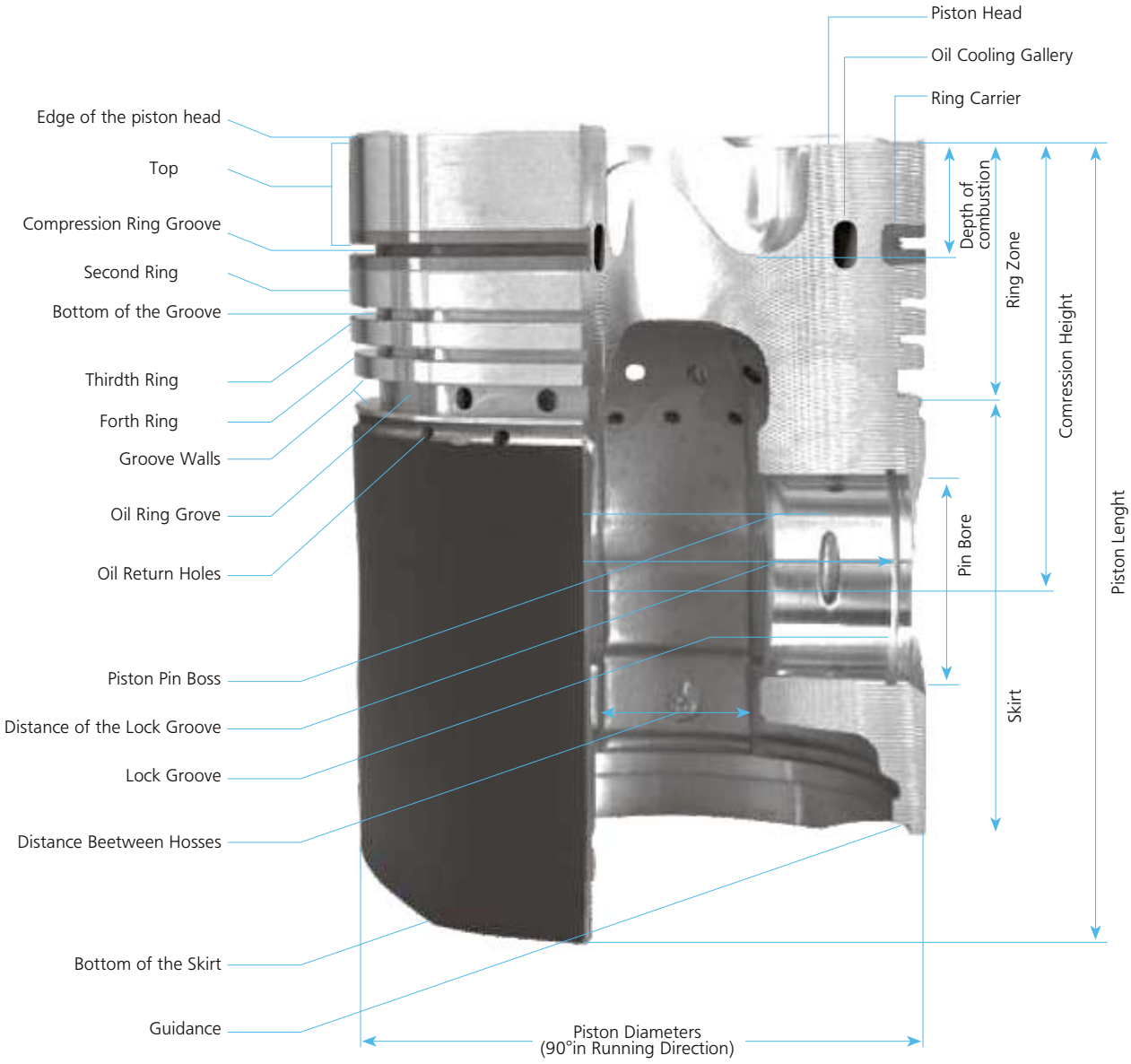
IAF



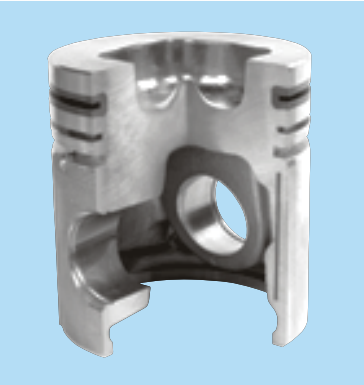


Piston Teknik Terimleri



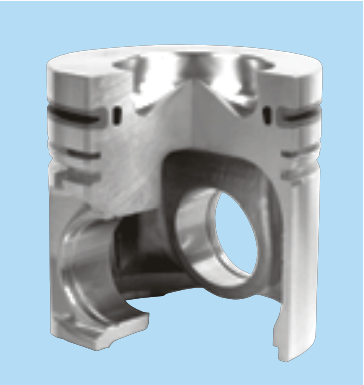

Piston Head
Oil Cooling Gallery
Ring Carrier
Edge of the piston head
Top
Compression Ring Groove
Second Ring
Bottom of the Groove
Thirdth Ring
Forth Ring
Groove Walls
Oil Ring Grove
Oil Return Holes
Piston Pin Boss
Distance of the Lock Groove
Lock Groove
Distance Beetween Hosses
Bottom of the Skirt
Guidance
Depth of combustion
Ring Zone
Comression Height
Piston Lenght
Pin Bore
Skirt
Piston Diameters
(90°in Running Direction)

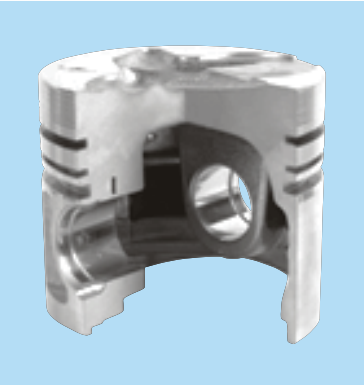
Tasarımlarına Göre Piston Tipleri
The Piston Types Desings



Çelik Segman Taşıyıcılı Piston
Ring Carier Piston

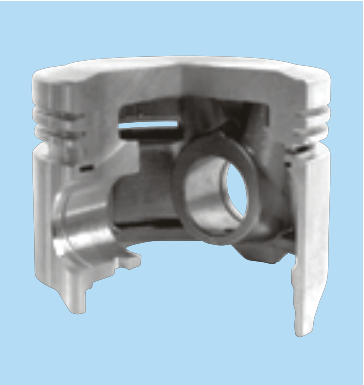
Çelik Segman Taşıyıcılı ve
Yağ Soğutma Kanallı Piston
Ring Carier Piston With Cooling Channel Piston





Parçalı Saçlı Piston
Piston With Segment String

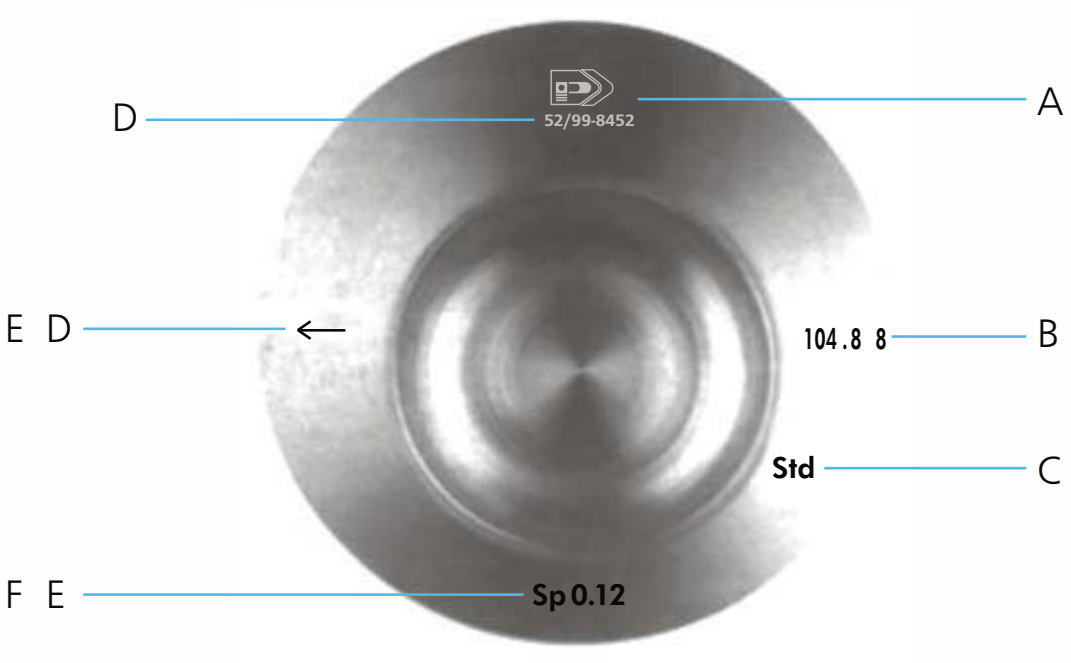
Dairesel Saçlı Piston
Piston With Ring Strip



Üst Ölçü Inch Olarak
Oversize In Inches

ÜST ÖLÇÜLER *ABOVE SIZES* Inch	mm	ÖLÇÜ HASSASİYET FARKI *DIAMENSIONS PRCISIONS DIFFERENCE*
Std.	0	0
.005	0.13	+3/1000
.010	0.25	-4/1000
.015	0.38	-1/1000
.020	0.51	+2/1000
.025	0.64	+5/1000
.030	0.76	-2/1000
.035	0.89	+1/1000
.040	1.02	+4/1000
.045	1.14	-3/1000

ÜST ÖLÇÜLER *ABOVE SIZES* Inch	mm	ÖLÇÜ HASSASİYET FARKI *DIAMENSIONS PRCISIONS DIFFERENCE*
.050	1.27	0
.055	1.40	+3/1000
.060	1.52	-4/1000
.065	1.65	-1/1000
.070	1.78	+2/1000
.075	1.91	+5/1000
.080	2.03	-2/1000
.085	2.16	+1/1000
.090	2.29	+4/1000
.095	2.41	+3/1000
.100	2.54	0



A Pistonsan Logo
Pistonsan Logo

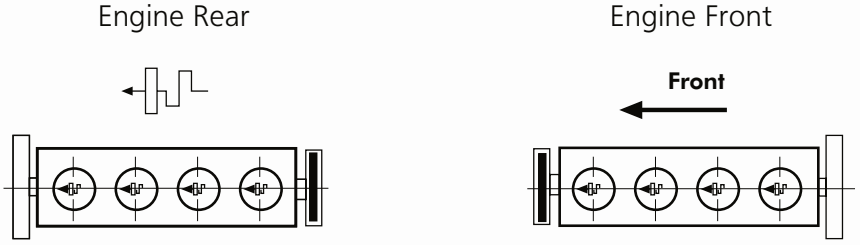
B Piston çapı (mm)
Piston diameter

C Standart
Standart

D İş emri nosu ve tarihi
Work order no & date

E Piston takma doğrultusu
Piston direction of Mounting

F Boşluk
(20 ° C'de ölçülen piston-silindir arasındaki mm olarak ölçü farkı)
Fitting
(Measurement of diameter dierence between piston and liner at 20 ° C)



Pistonsan Kataloğu Dizgi ve Sipariş Kodlama Sistemi;

Üretim programımızda yer alan piston markaları kataloğumuzda, alfabetik sırayla dizilmişlerdir. Marka grubu içindeki dizin ise silindir çapına göre küçükten büyüğe doğru yapılmıştır.

- Siparişi verilecek piston 50 mm ile 220 mm çapları arasında olmalıdır.

- Sipariş olarak girilecek; piston, segman veya silindir gömleği PISTONSAN kataloğunda mevcut ise, PISTONSAN kodu 'nun verilmesi yeterlidir. Ancak olası karışıklıkların önlenebilmesi amacıyla, ilgili pistonun marka, silindir çapı ve motor-araç tipininde belirtilmesi faydalı olacaktır.

- Siparişi verilecek olan piston-silindir gömleği ve segman Pistonsan kataloğunda tanımlanmamış ise ilgili parçanın
marka, motor-araç tipi, silindir çapı ve orjinal numarası bilgilerinin belirtilmesi gerekmektedir.

- Piston ve silindir gömleği siparişlerinde parçaya ait ayırıcı özellik niteliğinde olan segman taşıyıcılı, mukavemet plakalı gibi özelliklerin veya yüzey kaplama türlerinin (kalay, grafit, fosfat gibi) belirtilmesi de oldukça faydalıdır.

Pistonsan Parça Kodlama Sistemi

P 420 165 Std.

STD = Standart Ölçülü Piston.
0.40 = + 0.40 mm üst ölçülü Piston **020 = + 0.020" üst ölçülü Piston**
0.60 = + 0.60 mm üst ölçülü Piston **030 = + 0.030" üst ölçülü Piston**

Pistonsan Seri Numarası

P = Piston + Pim (Segmansız)
PR = Piston + Pim + Segman
L = Silindir Gömleği
K = Piston+Pim+Segman+Silindir Gömleği

NOT: Standart ölçülü motor gömleğinde kod numarası örneğin L 420 165'dir. Üst ölçü veya farklı motor tipli gömleklerde kod murası L 420 166 - L 420 167 gibi olacaktır.

Instructions for using Pistonsan Catalogue and Ordering System

- All engine pistons in our production are listed alphabeticaly from smaller bore size thouhg bigger.

- Ordered piston bore size must be between 50-220 mm

- It is enough to state Pistonsan Ref. No, if ordered piston, ring or liner are content of Pistonsan Catalogue. In order to overcome any future problem, it will better to state required piston's bore size, brand name and engine type.

- If ordered piston, ring or liner are not in Pistonsan Catalogue, it must be given bore size, brand name, engine type and OEM No.

- Although, it will be helpful to state the specs of piston i.e. with steel ring carrier (alphin), segment strip and type of coating during the ordering.

Pistonsan Reference System:

P 420 165 Std.

STD = Standard Size
0.40 = + 0.40 mm Over Size Piston **020 = + 0.020" Over Size Piston**
0.60 = + 0.60 mm Over Size Piston **030 = + 0.030" Over Size Piston**

Piston Reference No

P = Piston + Pin (Without ring)
PR = Piston + Pin + Ring
L = Cylinder Liner
K = Piston+Pin+Ring+Cylinder Liner

NOTE: Standard size cylinder liner Ref. No is instance L 420 165. If it is over size liner or for different type of engine, then it will be L 420 166 - L 420 167.

Pistonsan Piston Montaj Talimatı

Piston mamül kataloğu, bu kompenentlerin uygun olduğu motor detay bilgisini verir. Bu montaj talimatları tam olarak yerine getirilmelidir. Yapılacak herhangi bir hata tehlikelidir, önemli motor arızalarına sebep olabilir. Sonuçları büyük olan zararlar doğabilir. Bu Pistonların talimata uygun olmayan montajından doğacak bozulma veya tahribattan satıcı mesul tutulmayacaktır.

Krom kaplamalı piston segmanları krom kaplanmış silindir gömleklerinde kullanılmamalıdır. Her zaman yeni emniyet segmanları ile montaj yapılmalıdır.

• Toplanmış pistonu aşınmış silindir içine monte etmeden önce silindir delikleri hafifçe honlanacak veya silindir çalışma yüzeyindeki camlaşma giderilecektir. Yüzeyde çapraz, baklavamsı honlama çizgileri oluşturulacaktır.

• Bütün pistonlar, doğru ölçülü bir silindir içine monte edildiklerinde doğru bir piston - silindir çalışma boşluğu oluşturulması için hassas ve doğru olarak imal edilir. Silindir delik çapları, kutu üstündeki etiketlerde gösterilen ölçülere uygunluklarını kontrol etmek ve bu şekilde yeniden işlenmelerinin gerekli olup olmadığını saptamak için yeniden kontrol edilmelidir. Gerekli ise silindir çapları, yeniden kutu etiketinde gösterilen nominal değer ve gerekli üst ölçü toplamına 0 - 0.025 mm toleransı ile işlenmelidir. Pistonlara fabrika imalatı dışında işlem yapılmamalıdır.

• Gerekli hallerde, toplanmış olan pistondan piston pimini, pistona ve pime herhangi bir zarar vermemek için sıcak yağ içinde ısıtarak çıkarın. Piston Pimleri her pistona ölçü uygunluğunu sağlayacak şekilde, eşleştirilerek monte edilmiştir, rastgele değiştirilemez.

• Bir piston ve biyeli motora monte etmeden önce biyelin düzgünlüğünü - gönyesinde olduğu tekrar kontrol edilmelidir.

• Toplanmış pistonun çok dikkatli şekilde temizlenmesi tavsiye edilir. Toplanmış pistonu, piston pimine özel bir dikkat göstererek yağlayın, her bir silindir deliğini iyice yağladıktan sonra uygun ölçüde bir segman sıkma kelepçesi kullanarak her pistonu silindir içine monte edin.

• Pim deliği egzantrik-kaçık olan pistonlar, kaçık olan tarafları, başka bir talimat verilmedikçe, motorun basınç yönü tarafına gelecek şekilde monte edilmelidir. Özel bir pozisyonda montajı gereken bütün pistonlar, pistonun başı üzerine uygun şekilde markalanmıştır.

• Piston-Piston pimi ve segmana zarar verebilecek darbelerden kaçının.

SERT ANOTLANMIŞ PİSTONLAR İÇİN ÖZEL NOT:

• Bu pistonların piston başı yüzeyi, çatlaklıkları önlemek amacıyla sert anotlanmıştır. Bu yüzden üst boşluğu eşitlemek için, ya düşük kompresyon yükseklikli, ya da daha kalın silindir kafası contası kullanılmalıdır. Piston başı işlendiği taktirde, çatlaklara karşı mukavemet azalmış olacaktır.

Pistonsan Piston Fitting Instructions

The Pistonsan piston product catalogue gives details of engines for which these components are suitable.

These fitting instrictions must be complied with exactly. Any failure to do so is dangerous could result in severe engine failure and extensive consequental loss. If any damage or injury result from not fitting this component as instructed the seller will not be liable for such damage or injury.

Chromium plated piston rings must not be fitted into chromium plated cylinder bores, always use new circlips.

• Before fitting piston assemblies into worn cylinder bores, the bores should be lightly honed or the glaze removed from the cylinder working surface. A crosshatch surface finish should be produced.

• All pistons are accurately manufactured to the correct size. Cylinder bores must be checked in order to determine if re-machining is required by reference to the sizes shown on the carton label. Where necessary cylinder bores are to be finish machined to the nominal sizes shown on the carton label plus the required oversize, to a tolerance of 0 - 0.025 mm. Please don't remachine the pistons.

• When necessary remove the piston pin from the assembly by heating in hot oil to avoid damage to the piston or pin. The piston pins have been selectively assembled to each piston and are not interchangeable.

• It is advisable to check the connecting rod alignment before re-assembling the rod and piston to an engine.

• It is recommended that the piston assembly be throughly cleaned. Lubricate the piston assembly, paying particular attention to the piston pin. Lubricate each cylinder bore and each piston assembly into its cylinder using a piston ring clamp of the appropirate size.

• Please avoid to have impact on the piston, piston pin and rings.

SPECIAL NOTE FOR HARD ANODIZED PISTONS:

The crown surface of such pistons have a hard anodized coating to avoid craks in the crown. To equlize the top clearance you have to use therefore either pistons with reduced compression height or thicker cylinderhead gaskets.

By turning off the piston crown the protection against cracks on the crown get loosen.

Pistonsan Piston Pimlerinin Taklma Talimatı

Takılış şekline göre Pim Grupları

Pim Yuvası ile Pim Arasındaki Boşluk Ölçüsü	Montaj Şekli
0.0075 mm'den büyük boşluk	Piston pim yuvası ile pim arasında elle hissedilebilir derecede boşluk vardır. Pim yuvasından kendi ağırlığıyla düşebilir.
0.005-0.0075 mm arası boşluk	Piston pimi pim yuvasında elle hissedilebilir bir direnç görmeksizin hareket eder ve kendi ağırlı ile yuvadan çıkar.
0.0025-0.005 mm arası boşluk	Piston pimi parmak basıncı ile pim yuvasında hareket edebilir.
0-0.0025 mm arası boşluk	Piston pimi başparmak basıncı ile pim yuvasından çıkartılabilir.
Pim çapı Pim yuva çapından 0-0.0025 mm büyük	Piston pimi avuç içi basıncı ile yuvasına takılabilir. Bu montaj tipinde pistonun hafifçe ısıtılması tavsiye edilir. Pim sökme ve takma operasyonlarında pistonun sıcak yağ ısısı ile ısıtılması tavsiye edilir.
0.0025-0.005 mm sıkılık 0.005 mm'den daha fazla sıkılık	Bu montaj tipinde piston ısıtılmadan piston piminin takılabilmesi mümkün değildir. Pim sökme ve takma operasyonlarında pistonun sıcak yağ ısısı ile ısıtılması gerekmektedir.

Takılış uygulama sahaları

Piston piminin pim yuvasına emniyet segmanı ile tespit edildiği hallerde:

Piston Hammaddesi	Piston Tipi	Motor Tipi	Tolerans Aralığı
Alüminyum alaşımları	Düz etekli dökme-dövme ve çelik mukavemet plakalı pistonlar	4 zamanlı benzinli motorlar	0.005 mm boşluk ile 0.003 mm sıkılık
	Yaklaşık 90 mm çapa kadar olan pistonlar	2 zamanlı ve genellikle benzinli motorlar	0-0.010 mm boşluk
Alüminyum alaşımları	Yaklaşık 80 mm çapa kadar olan düz etekli pistonlar	4 zamanlı motorlar	0.008 mm boşluk ile 0.006 mm sıkılık
	Yaklaşık 60-130 mm arası çapa kadar olan pistonlar	2 zamanlı ve genellikle diesel motorlar	0.005-0.0025 mm arası boşluk
Özel dökme demir	Yaklaşık 80 mm çapa kadar olan düz etekli pistonlar	Genellikle kompresör ve pompalar	Burçsuz olarak 0.002-0.0012 mm arası boşluk
	Yaklaşık 80-130 mm arası çapa kadar olan pistonlar	Genellikle 2 zamanlı ve diesel motorlar	Burçlu olarak 0.008-0.020 mm arası boşluk

Piston piminin biyel koluna sıkı geçme olarak tespit edildiği hallerde

Piston Hammaddesi	Piston Tipi	Motor Tipi	Tolerans Aralığı
Alüminyum alaşımları	Bütün piston tiplerinde 130 mm çapa kadar olan pistonlar	4 zamanlı	0.004-0.015 mm arası boşluk
Özel dökme demir	Bütün piston tiplerinde 130 mm çapa kadar olan pistonlar	4 zamanlı	Burçlu olarak 0.004-0.012 mm arası boşluk

Pim Montaj Talimatı

Pistonsan pistonları, toleranslara uygun şekilde imal edilmiş ve takılı olduğu yada kutusunda bulunduğu pistona göre eşleştirilmiş pimlerle satışa sunulmaktadır. Pistonların çalışma performansları önemli düzeyde; pimin, piston pim yuvasında ve biyel kolunda iyi yataklanmasıyla doğru orantılıdır. Yataklanma kalitesini etkileyen en önemli unsur, pimin pim yuvasına geçme toleransıdır ve bu toleranslar uzun süren çalışmalarla tesbit edilmiştir. Eskiden sıkça kullanılan pim yuvasına sıkı geçme pim yerine, günümüzde kullanılan hassas yüzey işleme ve kontrol metodları ile hafif kaygan geçme pimler kullanılır olmuştur.

Pistonsan pimleri, hassas işleme ve ölçme işlemlerinden geçtikten sonra pistonlarla eşleştirildiklerinden ve pistonlara montajlı olarak sevkedildiklerinden pimler asla karıştırılmadan takılmalıdır. Eşleştirme işlemi yandaki tolerans tablosuna göre yapılmıştır. Tolerans tablosunda belirtilen şartlar 20°C'da greslenmiş yada yağlanarak montaja hazırlanmış pim ve pim yuvası için geçerlidir. Montaj öncesinde piston ve pim üzerinde donmuş haldeki yağ-gres mutlaka temizlenmelidir.

Pimler zorlanarak takılmamalı, sıkı geçme toleranslı pimler takılırken pistonlar sıcak yağ ile ısıtılarak ve biyel koluna montaj özel aletler kullanılarak yapılmalıdır.

Types of pin fitting according to pin type

Pin clearance	Fitting type
>0.0075 mm clearance	Pin moves with tangible play in pin holes and drops through both lholes when piston is turned horizontally.
0.005-0.0075 mm clearance	Pin moves in piston without perceptible resistance and slides out of pin holes when piston is turned horizontally. (movement slightly retarded by lubricating film.)
0.0025-0.005 mm clearance	Pin moves in pin holes under firm fingertip pressure,
0-0.0025 mm clearance	Pin moves in pin holes under firm fingertip (thumb) pressure.
0-0.0025 mm interference	Pin can be pressed into pin holes with palm of hand, piston should preferably be lightly heated.
0.0025-0.005 mm interference more than 0.005 mm interference	Pin cannot be pressed in to pin holes without heating piston. To insert and remove the pin, piston has to be thoroughly heated. Avoid overheating, especially when using a naked flame.

Application ranges of the common fits

Pin secured with circlips

Piston Material	Piston Type	Operating Cycle	Fit Range
Alüminium Alloys	Solid skirt piston cast and forged and steel belt piston up to about 90 mm dia.	Four-stroke Two stroke (Mainly petrol engines)	0.005 mm clearance to 0.003 mm interference 0 to 0.010 mm clearance
Alüminium Alloys	Solid skirt piston up to about 80 mm about 80 to about 130 mm dia.	Four-stroke Two stroke (mainly diesel engines)	0.008 mm clearance to 0.006 mm interference (in some cases larger)
Special Cast iron	Solid skirt piston up to about 80 mm about 80 to about 130 mm dia.	Mainly compressors and pumps Mainly two stroke diesel engines	0.002 to. 0.012 mm clearance (in some cases larger) (with bush) 0.008 to. 0.020 mm clearance (in some cases larger)

Pin secured with fixed-pin or shrink-fit connecting rod

Piston Material	Piston Type	Operating Cycle	Fit Range
Alüminium alloys	All types up to about 130 mm dia	Four stroke	0.004 to 0.015 mm clearance
Special cast iron	All types up up to about 130 mm dia	Four stroke	(with bush) 0.004 to 0.012 mm clearance

Insruction for pin fitting

Pistonsan piston gudgeon pins are either fitted or seperately wrapped which are subgroupped matching pins. Pistons performances are depended on gudgeon pin fittings and small end connecting-rod connection. The important factor of gudgeon pin fitting is pin clearance which has been come out after number of tests. Nowaday, it is prefered to use pin with in tolerance ranges which is produced with sensitive granding system and insentive control, instead of using pin with smaller clearance.

After grinding and controlling Pistonsan gudgeon pins, they are fitted. Various fitting grades and their applications are specified in the table They apply to pistons at normal ambient temperature 20 C with pis and pin hole well greased or oiled. Before fitting, the grease or oil on the pin must be removed.

Force must not be used for removal or insertion of pins if necessary. The pistons must be warmed up untill the pins can be moved without force. To fit connecting rod is to be made by using specail tools.

Pistonsan Silindir Gömleği Montaj Talimatı

Genel:

•İçten yanmalı motorlar olarak bazen, blok ve silindirler birlikte tek parça olarak dökülmüş tiplerin yerine, silindir duvar kalınlıkları kontrol altında tutulabilen ve daha iyi çalışma yüzeyleri elde edilebilen tipler tercih edilmektedir. Bunun için, silindirler müstakil olarak gömlek şeklinde hazırlanmakta ve bloka geçirilmektedir. Bu yöntemle değiştirilebilir cinsten silindirler elde edilebilmektedir.

•Bu gömleklerin bir tipi soğutma suyu ile doğrudan temas halindedir. Etrafında dolaşan suyun sızmasını önlemek için gömleğin üst ve alt taraflarına sızdırmazlık contaları ve lastik halkalar yerleştirilmiştir. Bu tip gömleğe "Yaş Tip Silindir Gömleği" denir.

•Diğer bir şekilde ise, motor blokundaki delikler büyütülür ve özel yapılan ince gömlekler bu deliklere geçirilir. Bu cins gömlek, soğutma suyu ile doğrudan temasta olmadığından ve sızdırmazlık için herhangi bir contaya ihtiyaç göstermediğinden, "Kuru Tip Silindir Gömleği" olarak adırılır.

•Yaş veya kuru olsun her tipin belirli bir servis avantajı vardır. Silindir aşındığı zaman, motor bloku ile tek parça olan silindirlerin içlerini bir üst ölçüye işleyip, gene üst ölçü pistonları ve segmanları takmak bazen daha ekonomik olmaktadır.

•Bizim sattığımız bütün gömlekler, ister yaş ve kuru tipte, isterse yarı mamül veya tam işlenip honlanmış olsunlar, savurma döküm metoduyla ve motor yapımcısının spesifikasyonlarına uygun olarak üretilmektedir. Dökme demirin kompozisyonu, grafit formasyonu ve dağılımı, fosfit ağı formasyonu tanınmış bütün üreticilerin piston segmanları ile uyum sağlayabilir.

•Bu gömlekler, korozyon ve kavitasyon erozyonunu önlemek maksadıyla, fosfatlama ve krom kaplama gibi yüzey işlemleri yapılmış olarak da pazarlanabilmektedir.

•Silindir gömlekleri incelikle işlenmiş parçalardır ve bu sebeple, darbelere ve sıkıştırılmalara karşı çok hassastır. Deformasyonları ve hasarlanmaları önlemek için paketleme, taşıma, depolama ve paket açma sırasında dikkatle hareket edilmelidir. Yeni gömlekler her zaman dik bir şekilde tutulmalıdır.

Yaş gömleklerin takılmaları talimatı:

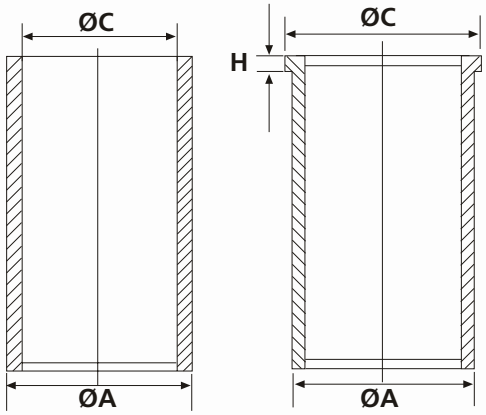
•Yeni gömlekler takılmadan evvel silindir blokundaki delik ve fatura yüzeyleri gibi temas yerleri temiz ve hasarsız durumda olmalıdır. Bu yüzden,aşınmış gömlekler dikkatli bir şekilde, hidrolik pres veya uygun bir çektirme kullanılarak çıkarılmalıdır.

•Ayrıca, bloktaki her silindirin üst ve alt deliklerinin aynı eksende olması ve bu eksenin gömlek flanşının oturma yüzeyine ve blok üst yüzeyine dik olması kontrol edilmelidir.

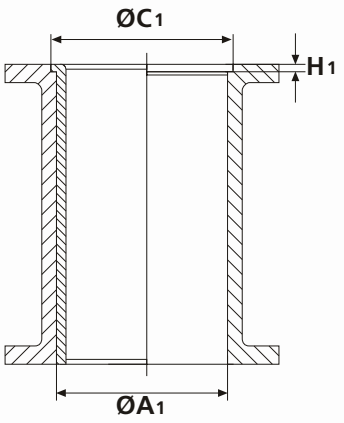
Motor blokundaki silindirlerin delik çapları (A1), flanş faturası çapları (C1) ve flanş faturası derinlikleri (H1) katalogda her bir gömlek için verilen A, C ve H değerlerine aşağıdaki tabloda ki toleranslar içinde kalmak üzere, aynen uymalıdır.

Kuru gömleklerin takılmaları talimatı:

•İçleri yarı işlenmiş presle takılan kuru gömlekler (bu katalogda C harfi ile tanımlananlar.)dış çapları tam işlenmiş ve iç çapları son ölçüsünden yaklaşık 0.5 mm daha küçük halde verilirler. Bunlar silindir blokuna takıldıktan sonra son ölçülerine işlenirler ve honlanırlar.



Kuru Gömlek (Flanşsız) *Kuru Gömlek (Flanşlı)*



Silindir Bloku Deliği

•Yeni gömlekler takılmadan evvel silindir blokundaki flanş faturaları (mevcut ise) ve delikler çok iyi temizlenmeli ve bu katalogdaki değerler ile karşılaştırılmak üzere dikkatle ölçülmelidir. Gömleklerin dış çapları (A), flanş çapları (C) ve flanş yükseklikleri (H) nominal değerler olarak belirtilmişlerdir.Gömlekler aşağıdaki tabloda gösterilen toleranslar içinde üretilmişlerdir.

•Motor blokundaki silindirlerin delik çapları (A1), flanş faturası çapları (C1) ve flanş faturası derinlikleri (H1) katalogda her bir gömlek için verilen A, C ve H değerlerine aşağıdaki tabloda toleranslar içinde kalmak üzere, aynen uymalıdır.

•Eğer motor bloğundaki silindirlerin blok çapları bu katalogda belirtilen (A) ölçülerinden daha büyük iseler veya 0.025 mm. den daha fazla oval veya konik iseler bu silindirler yeniden bir üst kademeye işlenmeli ve honlanmalıdır.

Kuru Silindir Gömlekleri için tolerans tablosu

	Gömlek Dış Çap Grupları (mm)		
	50-80	80-120	120-180
Ø A için	+ 0.070 + 0.045	+ 0.080 + 0.055	+ 0.090 + 0.065
Ø C için	- 0.06 - 0.10	- 0.07 - 0.12	- 0.08 - 0.15
H için	+ 0.2 0	+ 0.2 0	+ 0.2 0

•Kuru gömleklerin, uygun bir şekilde işlenmiş, honlanmış ve temizlenmiş silindir bloklarına takılmaları için yaklaşık 3.000 kg.lık bir kuvvet yeterlidir. Gömlek üzerine uygulanan kuvveti basınç göstergesi ile belirtilen bir hidrolik pres bu iş için iyi sonuç verebilir. Hidrolik preste gömleğe basan kuvveti kontrol altında tutabilmek için bu kuvveti 5.000 kg'ma limitleyen bir basınç ayarlayıcı vana bulunmalıdır.Aksi halde uygulanan aşırı kuvvetler flanşın alt iç köşesi boyunca gömleğin çatlamasına sebep olabilir. Eğer faturanın flanş oturma yüzeyi düzgün ve blok deliği eksene dik değilse gömlekte ani kırılma meydana gelebilir.

•Yeni gömleği bloktaki deliğe geçirirken dış yüzüne normal yağ veya gres sürülmemelidir. Geçmeyi kolaylaştırmak için bunların yerine molibden - bisülfat gibi iyi kaliteli bir karışım kullanılması tavsiye edilebilir.

Silindir Blok Deliği için tolerans tablosu

	Blok Delik Çapları 50 mm. den 180 mm.ye kadar
Ø A_1 için	± 0.01
Ø C_1 için	+ 0.25 + 0.10
H_1 için	0 - 0.15

•Biz aynı zamanda iç çapı tam işlenmiş, honlanmış ve dış çapı da tam işlenmiş kuru silindir gömlekleri üretmekteyiz. Bu gömlekler "Kaygan Geçme" olarak adırılırlar ve bloktaki yerlerine takıldıktan sonra işlenmeyi ve honlanmayı gerektirmezler.

•Bu tam işlenmiş ve honlanmış kuru silindir gömleklerinin geçmelerinde blok silindirlerine uygulanacak işleme toleransları (motor) yapımcısı tarafından başka bir şekilde tavsiye edilmemişse) aşağıdaki gibidir.

Blok silindir çapı (A1) için: + 0.015 mm
+ 0 mm

Blok flanş faturası çapı (C1) için: + 0.25 mm
+ 0.10 mm

Blok flanş faturası derinliği (H1) için: + 0 mm
- 0.15 mm

Yukarıdaki toleransların uygulanacağı nominal değerler bu katalogda A, C ve H değerleridir.

Pistonsan Cylinder Liner Fitting Instructions

General

•In some internal combustion engines, it is found desirable to have the cylinder walls of controlled thickness or to have wearing surfaces better than the type with cylinders and block cast in one piece. In such cases, the cylinders are made individually in the form of a sleeve and inserted into the block. With this method renewable kind cylinders are obtained.

•One type of these sleves come directly in contact with cooling water.The sealing gaskets and rubber rings are placed at the top and bottom of the sleeve to prevent the leakage of cooling water circulating around it. This kind of sleeve is called "Wet Type Cylinder Liner".

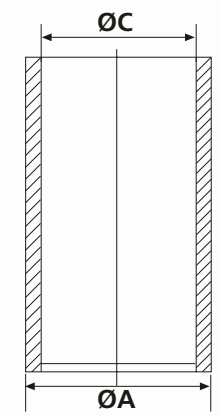
•In another case, the bores of engine block are made over size and special
thin sleeves are fitted into them This is known as "Dry Type Cylinder Liner" because the cooling water does not come in contact with it and no gaskets are required for the sealing.

•There is a certain service advantage to either the wet or dry type liner When the cylinder wears, a new liner can be installed which is sometimes more economical then resurfacing the inside of the cylinders, integral with the engine block, to an oversize dimension and fitting oversize pistons and rings.

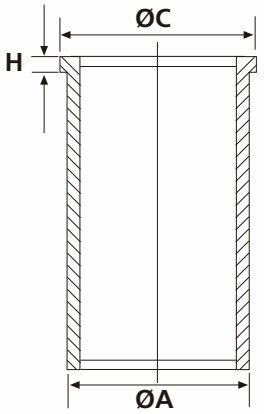
• We manufacture and supply all liners as centrifugally cast and fully in conformance with the original engine manufacturer's specifications, whether they are dry or wet type and either semi finished machined of finished machined and honed. The cast iron composition, graphite formation and distribution, phosphide net formation match with all piston rings of outstanding manufacturers.

•The cylinder liners can also be supplied with surface treatments as phosphated or chromium plated to overcome the corrosion and cavitation erosion problems.

•Cylinder liners are precision made and therefore they are very sensitive against shocks and compressions. In order to avoid deformations and damages they must be handled with care during packing,transportation, storage and unpacking. New liners must always be stored in upright position.



Dry Liner Without Collar



Dry Liner With Collar

Fitting instructions for Wet Type Cylinder Liners

•Before fitting the new liners, the contact places of the cylinder block, such as block bores, collar recesses and collar seating surfaces must be clean and not damaged. Worn-out liners, therefore, must be clean and not damaged. Worn-out liners,therefore, must carefully be removed,with the help of a hydraulic press of by means of a suitable puller.

•It must also be checked that the upper and lower bores of each cylinder in the block must be in line with each other and their axes must be perpendicular to the liner collar seating surface and top surface of the block.

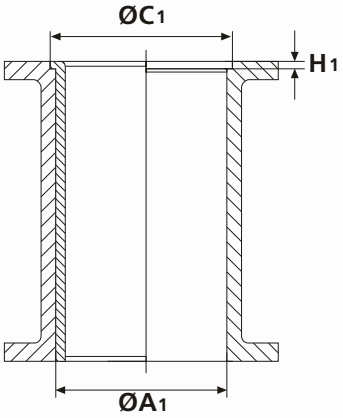
Fitting instructions for Dry Type Cylinder Liners

•Semi fnished bore press fit dry liners are supplied with finished outer diameter and with bore machined approximately 0.5 milimeter smaller than the finished size, They must be finished machined and honed after fitting them into the cylinder block.

Tolerance table for Dry Cylinder liners

	Liner outer Diameter groups		
	50-80	80-120	120-180
For Ø A	+ 0.070 + 0.045	+ 0.080 + 0.055	+ 0.090 + 0.065
For Ø C	- 0.06 - 0.10	- 0.07 - 0.12	- 0.08 - 0.15
For H	+ 0.2 0	+ 0.2 0	+ 0.2 0

The bores (A_1), recess diameters (C_1) and recess depths (H_1) in the engine block must be equal to the exact sizes given for individual liners an A, C and H in the catalogue, within the tolerances shown in the following table



Cylinder Block Bore

Tolerance Table for Cylinder Block Bores

	Block Bore Diameters between 50 mm and 180 mm
For Ø A_1	± 0.01
For Ø C_1	+ 0.25 + 0.10
For H_1	0 - 0.15

If the cylinder block bores found greater than the sizes (A) given in this catalogue, or out-of-round or tapered more than 0.025 mm, they must be re-machined and re-honed for the use of the oversized new liners.

• Before fitting the new liners the collar recesses (when present) and bores of the cylinder block must be cleaned completely and then measured carefully in order to compare the dimensions with those of the liners listed in this catalogue.The outer diameters(A),collar diameters (C) and collar heights (H) of the liners are given as nominal values.The liners are produced within the tolerances shown the following table.

• A force of around 3.000 kilogram is sufficient for fitting dry liners into a properly machined honed and cleaned bores of the cylinder block. A hydraulic press usually gives best result, since the force exerted on the liner can be controlled by means of its pressure gauge. The press must be equipped with a pressure regulating valve to limit the force at about 5.000 kilograms, in order to avoid excessive forces which would cause cracks alongside the root corner of the lower face of the collar. The same fracture may occur if the seating surface of the collar recess is not flat and square with the axis of the bock bore.

• Conventional lubricants, such as oil or grease will not be used on the outer surface while inserting the new liner. The use of a good qualitiy gliding compound, like molybdenumbisulfite is advisable to facilitate the fitting.

• We also supply dry liners with finished machined and honed bores, as well as, finished outer diameters to the final sizes These liners are called "Slip Fit" and they do not require any machining of their bores after fitting them into the block.

• In this case of finish machined and honed dry cylinder liners, the fitting tolerances for block cylinders shall be as follows (if not recommended otherwise by the engine manufacturers.)

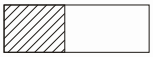
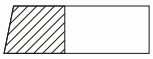
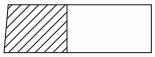
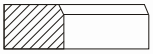
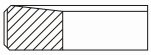
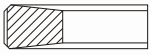
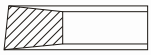
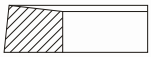
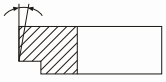
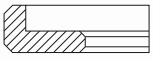
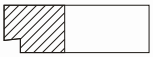
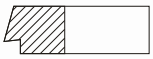
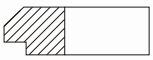
For block bore diameter (A_1): + 0.015 mm
+ 0 mm

For collar recess diameter (C_1): + 0.25 mm
+ 0.10 mm

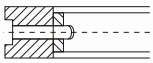
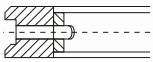
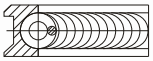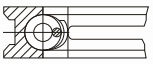
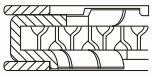
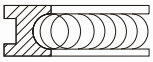
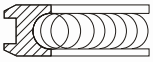
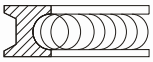
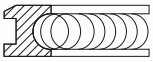
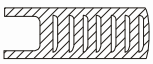
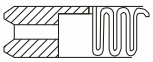
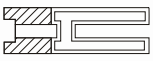
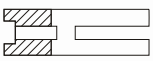
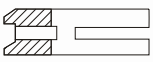
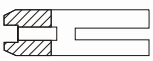
For collar recess depth (H_1): + 0 mm
- 0.15 mm

The coressponding nominal values for the above tolerances are same as the dimensions A, C and H given in this catalogue.

Kompresyon Segman Tipleri
Types for Compression Rings

	Dikdörtgen kesitli segman Rectangular ring
	Konik segman Taper faced ring
	Az konik segman Slightly tapered ring
	İçten faturalı segman Rectangular ring with expander
	Tek taraflı trapez segman Wedge type compression ring
	Çift taraflı trapez segman Keystone type compression ring
	Çift taraflı trapez konik segman Taper-faced keystone ring
	Tek taraflı trapez konik segman Taper-faced wedge type compression ring
	Burunlu sıyırıcı konik segman Tapered single hook scraper
	"L" şeklinde kompresyon segmanı "L" shaped ring
	Burunlu segman Napier ring
	Konik yüzeyli burunlu segman Taper faced napier ring
	Burunlu-pahlı segman (burun radiusu işlenmemiş) Bevel edged single hook scraper ring (Hook radius not given)

Yağ Kontrol Segman Tipleri
Types for Oil Control Rings

	Yaprak yaylı yarıklı yağ segmanı Slotted oil scraper ring with leaf spring
	Yaprak yaylı aynı yön pahlı yarıklı yağ segmanı Double-bevelled slotted oil scrapher ring with leaf spring
	Spiral yaylı çift pahlı yağ kontrol segmanı Double-bevelled oil control ring with coil spring
	Spiral yaylı köprücükler içten pahlı yağ segmanı Slotted oil scrapher with coil spring
	Çelik bantlı VF yaylı yağ kontrol segmanı Steel rail oil control ring with VF spring
	Spiral yaylı yağ segmanı Spiral expander ring, oil control ring
	Spiral yaylı ve eğimli yağ segmanı. Spiral expander ring, double bevelled, oil control ring.
	Spiral yaylı ve takma yönlü yağ segmanı Spiral expander ring, top bevelled, oil control ring.
	Spiral yaylı ve tek yöne eğimli yağ seğmanı Double-bevelled, with coil spring,
	Çok parçalı yağ segmanı Cup segment type double bevelled, oil control ring, two piece
	"U" Genleşme çelik yağ segmanı "U" Flex steel, oil control ring.
	Genleşme yaylı yağ segmanı. Formlex oil control ring.
	Genleşme yaylı yarıklı yağ segmanı. Flex oil expander type slotted,
	Yarıklı yağ segmanı. slotted oil control ring.
	Aynı yöne eğimli, yarıklı yağ segmanı. Double-bevelled slotted, oil control ring
	Çift pahlı yarıklı yağ segmanı. Bevelled-edge slottet, oil control ring.

Katalog Kullanma Talimatı
Instructions For Use The Catalogue



01	02	03
116 75, Alfetta Giullia Ti, r,Sprint,Sprint '85	**Motor 105,48** 1779 ccm, 84.5 kW,(115 PS), 9.1:1 **Vehicle**Alfa Romeo 1750, Sprint Berlina,Veloce GT, 1967-71 **Motor 105.35** 1779 ccm, 84.5-89 kW,(115-122 PS), 9.5:1 **Vehicle**Alfetta, Giulietta, Alfa 90 1972-88 **Motor 195.23** 1779 ccm, 88.5 kW,(120 PS), 9:1 Vehicle Alfa 75, 05, 1985	**Motor 116,33**A 195.17 1962 ccm,89-98 kW,(121-133 PS DIN), 9:1 **Vehicle**Alfa Romeo 2.0, Alfetta, Giullia, GTV 2.0, Alfa 75 2.0, 06.1971 **Motor 2.0 Ltr.** 1962 ccm, 82.5-94 kW,(112-128 PS SAE), 9:1 **Vehicle**Alfa Romeo 2.0 GTI, Alfetta, 05.1972-1985
Ø 78.00 mm. 74P01 33.7 +15.8 82.5	**Ø 80.00 mm.** 80P01 Cyl. 4 80.00 PSP 33.25 +13.35 80.10	**Ø 84.00 mm.** 78P01 Cyl. 4 84.00 PSP 32.75 + 14.75 81.00
	22.00 68.50	22.00 71.00
	1.50 Cr 1.75 4.00	1.50 Cr 1.75 4.50
	A = 85 C = 94 L = 156 H = 107.5	A = 89 C = 98 L = 152 H = 107.5
td.	P 350 105 Std. L 350 105 PR 350 105 K 350 105	P 350 110 Std. L 350 110 PR 350 110 K 350 110

A

ALFA ROMEO

A

Firma, motor tipi ve araç tipi
Company, type and technical data of engines and vehicles

B

Silindir adedi,çapı ve şekilleri, piston tipi kısaltma işaretleri, piston tipi sembolleri
Number and diameter of cylinder as well as piston shapes Compression heigth and total length of piston

C

Piston kompresyon yüksekliği ve piston tam boyu
Compression heigth and overall lenght

D

Silindir çapı ve taslak piston referansı
Cylinder diameter and raw piston reference

E

Pim çapı, boyu, sıkı geçen biyel (PKB)
Pin diameter and length,clamp connecting-rod-shrink connecting-rod=SKB

F

Segman adedi, tipi ve yüksekliği
Number, type and heighth of piston rings

G

Silindir şekli ve ölçüleri
Cylinder dimensions and cylinder shapes

H

Piston, silindir ve piston kitinin sipariş kod numaraları
Ordering code for piston, liner and liner assy.

Piston Tiplerinin Kısa İşaretlerinin Açıklanması
Cysmbol for Piston Types

DSP Daire saclı piston
Piston with ring strip

PSP Parçalı saçlı piston
Piston with segment strip

DP Dövme piston
Forged piston

CSY Çelik segman taşıyıcılı piston
Steel ring carrier piston

DDP Dökme demir piston
Cast iron piston

ESP Etekte yağ segmanlı piston
Piston with bottom ring
(ring below piston pin)

KYA Kompresyon yüksekliği azaltılmış standartlardan büyük ölçülü piston
Oversize piston with reduced compression height

AKK Krom kaplı alüminyum silindirde, krom kaplı segman kullanılmaz.
In alüminium cylinder chrome plated dont use chrome rings

DSA Dökme demir silindirli alüminyum silindir bloğu
Cast ›ron cylinder aluminated

TÇP Tepe çıkıntılı piston
Dome piston

DDG Dökme demir silindir gömleği
cast Iron cylinder liner

ASP Alüminyum silisyum alaşımlı silindir
Alusil cylinder (alüminium silicium alloy)

PAK Piston başı anodik kaplı piston
Piston with anodized piston head

ÖPP Özel pimli piston
Piston with styled piston pin

SKB Pim çapı ve boyu sıkı geçen biyel
Pin diameter and lenght (Clamp connecting-rod-shrink connecting-rod)

SKP Soğutma kanallı piston
Piston with cooling channel

PBP Pim deliği burçlu piston
Piston with piston pin bushing

KMP Konik iç maçalı piston

YPO Yağ püskürtme oyuğu
Oil jet cut-out

DSY Çift yuvada segman taşıyıcı
Double steel ring carrier

Piston Referans Listesi / Index

REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 740 100	95.00	AGROMAND	01	37
P 350 145	74.00	ALFA ROMEO	01	38
P 350 100	78.00	ALFA ROMEO	02	38
P 350 105	80.00	ALFA ROMEO	03	38
P 350 135	82.00	ALFA ROMEO	04	39
P 350 150	82.00	ALFA ROMEO	05	39
P 350 140	83.00	ALFA ROMEO	06	39
P 350 110	84.00	ALFA ROMEO	07	40
P 350 115	84.00	ALFA ROMEO	08	40
P 350 120	84.00	ALFA ROMEO	09	40
P 350 160	88.00	ALFA ROMEO	10	41
P 350 125	92.00	ALFA ROMEO	11	41
P 350 130	92.00	ALFA ROMEO	12	41
P 360 120	98.425	ALLIS CHALMERS	01	42
P 360 110	107.95	ALLIS CHALMERS	02	42
P 360 115	107.95	ALLIS CHALMERS	03	42
P 360 100	112.725	ALLIS CHALMERS	04	43
P 360 105	133.350	ALLIS CHALMERS	05	43
P 365 100	120.00	ANDORIA	01	44
P 370 100	107.95	ARMSTRONG	01	45
P 370 105	107.95	ARMSTRONG	02	45
P 355 155	69.51	AUDI	01	46
P 355 160	75.00	AUDI	02	46
P 355 100	76.51	AUDI	03	46
P 355 105	77.00	AUDI	04	47
P 355 110	79.51	AUDI	05	47
P 355 165	79.51	AUDI	06	47
P 355 170	79.51	AUDI	07	48
P 355 175	79.51	AUDI	08	48
P 355 185	79.51	AUDI	09	48
P 355 115	81.01	AUDI	10	49
P 355 120	81.01	AUDI	11	49
P 355 125	81.01	AUDI	12	49
P 355 140	81.01	AUDI	13	50
P 355 145	81.01	AUDI	14	50
P 355 150	81.01	AUDI	15	50
P 355 190	81.01	AUDI	16	51
P 355 130	81.01	AUDI	17	51
P 355 180	81.01	AUDI	18	51
P 355 195	82.50	AUDI	19	52
P 355 200	82.51	AUDI	20	52
P 355 205	82.51	AUDI	21	52
P 375 110	103.18	BEDFORD	01	53
P 375 100	103.18	BEDFORD	02	53
P 375 105	115.89	BEDFORD	03	53
P 375 115	115.89	BEDFORD	04	54
P 380 130	120.00	BERLIET/RVI	01	55
P 380 100	135.00	BERLIET/RVI	02	55
P 380 105	135.00	BERLIET/RVI	03	55
P 380 115	135.00	BERLIET/RVI	04	56
P 380 120	135.00	BERLIET/RVI	05	56
P 380 110	135.05	BERLIET/RVI	06	56
P 385 100	84.00	BMW	01	57
P 385 105	84.00	BMW	02	57
P 390 100	105.00	BUCH	01	58
P 390 105	105.00	BUCH	02	58
P 395 110	96.838	CASE	01	59
P 395 100	104.78	CASE	02	59
P 395 105	111.12	CASE	03	59
P 395 120	111.125	CASE	04	60
P 395 115	117.475	CASE	05	60
P 395 135	117.475	CASE	06	60
P 400 100	114.30	CATERPILLAR	01	61
P 400 105	114.30	CATERPILLAR	02	61
P 400 110	114.30	CATERPILLAR	03	61
P 400 115	114.30	CATERPILLAR	04	62
P 400 185	114.30	CATERPILLAR	05	62
P 400 140	120.65	CATERPILLAR	06	62
P 400 135	120.65	CATERPILLAR	07	63

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REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 400 125	120.65	CATERPILLAR	08	63
P 400 145	137.16	CATERPILLAR	09	63
P 400 150	137.16	CATERPILLAR	10	64
P 400 155	137.16	CATERPILLAR	11	64
P 400 160	137.16	CATERPILLAR	12	64
P 400 165	137.16	CATERPILLAR	13	65
P 400 170	137.16	CATERPILLAR	14	65
P 400 175	146.05	CATERPILLAR	15	65
P 400 180	146.05	CATERPILLAR	16	66
P 405 140	74.00	CITROEN	01	67
P 405 100	80.00	CITROEN	02	67
P 405 120	83.00	CITROEN	03	67
P 405 135	83.00	CITROEN	04	68
P 405 115	83.00	CITROEN	05	68
P 405 125	90.00	CITROEN	06	68
P 405 130	93.015	CITROEN	07	69
P 410 120	102.00	CUMMINS	01	70
P 410 125	102.00	CUMMINS	02	70
P 410 130	102.00	CUMMINS	03	70
P 410 135	102.00	CUMMINS	04	71
P 410 140	102.00	CUMMINS	05	71
P 410 145	102.00	CUMMINS	06	71
P 410 150	102.00	CUMMINS	07	72
P 410 155	102.00	CUMMINS	08	72
P 410 185	102.00	CUMMINS	09	72
P 410 190	102.00	CUMMINS	10	73
P 410 200	102.00	CUMMINS	11	73
P 410 210	102.00	CUMMINS	12	73
P 410 220	102.00	CUMMINS	13	74
P 410 230	102.00	CUMMINS	14	74
P 410 235	111.785	CUMMINS	15	74
P 410 240	111.785	CUMMINS	16	75
P 410 100	112.713	CUMMINS	17	75
P 410 160	114.00	CUMMINS	18	75
P 410 165	114.00	CUMMINS	19	76
P 410 170	114.00	CUMMINS	20	76
P 410 175	114.00	CUMMINS	21	76
P 410 180	114.00	CUMMINS	22	77
P 410 205	114.00	CUMMINS	23	77
P 410 215	114.00	CUMMINS	24	77
P 410 225	114.00	CUMMINS	25	78
P 410 245	114.00	CUMMINS	26	78
P 410 250	114.00	CUMMINS	27	78
P 410 105	130.175	CUMMINS	28	79
P 410 110	130.175	CUMMINS	29	79
P 410 115	139.70	CUMMINS	30	79
P 415 115	100.61	DAF	01	80
P 415 135	100.61	DAF	02	80
P 415 160	100.61	DAF	03	80
P 415 105	104.18	DAF	04	81
P 415 140	104.18	DAF	05	81
P 415 145	104.18	DAF	06	81
P 415 110	118.00	DAF	07	82
P 415 120	118.00	DAF	08	82
P 415 150	118.00	DAF	09	82
P 415 100	130.00	DAF	10	83
P 415 125	130.00	DAF	11	83
P 415 130	130.00	DAF	12	83
P 415 155	130.00	DAF	13	84
P 415 165	130.00	DAF	14	84
P 415 170	130.00	DAF	15	84
P 655 120	92.075	DAVID BROWN	01	85
P 655 125	92.075	DAVID BROWN	02	85
P 655 100	100.046	DAVID BROWN	03	85
P 655 105	100.046	DAVID BROWN	04	86
P 655 110	100.046	DAVID BROWN	05	86
P 655 115	100.046	DAVID BROWN	06	86
P 665 100	127.00	DORMEN	01	87
P 665 105	158.75	DORMEN	02	87
P 665 110	158.75	DORMEN	03	87
P 710 000	100.00	EICHER	01	88
P 825 100	95.00	FAHR	01	89

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REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 810 100	75.00	FED	01	90
P 660 105	95.00	FERRARI	01	91
P 420 515	52.00	FIAT	01	92
P 420 100	65.00	FIAT	02	92
P 420 550	67.40	FIAT	03	92
P 420 280	68.00	FIAT	04	93
P 420 415	68.00	FIAT	05	93
P 420 380	70.00	FIAT	06	93
P 420 455	70.80	FIAT	07	94
P 420 395	72.00	FIAT	08	94
P 420 465	72.00	FIAT	09	94
P 420 285	73.00	FIAT	10	95
P 420 545	73.50	FIAT	11	95
P 420 105	76.00	FIAT	12	95
P 420 110	76.00	FIAT	13	96
P 420 115	76.00	FIAT	14	96
P 420 275	76.00	FIAT	15	96
P 420 480	76.00	FIAT	16	97
P 420 365	76.05	FIAT	17	97
P 420 520	77.00	FIAT	18	97
P 420 555	77.00	FIAT	19	98
P 420 290	78.00	FIAT	20	98
P 420 295	78.00	FIAT	21	98
P 420 120	80.00	FIAT	22	99
P 420 300	80.00	FIAT	23	99
P 420 385	80.00	FIAT	24	99
P 420 560	80.00	FIAT	25	100
P 420 390	80.50	FIAT	26	100
P 420 405	82.60	FIAT	27	100
P 420 125	82.60	FIAT	28	101
P 420 420	82.60	FIAT	29	101
P 420 565	82.60	FIAT	30	101
P 420 130	83.00	FIAT	31	102
P 420 135	84.00	FIAT	32	102
P 420 140	84.00	FIAT	33	102
P 420 245	84.00	FIAT	34	103
P 420 270	84.00	FIAT	35	103
P 420 435	85.00	FIAT	36	103
P 420 145	86.00	FIAT	37	104
P 420 250	86.40	FIAT	38	104
P 420 255	86.40	FIAT	39	104
P 420 260	86.40	FIAT	40	105
P 420 310	86.40	FIAT	41	105
P 420 445	86.40	FIAT	42	105
P 420 460	86.40	FIAT	43	106
P 420 570	92.40	FIAT	44	106
P 420 150	93.00	FIAT	45	106
P 420 155	93.00	FIAT	46	107
P 420 160	93.00	FIAT	47	107
P 420 320	93.00	FIAT	48	107
P 420 355	93.00	FIAT	49	108
P 420 440	93.00	FIAT	50	108
P 420 495	93.00	FIAT	51	108
P 420 535	94.00	FIAT	52	109
P 420 540	94.00	FIAT	53	109
P 420 470	94.40	FIAT	54	109
P 420 475	94.40	FIAT	55	110
P 420 485	94.40	FIAT	56	110
P 420 165	95.00	FIAT	57	110
P 420 450	98.42	FIAT	58	111
P 420 170	100.00	FIAT	59	111
P 420 175	100.00	FIAT	60	111
P 420 180	100.00	FIAT	61	112
P 420 340	100.00	FIAT	62	112
P 420 400	100.00	FIAT	63	112
P 420 505	100.00	FIAT	64	113
P 420 585	100.00	FIAT	65	113
P 420 610	100.00	FIAT	66	113
P 420 605	100.00	FIAT	67	114
P 420 590	102.00	FIAT	68	114
P 420 185	103.00	FIAT	69	114
P 420 190	103.00	FIAT	70	115
P 420 500	103.00	FIAT	71	115
P 420 240	104.00	FIAT	72	115
P 420 305	104.00	FIAT	73	116
P 420 325	104.00	FIAT	74	116
P 420 350	104.00	FIAT	75	116

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REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 420 370	104.00	FIAT	76	117
P 420 525	104.00	FIAT	77	117
P 420 530	104.00	FIAT	78	117
P 420 575	104.00	FIAT	79	118
P 420 580	104.00	FIAT	80	118
P 420 595	104.00	FIAT	81	118
P 420 615	104.00	FIAT	82	119
P 420 195	108.00	FIAT	83	119
P 420 200	110.00	FIAT	84	119
P 420 205	110.00	FIAT	85	120
P 420 210	110.00	FIAT	86	120
P 420 335	110.00	FIAT	87	120
P 420 215	115.00	FIAT	88	121
P 420 220	115.00	FIAT	89	121
P 420 315	115.00	FIAT	90	121
P 420 330	115.00	FIAT	91	122
P 420 345	115.00	FIAT	92	122
P 420 360	115.00	FIAT	93	122
P 420 375	115.00	FIAT	94	123
P 420 225	122.00	FIAT	95	123
P 420 230	125.00	FIAT	96	123
P 420 410	125.00	FIAT	97	124
P 420 265	135.00	FIAT	98	124
P 420 235	137.00	FIAT	99	124
P 420 510	137.00	FIAT	100	125
P 425 275	74.00	FORD	01	126
P 425 180	80.00	FORD	02	126
P 425 280	81.335	FORD	03	126
P 425 315	82.51	FORD	04	127
P 425 175	82.51	FORD	05	127
P 425 310	88.90	FORD	06	127
P 425 100	90.00	FORD	07	128
P 425 170	93.67	FORD	08	128
P 425 285	93.67	FORD	09	128
P 425 105	94.00	FORD	10	129
P 425 110	94.00	FORD	11	129
P 425 115	100.00	FORD	12	129
P 425 185	100.00	FORD	13	130
P 425 215	100.00	FORD	14	130
P 425 210	104.77	FORD	15	130
P 425 230	104.77	FORD	16	131
P 425 120	104.775	FORD	17	131
P 425 125	106.68	FORD	18	131
P 425 205	106.68	FORD	19	132
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P 425 295	111.76	FORD	38	138
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P 428 100	82.00	GOLDONI	01	139
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P 430 135	90.00	HANOMAG	02	141
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P 435 120	90.00	HATZ	05	145
P 435 130	90.00	HATZ	06	145
P 435 125	108.00	HATZ	07	146
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P 815 100	68.50	HONDA	01	148
P 690 105	75.50	HYUNDAI	01	149
P 690 100	100.00	HYUNDAI	02	149
P 690 110	100.00	HYUNDAI	03	149
P 690 115	100.00	HYUNDAI	04	150
P 440 230	79.375	IHC	01	151
P 440 205	85.00	IHC	02	151
P 440 185	85.725	IHC	03	151
P 440 210	87.00	IHC	04	152
P 440 235	87.31	IHC	05	152
P 440 100	88.90	IHC	06	152
P 440 225	90.48	IHC	07	153
P 440 240	98.425	IHC	08	153
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P 440 115	98.425	IHC	11	154
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P 440 195	100.00	IHC	25	159
P 440 215	100.00	IHC	26	159
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P 440 175	109.23	IHC	28	160
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P 445 105	86.00	ISUZU	02	161
P 445 125	93.00	ISUZU	03	161
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P 455 255	102.00	JOHN DEERE	08	167
P 455 115	106.50	JOHN DEERE	09	167
P 455 120	106.50	JOHN DEERE	10	168
P 455 125	106.50	JOHN DEERE	11	168
P 455 130	106.50	JOHN DEERE	12	168
P 455 155	106.50	JOHN DEERE	13	169
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P 455 245	106.50	JOHN DEERE	21	171
P 455 265	106.50	JOHN DEERE	22	172
P 455 250	106.50	JOHN DEERE	23	172
P 455 270	106.50	JOHN DEERE	24	172
P 455 165	107.95	JOHN DEERE	25	173
P 455 230	107.95	JOHN DEERE	26	173
P 455 235	107.95	JOHN DEERE	27	173
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P 455 150	108.00	JOHN DEERE	30	174
P 455 220	109.73	JOHN DEERE	31	175
P 455 175	115.90	JOHN DEERE	32	175
P 455 260	115.90	JOHN DEERE	33	175
P 460 125	120.00	KAMAS	01	176
P 460 130	120.00	KAMAS	02	176
P 465 230	91.00	KHD	01	177
P 465 235	91.00	KHD	02	177
P 465 100	95.00	KHD	03	177
P 465 105	95.00	KHD	04	178
P 465 110	95.00	KHD	05	178
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P 465 165	125.00	KHD	33	187
P 465 180	125.00	KHD	34	188
P 465 260	125.00	KHD	35	188
P 465 265	125.00	KHD	36	188
P 465 255	132.00	KHD	37	189
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P 470 100	105.00	KOMATSU	02	190
P 470 125	105.00	KOMATSU	03	190
P 470 130	110.00	KOMATSU	04	191
P 470 135	110.00	KOMATSU	05	191
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P 472 105	85.00	KOMSAN/GRASSO	02	193
P 472 115	185.00	KOMSAN/GRASSO	03	193
P 472 120	220.00	KOMSAN/GRASSO	04	194
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P 482 115	79.00	LADA	03	199
P 482 120	79.00	LADA	04	200
P 482 125	79.00	LADA	05	200
P 480 130	78.01	LANCIA	01	201
P 480 100	82.60	LANCIA	02	201
P 480 105	84.00	LANCIA	03	201
P 480 110	84.00	LANCIA	04	202
P 480 115	86.40	LANCIA	05	202
P 480 120	86.40	LANCIA	06	202
P 480 125	86.40	LANCIA	07	203
P 475 120	75.00	LAND ROVER	01	204
P 475 115	90.475	LAND ROVER	02	204
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P 475 110	90.487	LAND ROVER	05	205
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P 485 145	127.00	LEYLAND	13	210
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P 495 105	76.20	LISTER	02	212
P 495 110	80.963	LISTER	03	212
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P 495 115	88.90	LISTER	05	213
P 495 120	95.25	LISTER	06	213
P 495 165	98.425	LISTER	07	214
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P 495 130	108.00	LISTER	10	215
P 495 145	108.00	LISTER	11	215
P 495 135	114.30	LISTER	12	215
P 495 150	114.30	LISTER	13	216
P 502 115	100.00	LOKOMO	01	217
P 502 100	107.95	LOKOMO	02	217
P 502 105	107.95	LOKOMO	03	217
P 502 110	107.95	LOKOMO	04	218
P 502 120	107.95	LOKOMO	05	218
P 502 125	107.95	LOKOMO	06	218
P 500 325	66.50	LOMBARDINI	01	219
P 500 175	72.00	LOMBARDINI	02	219
P 500 415	72.00	LOMBARDINI	03	219
P 500 290	75.00	LOMBARDINI	04	220
P 500 100	76.00	LOMBARDINI	05	220
P 500 170	78.00	LOMBARDINI	06	220
P 500 450	78.00	LOMBARDINI	07	221
P 500 205	80.00	LOMBARDINI	08	221
P 500 210	80.00	LOMBARDINI	09	221
P 500 235	80.00	LOMBARDINI	10	222
P 500 360	80.00	LOMBARDINI	11	222
P 500 440	80.00	LOMBARDINI	12	222
P 500 130	82.00	LOMBARDINI	13	223
P 500 145	82.00	LOMBARDINI	14	223
P 500 245	82.00	LOMBARDINI	15	223
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P 500 140	86.00	LOMBARDINI	22	226
P 500 220	86.00	LOMBARDINI	23	226
P 500 370	88.00	LOMBARDINI	24	226
P 500 380	88.00	LOMBARDINI	25	227
P 500 410	88.00	LOMBARDINI	26	227
P 500 215	90.00	LOMBARDINI	27	227
P 500 355	90.00	LOMBARDINI	28	228
P 500 365	90.00	LOMBARDINI	29	228
P 500 375	92.00	LOMBARDINI	30	228
P 500 430	92.00	LOMBARDINI	31	229
P 500 115	95.00	LOMBARDINI	32	229
P 500 160	95.00	LOMBARDINI	33	229
P 500 165	95.00	LOMBARDINI	34	230
P 500 180	95.00	LOMBARDINI	35	230
P 500 190	95.00	LOMBARDINI	36	230
P 500 230	95.00	LOMBARDINI	37	231
P 500 240	95.00	LOMBARDINI	38	231
P 500 335	95.00	LOMBARDINI	39	231
P 500 400	95.00	LOMBARDINI	40	232
P 500 150	96.00	LOMBARDINI	41	232
P 500 315	98.00	LOMBARDINI	42	232
P 500 120	100.00	LOMBARDINI	43	233
P 500 155	100.00	LOMBARDINI	44	233
P 500 185	100.00	LOMBARDINI	45	233
P 500 200	100.00	LOMBARDINI	46	234
P 500 250	100.00	LOMBARDINI	47	234
P 500 395	100.00	LOMBARDINI	48	234
P 500 405	100.00	LOMBARDINI	49	235
P 500 435	100.00	LOMBARDINI	50	235
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P 500 195	105.00	LOMBARDINI	53	236
P 500 225	105.00	LOMBARDINI	54	236
P 500 255	105.00	LOMBARDINI	55	237
P 500 260	105.00	LOMBARDINI	56	237
P 500 390	105.00	LOMBARDIN	57	237
P 500 280	106.00	LOMBARDINI	58	238
P 500 310	130.00	LOMBARDINI	59	238
P 500 320	130.00	LOMBARDINI	60	238
P 500 330	130.00	LOMBARDINI	61	239
P 500 420	130.00	LOMBARDINI	62	239
P 501 105	90.00	LUPAMAT	01	240
P 501 115	90.00	LUPAMAT	02	240
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P 505 100	98.00	MAN	01	242
P 505 105	100.00	MAN	02	242
P 505 110	108.00	MAN	03	242
P 505 165	108.00	MAN	04	243
P 505 220	108.00	MAN	05	243
P 505 115	121.00	MAN	06	243
P 505 120	121.00	MAN	07	244
P 505 125	121.00	MAN	08	244
P 505 130	121.00	MAN	09	244
P 505 135	123.00	MAN	10	245
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P 505 155	125.00	MAN	12	245
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P 505 205	128.00	MAN	23	249
P 505 210	128.00	MAN	24	249
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P 510 335	86.50	MERCEDES-BENZ	03	253
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P 510 105	87.00	MERCEDES-BENZ	05	254
P 510 110	87.00	MERCEDES-BENZ	06	254
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P 510 125	87.00	MERCEDES-BENZ	09	255
P 510 450	88.009	MERCEDES-BENZ	10	256
P 510 130	88.50	MERCEDES-BENZ	11	256
P 510 135	89.00	MERCEDES-BENZ	12	256
P 510 270	89.00	MERCEDES-BENZ	13	257
P 510 440	89.90	MERCEDES-BENZ	14	257
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P 510 145	90.00	MERCEDES-BENZ	18	258
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P 510 155	90.90	MERCEDES-BENZ	20	259
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P 510 285	90.90	MERCEDES-BENZ	22	260
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P 510 165	93.75	MERCEDES-BENZ	25	261
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P 510 175	95.50	MERCEDES-BENZ	27	261
P 510 265	95.50	MERCEDES-BENZ	28	262
P 510 180	97.00	MERCEDES-BENZ	29	262
P 510 185	97.00	MERCEDES-BENZ	30	262
P 510 190	97.00	MERCEDES-BENZ	31	263
P 510 195	97.00	MERCEDES-BENZ	32	263
P 510 200	97.00	MERCEDES-BENZ	33	263
P 510 350	97.00	MERCEDES-BENZ	34	264
P 510 205	97.50	MERCEDES-BENZ	35	264
P 510 210	97.50	MERCEDES-BENZ	36	264
P 510 365	97.50	MERCEDES-BENZ	37	265
P 510 385	97.50	MERCEDES-BENZ	38	265
P 510 400	97.50	MERCEDES-BENZ	39	265
P 510 215	115.00	MERCEDES-BENZ	40	266
P 510 220	115.00	MERCEDES-BENZ	41	266
P 510 225	125.00	MERCEDES-BENZ	42	266
P 510 300	125.00	MERCEDES-BENZ	43	267
P 510 305	125.00	MERCEDES-BENZ	44	267
P 510 310	125.00	MERCEDES-BENZ	45	267
P 510 325	125.00	MERCEDES-BENZ	46	268
P 510 330	125.00	MERCEDES-BENZ	47	268
P 510 230	128.00	MERCEDES-BENZ	48	268
P 510 235	128.00	MERCEDES-BENZ	49	269
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P 510 250	128.00	MERCEDES-BENZ	52	270
P 510 255	128.00	MERCEDES-BENZ	53	270
P 510 260	128.00	MERCEDES-BENZ	54	270
P 510 315	128.00	MERCEDES-BENZ	55	271
P 510 355	128.00	MERCEDES-BENZ	56	271
P 510 360	128.00	MERCEDES-BENZ	57	271
P 510 380	128.00	MERCEDES-BENZ	58	272
P 510 390	128.00	MERCEDES-BENZ	59	272
P 510 395	128.00	MERCEDES-BENZ	60	272
P 510 405	128.00	MERCEDES-BENZ	61	273
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P 510 415	128.00	MERCEDES-BENZ	63	273
P 510 435	128.00	MERCEDES-BENZ	64	274
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P 510 420	130.00	MERCEDES-BENZ	66	274
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P 525 105	95.00	MWM	02	278
P 525 150	95.00	MWM	03	278
P 525 140	100.00	MWM	04	279
P 525 145	100.00	MWM	05	279
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P 530 105	108.00	NISSAN	04	284
P 530 106	108.00	NISSAN	05	284
P 530 150	133.00	NISSAN	06	284
P 535 190	73.40	OPEL	01	285
P 535 135	75.00	OPEL	02	285
P 535 180	75.00	OPEL	03	285
P 535 130	80.00	OPEL	04	286
P 535 160	80.00	OPEL	05	286
P 535 100	80.00	OPEL	06	286
P 535 170	82.50	OPEL	07	287
P 535 105	82.50	OPEL	08	287
P 535 140	84.80	OPEL	09	287
P 535 145	84.80	OPEL	10	288
P 535 150	84.80	OPEL	11	288
P 535 155	84.80	OPEL	12	288
P 535 195	84.80	OPEL	13	289
P 535 200	86.00	OPEL	14	289
P 535 110	86.50	OPEL	15	289
P 535 115	92.00	OPEL	16	290
P 535 125	95.00	OPEL	17	290
P 535 165	95.00	OPEL	18	290
P 535 120	103.18	OPEL	19	291
P 540 100	79.37	PERKINS	01	292
P 540 220	79.37	PERKINS	02	292
P 540 255	79.37	PERKINS	03	292
P 540 260	79.37	PERKINS	04	293
P 540 320	79.37	PERKINS	05	293
P 540 410	80.00	PERKINS	06	293
P 540 380	84.00	PERKINS	07	294
P 540 105	84.45	PERKINS	08	294
P 540 490	87.725	PERKINS	09	294
P 540 110	88.925	PERKINS	10	295
P 540 210	88.925	PERKINS	11	295
P 540 115	91.48	PERKINS	12	295
P 540 120	91.48	PERKINS	13	296
P 540 180	91.48	PERKINS	14	296
P 540 185	91.48	PERKINS	15	296
P 540 215	91.48	PERKINS	16	297
P 540 275	91.48	PERKINS	17	297
P 540 290	91.48	PERKINS	18	297
P 540 300	91.48	PERKINS	19	298
P 540 305	91.48	PERKINS	20	298
P 540 330	91.48	PERKINS	21	298
P 540 335	91.48	PERKINS	22	299
P 540 400	91.48	PERKINS	23	299
P 540 125	98.48	PERKINS	24	299
P 540 130	98.48	PERKINS	25	300
P 540 135	98.48	PERKINS	26	300
P 540 140	98.48	PERKINS	27	300
P 540 150	98.48	PERKINS	28	301
P 540 160	98.48	PERKINS	29	301
P 540 205	98.48	PERKINS	30	301
P 540 225	98.48	PERKINS	31	302
P 540 245	98.48	PERKINS	32	302
P 540 265	98.48	PERKINS	33	302
P 540 270	98.48	PERKINS	34	303
P 540 295	98.48	PERKINS	35	303

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P 540 310	98.48	PERKINS	36	303
P 540 325	98.48	PERKINS	37	304
P 540 395	98.48	PERKINS	38	304
P 540 420	98.48	PERKINS	39	304
P 540 430	98.48	PERKINS	40	305
P 540 450	98.48	PERKINS	41	305
P 540 460	98.48	PERKINS	42	305
P 540 190	100.00	PERKINS	43	306
P 540 195	100.00	PERKINS	44	306
P 540 196	100.00	PERKINS	45	306
P 540 230	100.00	PERKINS	46	307
P 540 240	100.00	PERKINS	47	307
P 540 250	100.00	PERKINS	48	307
P 540 385	100.00	PERKINS	49	308
P 540 435	100.00	PERKINS	50	308
P 540 445	100.00	PERKINS	51	308
P 540 465	100.00	PERKINS	52	309
P 540 165	101.054	PERKINS	53	309
P 540 170	101.054	PERKINS	54	309
P 540 175	101.054	PERKINS	55	310
P 540 235	101.054	PERKINS	56	310
P 540 280	101.054	PERKINS	57	310
P 540 340	101.054	PERKINS	58	311
P 540 345	101.054	PERKINS	59	311
P 540 425	101.054	PERKINS	60	311
P 540 455	101.054	PERKINS	61	312
P 540 470	101.054	PERKINS	62	312
P 540 370	103.00	PERKINS	63	312
P 540 405	105.00	PERKINS	64	313
P 540 415	105.00	PERKINS	65	313
P 540 285	107.95	PERKINS	66	313
P 540 440	107.95	PERKINS	67	314
P 540 200	114.30	PERKINS	68	314
P 540 360	130.00	PERKINS	69	314
P 540 365	130.00	PERKINS	70	315
P 540 390	130.017	PERKINS	71	315
P 540 355	135.00	PERKINS	72	315
P 545 115	76.20	PETTER	01	316
P 545 100	80.00	PETTER	02	316
P 545 105	87.31	PETTER	03	316
P 545 110	96.96	PETTER	04	317
P 550 100	70.00	PEUGEOT	01	318
P 550 105	72.00	PEUGEOT	02	318
P 550 110	72.00	PEUGEOT	03	318
P 550 225	75.00	PEUGEOT	04	319
P 550 265	75.00	PEUGEOT	05	319
P 550 115	78.00	PEUGEOT	06	319
P 550 120	78.00	PEUGEOT	07	320
P 550 230	78.00	PEUGEOT	08	320
P 550 125	80.00	PEUGEOT	09	320
P 550 130	80.00	PEUGEOT	10	321
P 550 135	83.00	PEUGEOT	11	321
P 550 140	83.00	PEUGEOT	12	321
P 550 145	83.00	PEUGEOT	13	322
P 550 150	83.00	PEUGEOT	14	322
P 550 255	83.00	PEUGEOT	15	322
P 550 270	83.00	PEUGEOT	16	323
P 550 275	83.00	PEUGEOT	17	323
P 550 155	84.00	PEUGEOT	18	323
P 550 160	84.00	PEUGEOT	19	324
P 550 165	84.00	PEUGEOT	20	324
P 550 170	84.00	PEUGEOT	21	324
P 550 245	84.00	PEUGEOT	22	325
P 550 250	84.00	PEUGEOT	23	325
P 550 260	84.00	PEUGEOT	24	325
P 550 285	86.00	PEUGEOT	25	326
P 550 175	88.00	PEUGEOT	26	326
P 550 180	88.00	PEUGEOT	27	326
P 550 235	88.00	PEUGEOT	28	327
P 550 185	88.00	PEUGEOT	29	327
P 550 190	88.00	PEUGEOT	30	327
P 550 240	88.00	PEUGEOT	31	328
P 550 280	88.00	PEUGEOT	32	328
P 550 195	90.00	PEUGEOT	33	328
P 550 290	92.00	PEUGEOT	34	329
P 550 200	93.00	PEUGEOT	35	329
P 550 205	94.00	PEUGEOT	36	329

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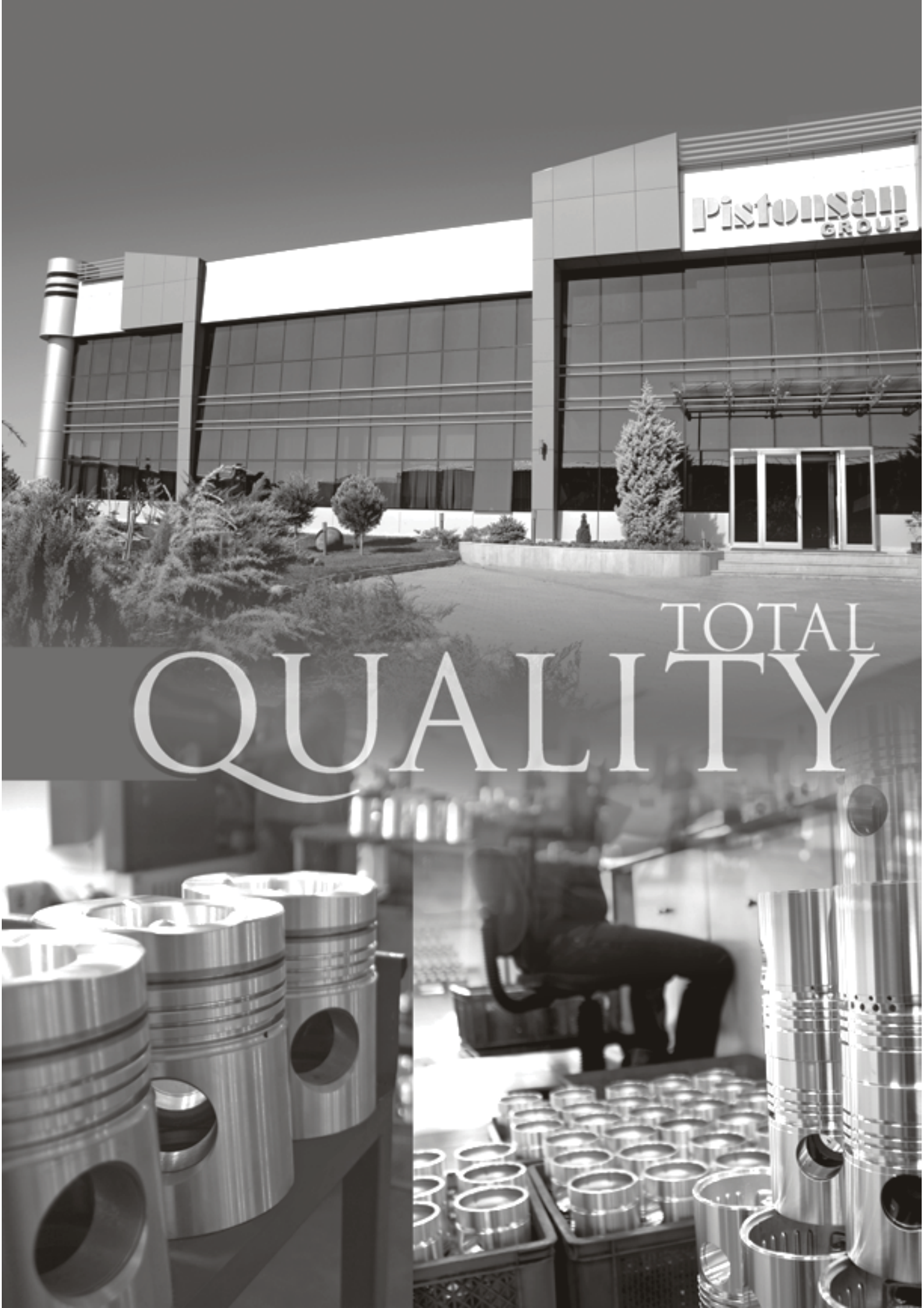
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P 550 210	94.00	PEUGEOT	37	330
P 550 215	94.00	PEUGEOT	38	330
P 550 220	94.00	PEUGEOT	39	330
P 552 100	77.00	POLSKI	01	331
P 555 100	121.00	RABA	01	332
P 555 105	121.00	RABA	02	332
P 555 110	121.00	RABA	03	332
P 555 115	123.00	RABA	04	333
P 560 100	58.00	RENAULT	01	334
P 560 105	58.00	RENAULT	02	334
P 560 110	65.00	RENAULT	03	334
P 560 115	70.00	RENAULT	04	335
P 560 120	71.50	RENAULT	05	335
P 560 125	73.00	RENAULT	06	335
P 560 175	73.00	RENAULT	07	336
P 560 180	75.80	RENAULT	08	336
P 560 130	76.00	RENAULT	09	336
P 560 135	76.00	RENAULT	10	337
P 560 140	78.00	RENAULT	11	337
P 560 145	78.00	RENAULT	12	337
P 560 150	79.00	RENAULT	13	338
P 560 170	80.00	RENAULT	14	338
P 560 165	81.00	RENAULT	15	338
P 560 155	86.00	RENAULT	16	339
P 560 160	86.00	RENAULT	17	339
P 565 100	140.00	ROMANIA	01	340
P 570 100	120.00	RUSSIAN T-62 DEUTZ	01	341
P 570 105	120.00	RUSSIAN T-62 DEUTZ	02	341
P 675 115	78.00	RUGGERINI	01	342
P 675 110	92.00	RUGGERINI	02	342
P 575 100	98.00	SAME	01	343
P 575 120	98.00	SAME	02	343
P 575 105	105.00	SAME	03	343
P 575 115	105.00	SAME	04	344
P 575 125	105.00	SAME	05	344
P 575 130	105.00	SAME	06	344
P 575 135	105.00	SAME	07	345
P 580 135	95.00	SAVIEM	01	346
P 580 100	98.00	SAVIEM	02	346
P 580 130	100.00	SAVIEM	03	346
P 580 105	102.00	SAVIEM	04	347
P 580 110	102.00	SAVIEM	05	347
P 580 115	102.00	SAVIEM	06	347
P 580 120	102.00	SAVIEM	07	348
P 580 125	102.00	SAVIEM	08	348
P 585 100	115.00	SCANIA	01	349
P 585 105	115.00	SCANIA	02	349
P 585 110	115.00	SCANIA	03	349
P 585 115	115.00	SCANIA	04	350
P 585 120	115.00	SCANIA	05	350
P 585 125	115.00	SCANIA	06	350
P 585 180	115.00	SCANIA	07	351
P 585 195	115.00	SCANIA	08	351
P 585 255	115.00	SCANIA	09	351
P 585 135	127.00	SCANIA	10	352
P 585 140	127.00	SCANIA	11	352
P 585 145	127.00	SCANIA	12	352
P 585 150	127.00	SCANIA	13	353
P 585 155	127.00	SCANIA	14	353
P 585 160	127.00	SCANIA	15	353
P 585 165	127.00	SCANIA	16	354
P 585 170	127.00	SCANIA	17	354
P 585 175	127.00	SCANIA	18	354
P 585 185	127.00	SCANIA	19	355
P 585 190	127.00	SCANIA	20	355
P 585 200	127.00	SCANIA	21	355
P 585 215	127.00	SCANIA	22	356
P 585 220	127.00	SCANIA	23	356
P 585 225	127.00	SCANIA	24	356
P 585 230	127.00	SCANIA	25	357

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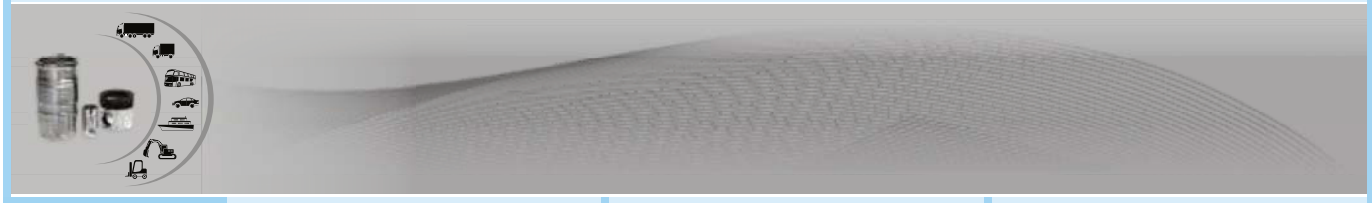
REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 585 235	127.00	SCANIA	26	357
P 585 240	127.00	SCANIA	27	357
P 585 245	127.00	SCANIA	28	358
P 585 250	127.00	SCANIA	29	358
P 585 260	127.00	SCANIA	30	358
P 585 265	127.00	SCANIA	31	359
P 585 270	127.00	SCANIA	32	359
P 585 275	127.00	SCANIA	33	359
P 585 280	127.00	SCANIA	34	360
P 585 285	127.00	SCANIA	35	360
P 585 290	127.00	SCANIA	36	360
P 585 295	127.00	SCANIA	37	361
P 585 300	127.00	SCANIA	38	361
P 590 100	65.00	SEAT	01	362
P 590 105	65.00	SEAT	02	362
P 750 100	84.00	SHIBAURA	01	363
P 800 100	63.50	SMART	01	364
P 800 105	65.50	SMART	02	364
P 595 130	92.00	STEYR	01	365
P 595 100	100.00	STEYR	02	365
P 595 105	100.00	STEYR	03	365
P 595 110	100.00	STEYR	04	366
P 595 125	100.00	STEYR	05	366
P 595 115	105.00	STEYR	06	366
P 595 120	105.00	STEYR	07	367
P 595 135	110 00	STEYR	08	367
P 600 100	65.00	SUZUKI	01	368
P 600 105	68.50	SUZUKI	02	368
P 605 100	120.00	TATRA	01	369
P 605 105	120.00	TATRA	02	369
P 605 110	120.00	TATRA	03	369
P 607 100	72.00	TAVRIA	01	370
P 610 100	72.00	TOYOTA	01	371
P 610 105	75.00	TOYOTA	02	371
P 610 110	80.50	TOYOTA	03	371
P 610 115	88.00	TOYOTA	04	372
P 610 120	102.00	TOYOTA	05	372
P 615 100	95.00	UTB	01	373
P 615 110	102.00	UTB	02	373
P 615 105	108.00	UTB	03	373
P 635 175	75.01	VOLKSWAGEN	01	374
P 635 100	76.51	VOLKSWAGEN	02	374
P 635 110	76.51	VOLKSWAGEN	03	374
P 635 120	76.51	VOLKSWAGEN	04	375
P 635 125	76.51	VOLKSWAGEN	05	375
P 635 180	76.51	VOLKSWAGEN	06	375
P 635 185	76.51	VOLKSWAGEN	07	376
P 635 105	77.01	VOLKSWAGEN	08	376
P 635 115	77.01	VOLKSWAGEN	09	376
P 635 130	79.51	VOLKSWAGEN	10	377
P 635 160	79.51	VOLKSWAGEN	11	377
P 635 165	79.51	VOLKSWAGEN	12	377
P 635 170	79.51	VOLKSWAGEN	13	378
P 635 135	81.01	VOLKSWAGEN	14	378
P 635 140	81.01	VOLKSWAGEN	15	378
P 635 150	81.01	VOLKSWAGEN	16	379
P 635 155	81.01	VOLKSWAGEN	17	379
P 635 190	81.01	VOLKSWAGEN	18	379
P 635 195	81.01	VOLKSWAGEN	19	380
P 635 200	82.51	VOLKSWAGEN	20	380
P 620 100	76.51	VOLVO	01	381
P 620 310	92.00	VOLVO	02	381
P 620 105	95.25	VOLVO	03	381
P 620 110	95.25	VOLVO	04	382
P 620 115	96.01	VOLVO	05	382
P 620 120	96.01	VOLVO	06	382
P 620 125	98.43	VOLVO	07	383
P 620 130	98.43	VOLVO	08	383

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REFERANS *REFERANCE*	Ø ÇAP (mm) *DIAMETERS*	PİSTON ADI *PISTON NAME*	SIRA NO *ROW NUMBER*	SAYFA NO *PAGE NUMBER*
P 620 135	98.43	VOLVO	09	383
P 620 260	104.77	VOLVO	10	384
P 620 275	104.77	VOLVO	11	384
P 620 140	104.775	VOLVO	12	384
P 620 145	104.775	VOLVO	13	385
P 620 150	104.775	VOLVO	14	385
P 620 195	104.775	VOLVO	15	385
P 620 225	104.775	VOLVO	16	386
P 620 285	104.775	VOLVO	17	386
P 620 290	104.775	VOLVO	18	386
P 620 300	120.00	VOLVO	19	387
P 620 155	120.65	VOLVO	20	387
P 620 200	120.65	VOLVO	21	387
P 620 205	120.65	VOLVO	22	388
P 620 210	120.65	VOLVO	23	388
P 620 215	120.65	VOLVO	24	388
P 620 220	120.65	VOLVO	25	389
P 620 265	120.65	VOLVO	26	389
P 620 280	130.17	VOLVO	27	389
P 620 160	130.175	VOLVO	28	390
P 620 165	130.175	VOLVO	29	390
P 620 170	130.175	VOLVO	30	390
P 620 175	130.175	VOLVO	31	391
P 620 180	130.175	VOLVO	32	391
P 620 185	130.175	VOLVO	33	391
P 620 230	130.175	VOLVO	34	392
P 620 235	130.175	VOLVO	35	392
P 620 240	130.175	VOLVO	36	392
P 620 245	130.175	VOLVO	37	393
P 620 250	130.175	VOLVO	38	393
P 620 255	130.175	VOLVO	39	393
P 630 100	105.57	VOLVO/BM	01	394
P 630 105	105.57	VOLVO/BM	02	394
P 630 115	105.57	VOLVO/BM	03	394
P 630 120	105.57	VOLVO/BM	04	395
P 630 125	105.57	VOLVO/BM	05	395
P 630 135	105.57	VOLVO/BM	06	395
P 630 140	105.57	VOLVO/BM	07	396
P 630 150	105.57	VOLVO/BM	08	396
P 630 155	105.57	VOLVO/BM	09	396
P 630 160	105.57	VOLVO/BM	10	397
P 630 110	111.125	VOLVO/BM	11	397
P 630 145	111.125	VOLVO/BM	12	397
P 835 100	92.075	WAUKESHA	01	398
P 640 135	54.00	WESTINGHOUSE	01	399
P 640 100	60.00	WESTINGHOUSE	02	399
P 640 105	75.00	WESTINGHOUSE	03	399
P 640 110	75.00	WESTINGHOUSE	04	400
P 640 115	75.00	WESTINGHOUSE	05	400
P 640 130	75.00	WESTINGHOUSE	06	400
P 640 120	90.00	WESTINGHOUSE	07	401
P 640 125	90.00	WESTINGHOUSE	08	401
P 670 100	82.50	WISCONSIN	01	402
P 645 100	120.00	ZET	01	403
P 645 105	120.00	ZET	02	403
P 650 100	95.00	ZETOR	01	404
P 650 120	95.00	ZETOR	02	404
P 650 105	100.00	ZETOR	03	404
P 650 110	102.00	ZETOR	04	405
P 650 125	102.00	ZETOR	05	405
P 650 115	110.00	ZETOR	06	405

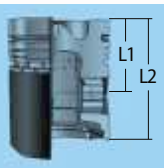


TOTAL QUALITY



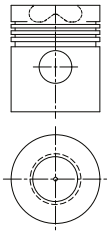
01





Ø 95.00 mm.
95P01

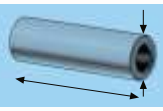
Cyl	
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	114.00





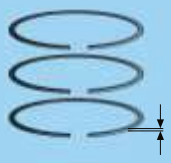


Combustion Bowl 48.00

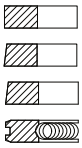


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77.30





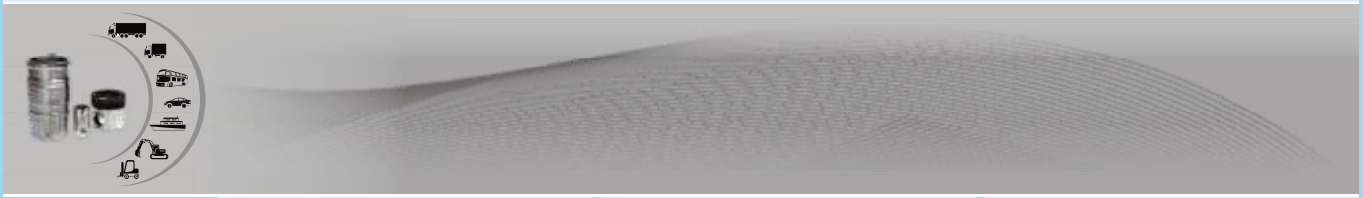
3.00
3.00
3.00
5.50



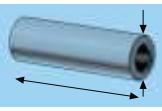
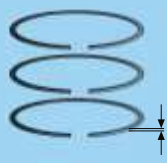


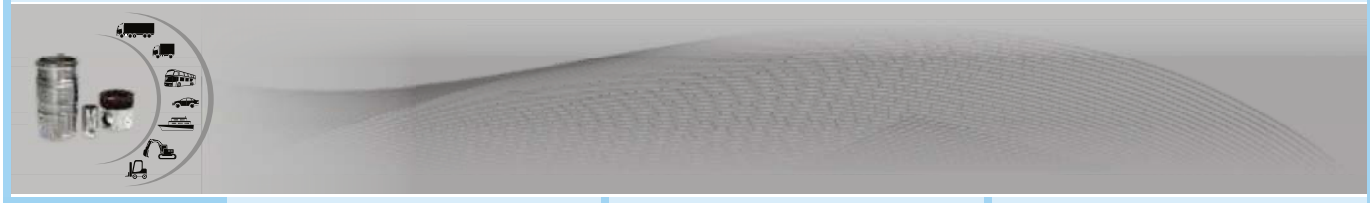


P 740 100 Std.
PR 740 100





	01	02	03
	Motor 1290 ccm **Vehicle** Giulia 1.3 GT, Junior 1968 - 1977	**Motor 105,116** 1570 ccm, **Vehicle** Alfa 75, Alfetta Giullia Ti, 1600 Spider,Sprint,Sprint GT,1975-1985	**Motor 105,48** 1779 ccm, 84.5 kW,(115 PS), 9.1:1 **Vehicle** Alfa Romeo 1750, Sprint Berlina,Veloce GT, 1967-71 **Motor 105.35** 1779 ccm, 84.5-89 kW,(115-122 PS), 9.5:1 **Vehicle** Alfetta, Giulietta, Alfa 90 1972-88 **Motor 195.23** 1779 ccm, 88.5 kW,(120 PS), 9:1 Vehicle Alfa 75, 05, 1985
	**Ø74.00 mm.** 74P01 Cyl 32.16 4 +14.00 79.16 PSP TÇP	**Ø 78.00 mm.** 78P01 Cyl. 33.7 4 +15.8 82.5 TÇP PSP	**Ø 80.00 mm.** 80P01 Cyl. 33.25 4 +13.35 80.10 PSP TÇP
	20.00 64.00	22.00 67.50	22.00 68.50
	1.50 1.75 4.00	1.50 Cr 1.75 4.00	1.50 Cr 1.75 4.00
		A = 84 C = 94 L = 150 H = 95.5	A = 85 C = 94 L = 156 H = 107.5
	P 350 145 Std. PR 350 145	P 350 100 Std. L 350 100 P R350 100 K 350 100	P 350 105 Std. L 350 105 PR 350 105 K 350 105



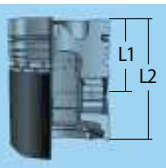


Motor 676.01-M654DA 15T **04**
1598 ccm,
182B 7.000 - M654DA 15T EURO2
113 kW , 154PS

Vehicle

Motor AR 676.01 - M654 BA 15.T **05**
1598 ccm, 88 kW , (120 PS), 10.3:1
Vehicle 145-146-156
1994-1995-1997

Motor M647 CA 19.T **06**
1970 ccm, 110-114 kW , (150-155 PS), 10:1
Vehicle 145, 146, 155, 156, 166
GTV, Spider 2000

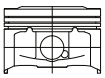






Ø82.00 mm.
82P01

Cyl	34.70
4/5	+1.80
	-1.40
	-4.00
	56.70



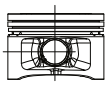
TÇP
KMP



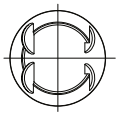
Combustion Bowl 59.0

Ø82.00 mm.
82P02

Cyl	32.90
4	+1.80
	-4.08
	-1.41
	58.70

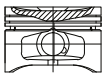


PSP
TÇP



Ø83.00 mm.
83P01

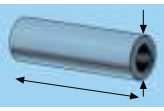
Cyl	32.00
4	-3.10
	-3.00
	-1.00
	56.00



PSP
YPO
KMP



Combustion Bowl 66.70



20.00
52.00

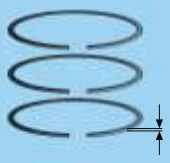


20.00
52.00

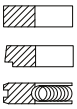


20.00
52.00

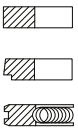




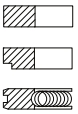
1.20
1.20
2.00



1.50 Cr
1.50
3.00



1.20 Cr
1.50
3.00



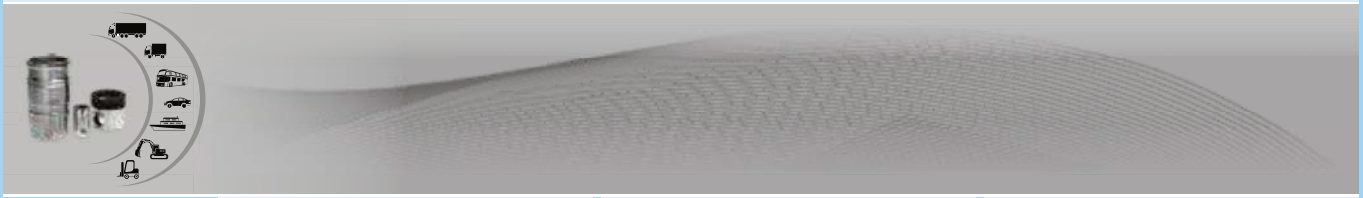




P 350 135 Std.
PR 350135

P 350 150 Std.
P 350 150 0.40
P 350 150 0.60
PR 350 150

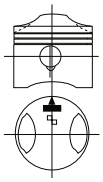
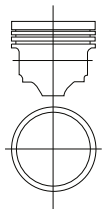
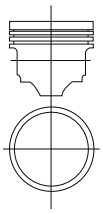
P 350 140 Std.
P 350 140 0.40
P 350 140 0.60
PR 350 140

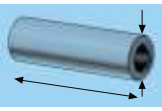


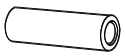
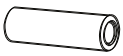
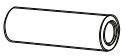


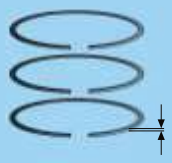
07	08	09
Motor 116,33 A 195.17 1962 ccm,89-98 kW,(121-133 PS DIN), 9:1 **Vehicle** Alfa Romeo 2.0, Alfetta, Giullia, GTV 2.0, Alfa 75 2.0, 06.1971 **Motor 2.0 Ltr.** 1962 ccm, 82.5-94 kW,(112-128 PS SAE), 9:1 **Vehicle** Alfa Romeo 2.0 GTI, Alfetta, 05.1972-1985	**Motor 301.28** 1490 ccm, 70 kW,(95 PS), 9:1 **Vehicle** Sprint,1984-1985,Alfa 33,1985-1986 **Motor** 67.5 kW,(92 PS),9:1 **Vehicle** Alfa 33,1986- **Motor** 77 kW,(105 PS), 9.5:1 **Vehicle** Sprint 1985-1988,Alfa 33, 1985,1987-	**Motor**

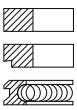
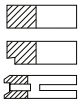
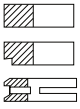


Ø 84.00 mm. 84P01		Ø 84.00 mm. 84P02		Ø 84.00 mm. 84P03	
Cyl.	32.75	Cyl.	34.50	Cyl.	37.50
4	+ 14.75	4	-5.00	4	-5.00
	81.00		67.50		70.50
PSP TÇP		PSP		PSP	

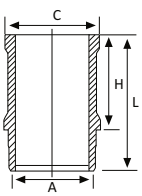


22.00 71.00		21.00 63.50		21.00 61.50	



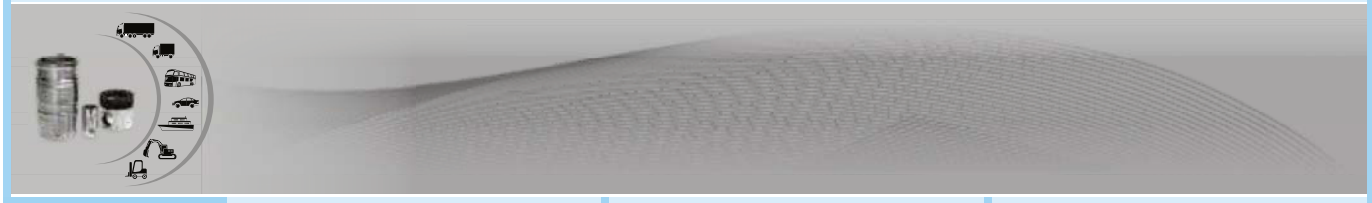
1.50 Cr 1.75 4.50		1.50 Cr 1.75 4.00		1.50 Cr 1.75 4.00	



A = 89 C = 98 L = 152 H = 107.5					



P 350 110 Std. L 350 110 PR 350 110 K 350 110		P 350 115 Std. P 350 115 0.40 P 350 115 0.60 PR 350 115 K 350 115		P 350 120 Std. P 350 120 0.40 P 350 120 0.60 PR 350 120 K 350 120	



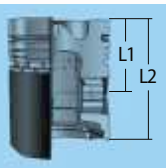


Motor **10**
1994 ccm, 60 kW , (82 PS), 22:1
1994 ccm, 70-78 kW , (95-105 PS), 22:1

Vehicle

Motor VM HR 92.4 H-SH Diesel **11**
2500 ccm 84 kw (114 PS) 22:1;
Vehicle Alfa 164 2.5 TD 6.1987-09.1992

Motor VM HRT 392 Diesel **12**
1779 ccm 55 kw (74 PS) 22:1;
Vehicle Alfa 33 1.8 TD 10.1986-
Motor VM HR 492 HT Diesel
2393 ccm 67 kw (91 PS) 22:1;
Vehicle Alfetta 2.4 TD 04.1983-12.1984
Motor VM HR 492 HI Diesel
2392 ccm 81 kw (110 PS) 22:1;
Vehicle Alfa 90 2.4 TD 10.1984-07.1987



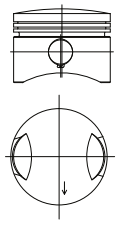




Ø88.00 mm.
88P01

Cyl	39.05
	-7.50
	67.42

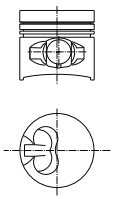
PSP



Ø 92.00 mm.
92P01

Cyl.	51.20
4	-3.70
	86.00

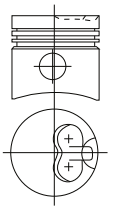
CSY

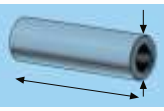


Ø 92.00 mm.
92P02

Cyl.	53.10
3/4	-3.50
	88.10

CSY
PAK
KMP





22.00
73.00

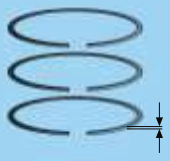


30.00
75.70

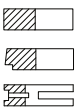


30.00
75.00

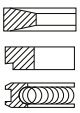




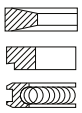
1.50
1.75
4.00



2.50 Cr
2.00
4.00 Cr

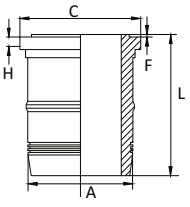


2.50 Cr
2.00
4.00 Cr

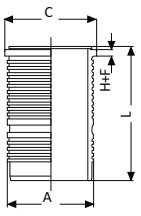




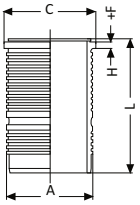
A = 103.0
C = 110.0
F = 1.2
L = 168.0
H = 8.9



A = 103.00
C = 110.00
L = 168.00
H + F=8.9+1.2



A = 103.00
C = 110.00
L = 168.00
H + F=8.9+1.2

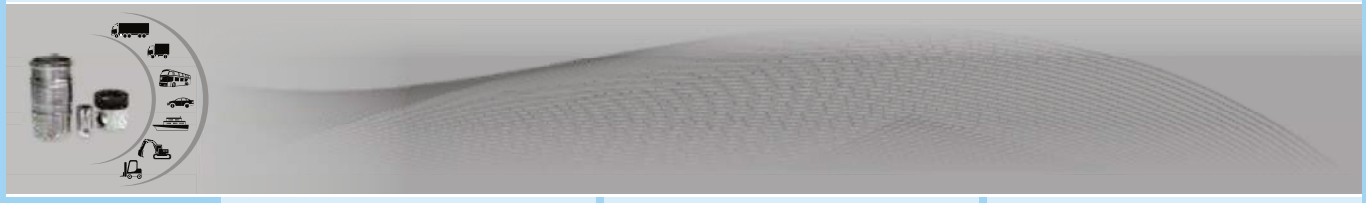




P 350 160 Std.
L 350 160
PR 350 160
K 350 160

P 350 125 Std.
L 350 125
PR 350 125
K 350 125

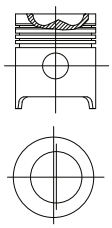
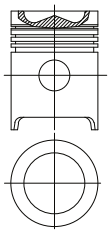
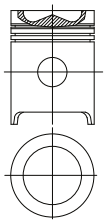
P 350 130 Std.
L 350 130
PR 350 130
K 350 130

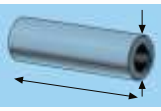




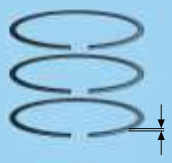
01	02	03
Motor 433D, 433T, 2200 4CYL 220CID **Tractor**: 1600, 615, 710C, 714C, 715C 6060, 6070, 6080 **Combine**: F2, K2 **Crawler Dozer**: Hd, 650, 652, 653, 655 **Forklift**: F30, 705D, 706D, 708D, 766	**Motor 3500, 3700, 670T** 6 cyl 426CID **Tractor:** D21,210,220,7030,7040,7045 7050,7060,7080,7580 **Combine:** L, L2 early, MH,MH2,MH3 early **Crawler Dozer:** 7G Seriers B **Loader:** 645, 645B	**Motor 3750, 670HI** 6 cyl 426CID **Tractor:** 4W220, 8030, 8050, 8070 **Combine:** L2 late, L3, MH 3 late N5,N6,R5,R6



Ø 98.425 mm. 98P13	**Ø 107,95 mm.** 107P07	**Ø 107,95 mm.** 107P08
Cyl 63.80 -14.52 116.20	Cyl 79.95 -14.55 147.95	Cyl 80.00 -14.5 147.90
CSY 	CSY 	CSY 
Combustion Bowl 63.00	Combustion Bowl 76.0	Combustion Bowl 75.90



31.7932 83.75 	38.13 92.20 	44.48 89.10 

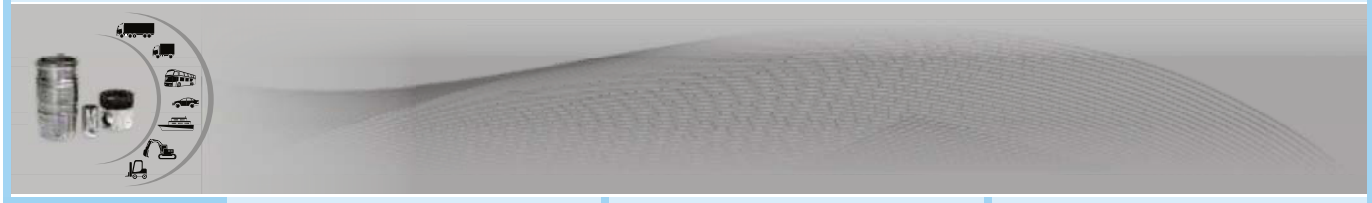


2.385  2.385  2.385  4.747 	2.5  3.16  3.16  6.335 	2.5  3.16  6.335 





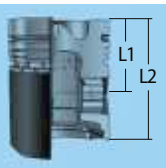
P 360 120 Std PR 360 120	P 360 110 Std PR 360 110	P 360 115 Std PR 360 115





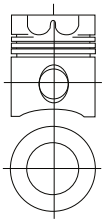
Motor 11000 Mark II **04**
Vehicle Graders 100-C, 150-C, 200-C Loader TL - 745, TL-745H, To S/N, 11-18336, Tractor HD11B, HD11E, HD11EC, S/N 10001-UP, Tractor HD 11 S/N, 6427-Up,

Motor 61381 **05**
Vehicle Tractor 260 B, 261 B, Loader TL 945 B,



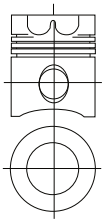
Ø 112.725 mm.
112P02

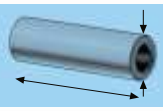
Cyl.	91.745
6	-30.099
	152.970



Ø 133.350 mm.
133P02

Cyl.	107.671
6	-21.615
	177.546



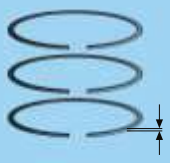


41.316
96.900

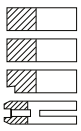


50.85
111.00

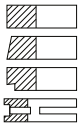




2.380
3.175
3.175
6.350

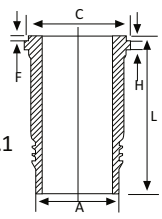


3.175
3.175
3.175
6.350

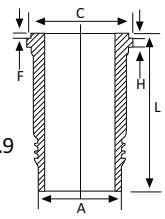




A = 125.40
C = 133.37
L = 274.65
H + F=8.03+1.1



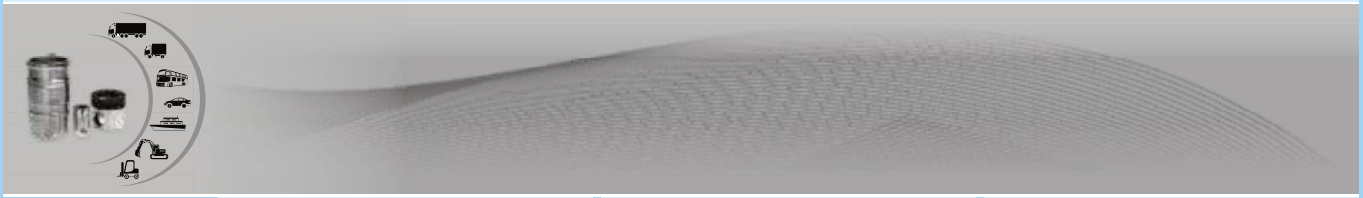
A = 174.32
C = 157.96
L = 323.85
H + F=11.8+0.9





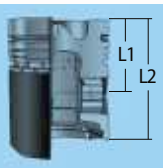
P 360 100 Std.
L 360 100
PR 360 100
K 360 100

P 360 105 Std.
L 360 105
PR 360 105
K 360 105





01



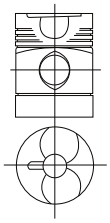


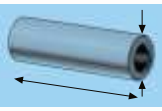


Ø 120.00 mm.
120P01

Cyl.	
4	100.0
	-3.0
	-43.0
	165.6

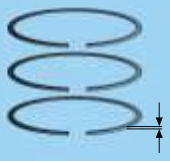
ESP



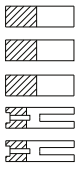


45.00
99.50



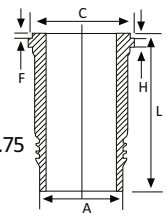


3.0
3.0
3.0
5.50
5.50



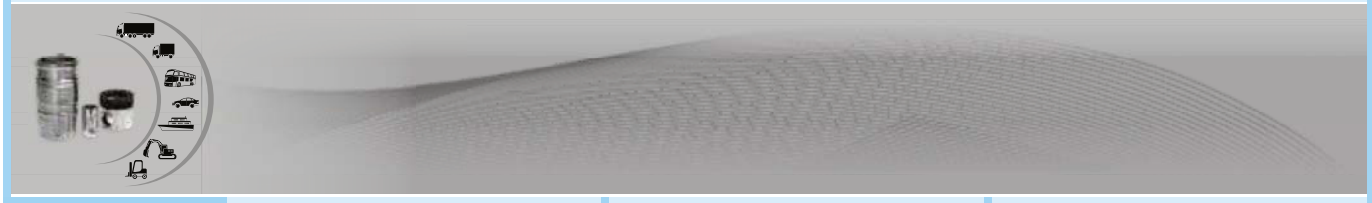


A = 138.00
C = 146.00
L = 305.50
H + F=8.55+1.75

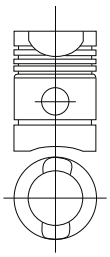
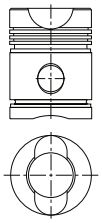
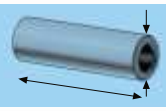
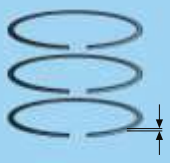
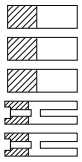
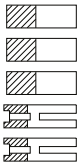


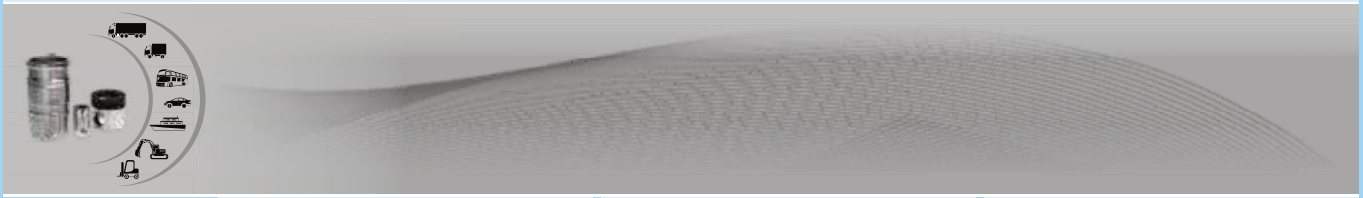


P 365 100 Std.
L 365 100
PR 365 100
K 365 100





	01	02	
	**Ø 107.95 mm.** 107P09 Cyl. 95.15 1/2 -28.00 -1.80 146.00 ESP  Combustion Bowl 60.30	**Ø 107.95 mm.** 107P10 Cyl. 66.27 -29.80 -2.50 115.35 ESP  Combustion Bowl 60.00	
	38.10 90.00 	31.75 92.00 	
	3.175 Cr 3.175 3.175 6.350 6.350 	3.175 Cr 3.175 3.175 6.350 6.350 	
			
	P 370 100 Std. P 370 100 0.50 P 370 100 0.75 P 370 100 1.00 P 370 100 1.50 PR 370 100 K 370 100	P 370 105 Std. P 370 105 0.50 P 370 105 0.75 P 370 105 1.00 P 370 105 1.50 PR 370 105 K 370 105	





Motor 1.1 Ltr. **01**
1093 ccm, 35.5/38 kW (50/52 PS), 8/8,2:1; 72 mm Up
Vehicle Audi 50, 1974-78

Motor 1.3 Ltr. **02**
1272 ccm, 40.5/44 kW, (55/60 PS), 8.2:1; 72 mm
Vehicle Audi 50, Model 1977-78
Vehicle Audi 80, Audi FOX, 4000 (USA), August 1978-81

Motor 1.6 Ltr. **03**
1588 ccm, 40 kW (54 PS), 23:1
Vehicle Audi 80 D, 4000 Diesel, (USA), 1980
Motor 2.0 Ltr.
1986 ccm, 51.5 kW, (70 PS), 23:1
Vehicle Audi 100 5 D, 5000 Diesel, (USA), 10.1978

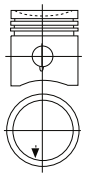


Ø 69.51 mm.
69P01

Cyl. 4
40.20
-4.00
67.20

39.95
-4.00
66.95

PSP
KYA



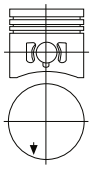
Combustion Bowl 60.00

Ø 75.00 mm.
75P01

Cyl. 4
38.55
66.55

38.30
66.30

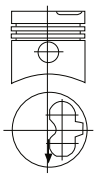
PSP
KYA

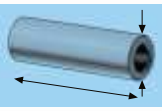


Ø 76.51 mm.
76P17

Cyl. 4/5
41.7
-1.6
71.7

PSP
CSY





20.00
57.00

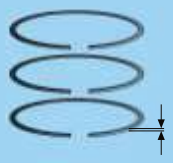


20.00
63.00

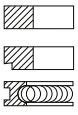


24.00
64.00

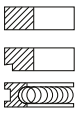




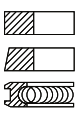
1.75 Cr
2.00
4.00



1.75 Cr
2.00
4.00

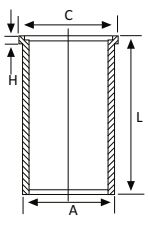


1.75 Cr
2.00
3.00 Cr





A = 79.50
C = 81.50
L = 145.00
H = 4.70

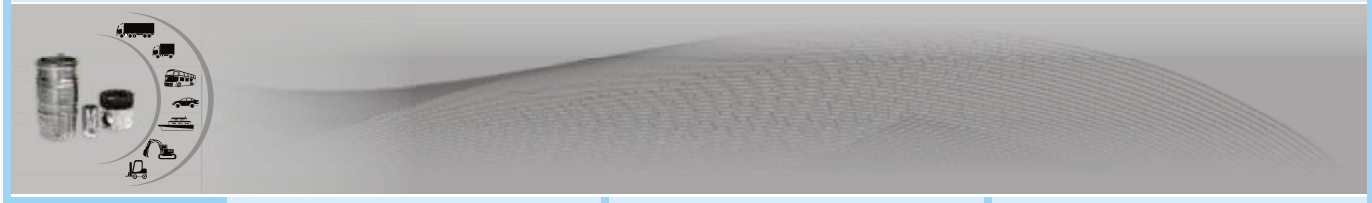




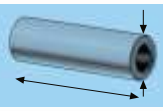
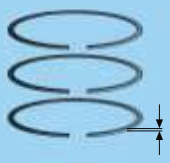
P 355 155 Std.
P 355 155 0.20
P 355 155 0.40
PR 355 155
K 355 155

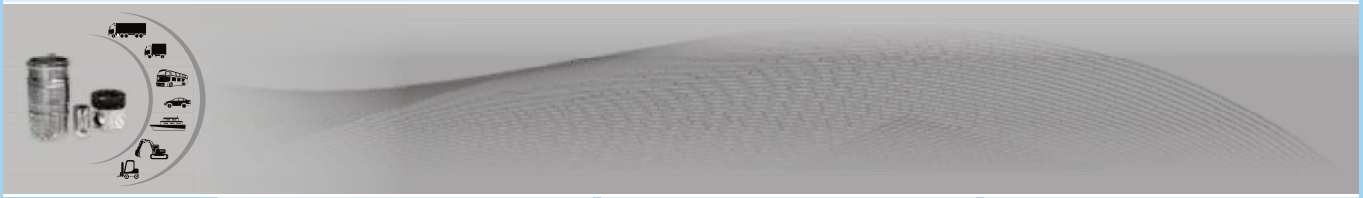
P 355 160 Std.
L 355 160
PR 355 160
K 355 160

P 355 100 Std.
P 355 100 0.25
P 355 100 0.50
P 355 100 1.00
L 355 100
PR 355 100
K 355 100





	04	05	06
	dto.,	**Motor 1.6 Ltr.** 1588 ccm, 81 kW, (110 PS), 9.5:1 **Vehicle** Audi 80 GTE, 09.1975-1982	**Motor 1.6 Ltr.** 1588 ccm, 55-62.5 kW, (75-85 PS), 8.2:1 **Vehicle** Audi 80, Audi FOX, 4000 (USA), Audi Coupe, Audi 100, 5000 (USA), 10.1974-1983
	**Ø 77.00 mm.** 77P01 Cyl. 4/5 41.45 -1.60 71.70 PSP CSY	**Ø 79.51 mm.** 79P11 Cyl. 4 40.70 -8.30 72.70 40.40 -8.30 72.40 PSP KYA Combustion Bowl 60.00	**Ø 79.51 mm.** 79P12 Cyl. 4 41.80 -6.10 73.80 41.50 -6.10 73.50 PSP KYA Combustion Bowl 63.00
	24.00 64.00	22.00 63.00	22.00 63.00
	1.75 Cr 2.00 3.00 Cr	1.75 Mo 2.00 4.00 Cr	1.75 Mo 2.00 4.00 Cr
			
	P 355 105 Std. P 355 105 0.50 PR 355 105	P 355 110 Std. P 355 110 0.25 P 355 110 0.50 PR 355 110	P 355 165 Std. P 355 165 0.25 P 355 165 0.50 P 355 165 0.75 P 355 165 1.00 PR 355 165





Motor AAS, **07**
2370 ccm, 60 kW, (82 PS), 23:1
Vehicle 05.1991-

Motor AAZ, **08**
1896 ccm, 55 kW, (75 PS), 22.5:1
Vehicle 03.1991-

09

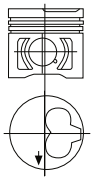






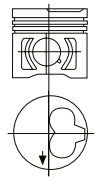
Ø 79.51 mm.
79P13

Cyl.	39.65
5	-1.90
	65.65
	39.40
	-1.90
	65.65
PSP	
CSY	
KYA	



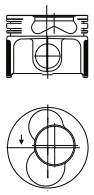
Ø 79.51 mm.
79P14

Cyl.	45.65
4	-1.90
	71.65
	45.40
	-1.90
	71.65
PSP	
CSY	
YPO	
KYA	

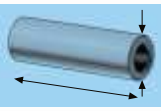


Ø 79.51 mm.
79P15

Cyl	39.796
1/2	-1.04
3/4	-17.77
	60.76



Combustion Bowl 37.85



24.00
64.00

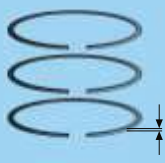


26.00
66.00

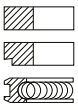


24.00
59.00

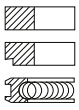




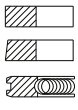
1.75 Cr
2.00 Cr
3.00 Cr



1.75 Cr
2.00 Cr
3.00 Cr

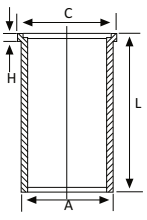


1.75
2.00
3.00





A = 82.50
C = 85.50
L = 152.00
H = 4.70

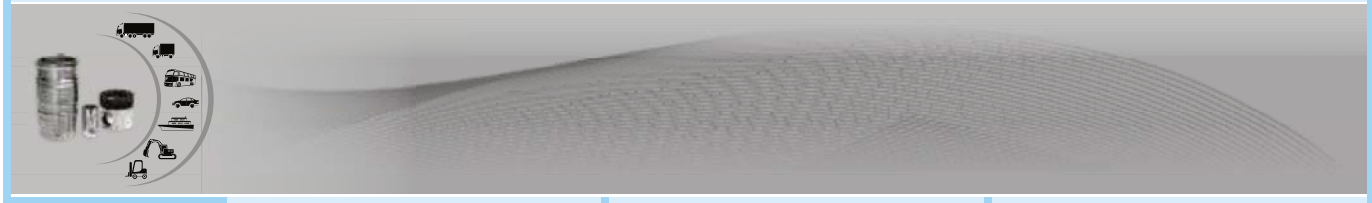




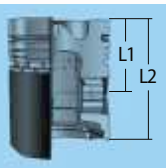
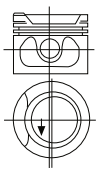
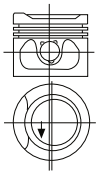
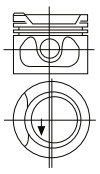
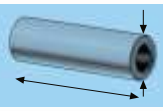
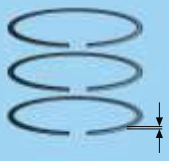
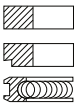
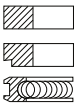
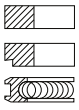
P 355 170 Std.
P 355 170 0.25
P 355 170 0.50
P 355 170 1.00
PR 355 170

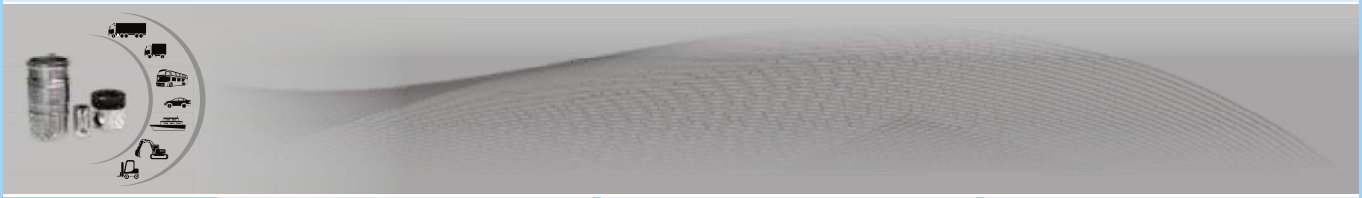
P 355 175 Std.
P 355 175 0.25
P 355 175 0.50
P 355 175 1.00
L 355 175
PR 355 175
K 355 175

P 355 185 Std.
PR 355 185





	10	11	12
	Motor 1.8 Ltr. 1781 ccm, 55-64,5 kW, (75-88 PS), 8.75- 9:1 **Vehicle** Audi 80, Audi 100, 1983-1987	**Motor 1.6 Ltr.** 1595 ccm, 55 kW, (75 PS), 9:1 **Motor 1.6 Ltr.** 1595 ccm, 51.5 kW, (70 PS), 9:1 **Vehicle** Audi 80, 1983-	**Motor 1.8 Ltr.** 1781 ccm, 59-67 kW, (80-91 PS SAE), 8.5- 9:1 **Vehicle** Audi 4000, 1983-
  	**Ø 81.01 mm.** 81P02 Cyl. 32.20 4 +1.30 -8.10 62.50 DSP 31.90 KYA +1.30 TÇP -8.10 62.20  Combustion Bowl 60.00	**Ø 81.01 mm.** 81P03 Cyl. 35.60 4 +2.20 -2.30 66.80 DSP 35.30 KYA +2.20 TÇP -2.30 66.50  Combustion Bowl 60.40	**Ø 81.01 mm.** 81P04 Cyl. 32.20 4 +1.30 -8.10 62.50 DSP 31.90 KYA +1.30 TÇP -8.10 62.20  Combustion Bowl 56.90
	20.00 57.00 	20.00 57.00 	20.00 57.00 
	1.50 Cr 1.75 3.00 Cr 	1.50 Cr 1.75 3.00 Cr 	1.50 Cr 1.75 3.00 Cr 
			
	P 355 115 Std. P 355 115 0.25 P 355 115 0.50 P 355 115 1.00 PR 355 115	P 355 120 Std. P 355 120 0.25 P 355 120 0.50 P 355 120 0.75 P 355 120 1.00 PR 355 120	P 355 125 Std. P 355 125 0.25 P 355 125 0.50 P 355 125 1.00 PR 355 125





Motor 2.0 Ltr. **13**
1994 ccm, 83-85 kW,
5113-115 PS), 10:1
Vehicle Audi 80 5, Audi 90 5,
Audi 100 5, Coupe GT 5, 1983-

Motor 2.2 Ltr. **14**
2226 ccm, 100-102 kW,
(136-139 PS), 10:1
Vehicle Audi 90, Audi Coupe GT, Audi 100, Audi 200, 1984-

Motor 2.2 Ltr. **15**
2226 ccm, 85-88 kW, (115-120 PS),
8.5:1
Vehicle Audi Coupe GT. 1986-1988
Motor 2.2 Ltr.
2226 ccm, 7.5-89 kW, (100-115 PS),
8.5:1
Vehicle 4000, 5000, Coupe, 1983-1988

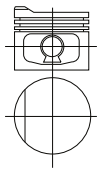






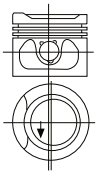
Ø 81.01 mm.
81P05

Cyl.	35.60
5	+2.20
	66.80
	35.30
	+2.20
	66.50
DSP	
KYA	
TÇP	



Ø 81.01 mm.
81P06

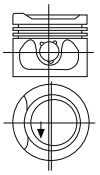
Cyl.	32.20
5	+1.10
	-4.60
	62.30
	31.90
	+1.10
	-4.60
DSP	62.00
KYA	
TÇP	



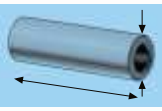
Combustion Bowl 55.50

Ø 81.01 mm.
81P07

Cyl.	32.20
4	+1.30
	-8.10
	62.50
	31.90
	+1.30
	-8.10
DSP	62.20
KYA	
TÇP	



Combustion Bowl 60.00



20.00
57.00

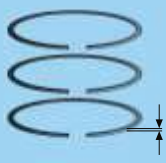


20.00
57.00

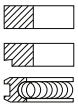


20.00
57.00

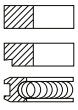




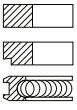
1.50 Cr
1.75
3.00 Cr



1.50 Cr
1.75
3.00 Cr



1.50 Cr
1.75
3.00 Cr



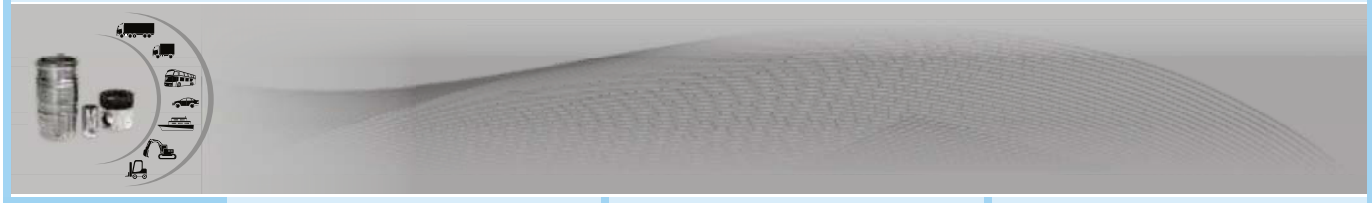




P 355 140 Std.
P 355 140 0.25
P 355 140 0.50
P 355 140 1.00
PR 355 140

P 355 145 Std.
P 355 145 0.25
P 355 145 0.50
P 355 145 1.00
PR 355 145

P 355 150 Std.
P 355 150 0.25
P 355 150 0.50
P 355 150 1.00
PR 355 150





16

AEB 2.0 V 1781 ccm 110 Kw 150 Ps 9,5:1 A3-4-6

17

Benzin-Motor 1,8 Ltr.,
1781 ccm, 82 kW (112 PS), 10:1;
Benzin-Motor 1,8 Ltr.,
1781 ccm, 64,5-81 kW (88-110 PS), 9/10:1;
86.4 mm Hub, mit katalysator, KE-Jetronic
Vehicle Audi 80 GLE, Audi Coupé GT, Audi 100, 1982-
Benzin-Motor 1,8 Ltr.,
1781 ccm, 66 kW (90 PS), 10:1; 86.4 mm Hub,
Vehicle Audi 80, Audi Coupé GT, Audi 100, 1982-

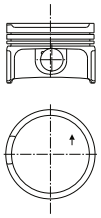
18

Motor
2641 ccm, 85 kW (115 PS), 20:1;
2641 ccm, 103 kW (140 PS), 20:1;
Vehicle 08.1991- 06.1991- 10.1994-



Ø 81.01 mm.
81P08

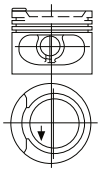
Cyl	32.70
4	-1.50
	-2.10
	53.70
	32.40
KYA	53.40



Combustion Bowl 70.20

Ø 81.01 mm.
81P09

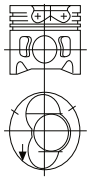
Cyl.	32.20
4	+1.30
	-4.40
	62.50
	31.90
KYA	+1.30
TÇP	-4.40
DSP	62.20

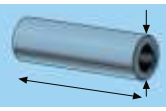


Combustion Bowl 55.80

Ø 81.01 mm.
81P10

Cyl.	45.75
5	-1.35
	-17.25
	69.75
	45.50
PSP	-1.35
KYA	-17.25
	69.50





20.00		
59.00		

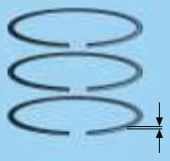


20.00		
57.00		

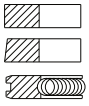


26.00		
68.00		

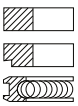




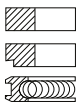
1.50		
1.75		
2.00		



1.50 Cr		
1.75		
3.00 Cr		



2.50 Mo		
2.00 Cr		
3.00 Cr		



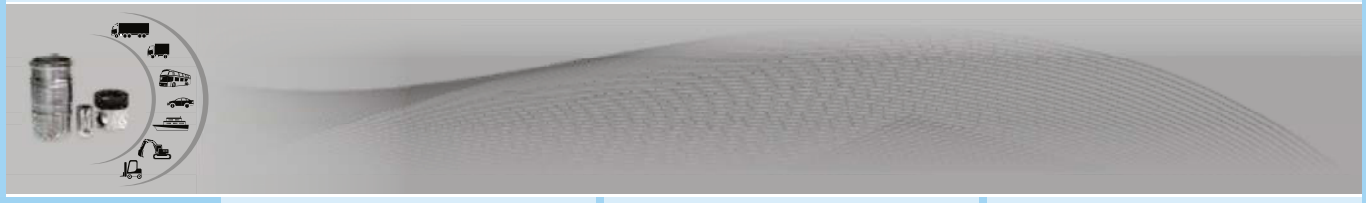




P 355 190 Std.
P 355 190 0.25
P 355 190 0.50
PR 355 190

P 355 130 Std.
P 355 130 0.25
P 355 130 0.50
P 355 130 1.00
PR 355 130

P 355 180 Std.
P 355 180 0.25
P 355 180 0.50
PR 355 180





Motor AAR, NF , NG **19**
2309 ccm, 98-100 kW ,
(133-136 PS), 10:1
Vehicle 100 1990 - 1994
A6 1994 - 1996
80 1991 - 1994
90 1987 - 1991

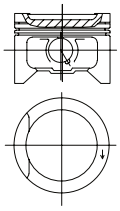
Motor 6A , ACE **20**
1984 ccm, 101-103 kW ,
(137-140 PS), 10.7:1
Vehicle 80 1990-1992
100 1992-1994 , A6 1994-1997,
Coupé 1992

Motor AAH,AFC,AEJ **21**
2771 ccm, 120-128 kW ,
(163-174 PS), 10.3:1
Vehicle 80, Coupe 1991-1995
100 1990-1994
A4,A6,A8 1994-1996



Ø82.50 mm.
82P10

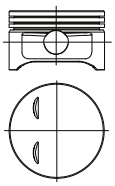
Cyl	32.20
5	+1.10
	-4.40
	52.80
	31.90
	+1.10
	-4.40
PSP	52.50
TÇP	



Combustion Bowl 59.60

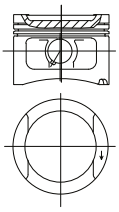
Ø82.51 mm.
82P14

Cyl	30.20
4	-3.25
	58.20
	29.90
	-3.25
	57.90
PSP	
YPO	
KYA	

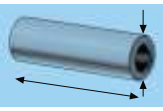


Ø82.51 mm.
82P15

Cyl	30.80
	+0.70
	-4.65
.	60.50
	30.50
	+0.70
	-4.65
PSP	60.20
YPO	
KYA	
TÇP	



Combustion Bowl 61.40



20.00
57.00

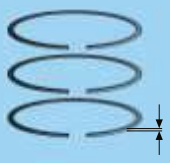


20.00
57.00

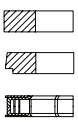


21.00
56.00

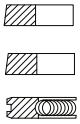




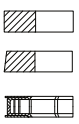
1.50 Cr
1.75
3.00 Cr



1.20 Mo
1.50 IW
2.00 Cr



1.20 IF
1.50 IF P
2.00



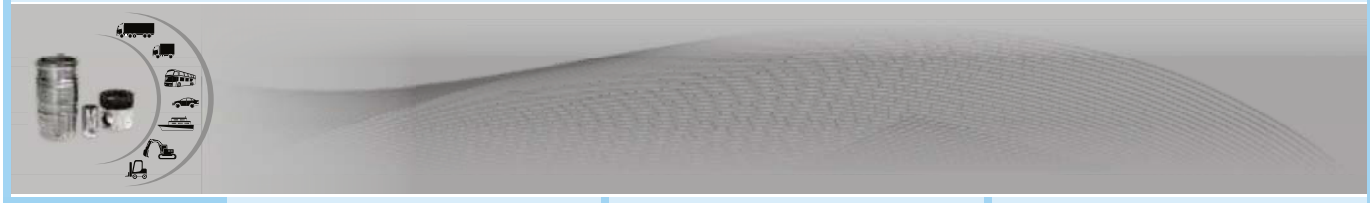




P 355 195 Std.
P 355 195 0.25
P 355 195 0.50
PR 355 195

P 355 200 Std.
P 355 200 0.25
P 355 200 0.50
PR 355 200

P 355 205 Std.
P 355 205 0.25
P 355 205 0.50
PR 355 205

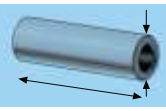




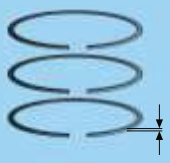
01	02	03
	Motor 10.220 3611 ccm, 49-52-54.5 kW, (67 PS DIN 71-74 PS SAE), 17.1:1 **Vehicle** KCC 10, KBC 10, KAC 10, 1961-1974 **Motor 5, W 330** 5417 ccm, 73.5-79-82 kW, (100 PS DIN, 107-112 PS DIN, 107-112 PS SAE), 17.1:1 **Vehicle** KF-LC 5, KG-SL 5, KD-LC 5, KE-LC 5, KF-SC 5, KG-SC 5, KG-LC 5, EJM 2/3, EJN 3, EFR 1, EJR 3, DJM 2/3, DJN 2/3, DJN 3, 1961-1983	**Motor 466.70** 7634 ccm, 88-105-115 kW, (120-143 PS DIN, 156 PS SAE), 17:1 **Vehicle** AERT 2/3/4/6/, ERJ 1/2/3/7. KHTC 70, EPR 1/3, KHMC 70, HLC 70, KHEC 70, KGSC 60, KGLC 60, EMT 2/3, EMV, HMX, KMX, 1967-1975



Ø 103.18 mm. 103P05	**Ø 103.18 mm.** 103P06	**Ø 115.89 mm.** 115P19
Cyl. 4 71.30 -21.45 118.70	Cyl. 4/6 71.50 -21.40 118.30	Cyl. 6 75.80 -23.00 122.40
CSY DSP	ESP DDG	ESP
Combustion Bowl 53.90	Combustion Bowl 52.71	



34.925 88.00	34.925 87.80	38.10 98.50



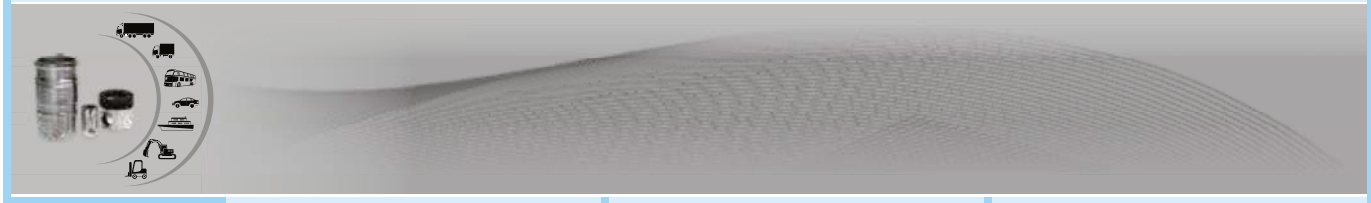
2.385 2.38 4.747	2.385 Cr 2.385 2.385 4.747 4.747	2.385 Cr 2.385 2.385 4.747 4.747



	A = 107.95 C = 111.125 L = 216.30 H = 4.76	A = 119.61 L = 235.50



P 375 110 Std. PR 375 110	P 375 100 Std. P 375 100 020 P 375 100 030 P 375 100 040 P 375 100 060 L 375 100 PR 375 100 K 375 100	P 375 105 Std. L 375 105 PR 375 105 K 375 105





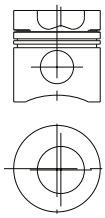
Motor 500 PHASE I **04**
8200 ccm, 17:1
Vehicle
TM Series 1975 - 1980
Motor 500 PHASE II
8200 ccm, 16:1
Vehicle TM Series 1980 - 1986



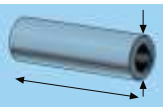
Ø 115.89 mm.
115P20

Cyl	
6	76.02
	-25.30
	122.49

CSY

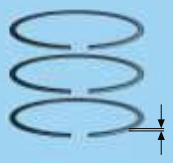


Combustion Bowl 63.00

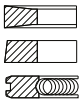


44.45
99.00



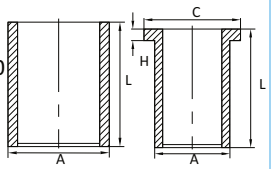


3.175
2.380
4.762



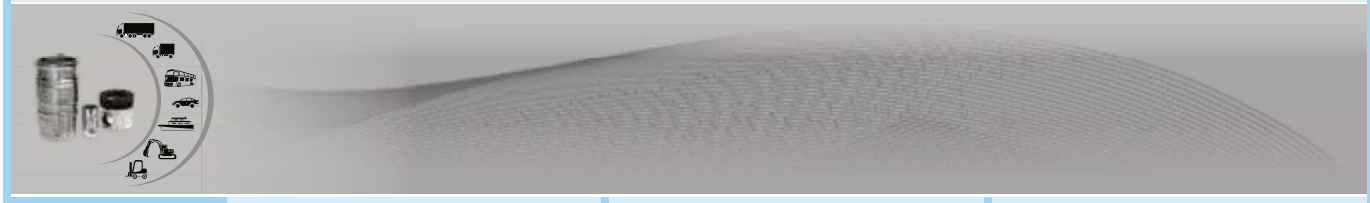


A = 120.45
C = 128.40
L = 238.990
H = 9.910
A = 119.63
L = 238.00

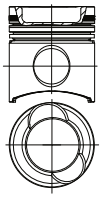
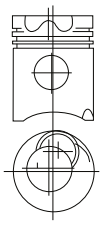
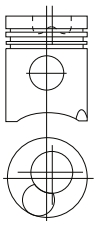
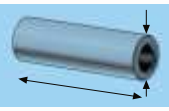
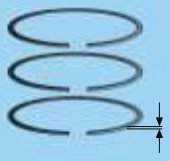
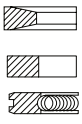
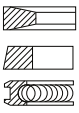
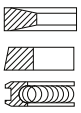
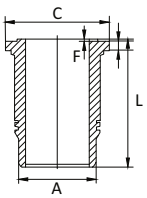
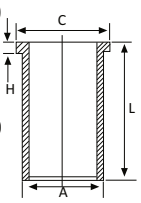
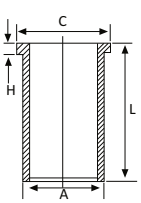


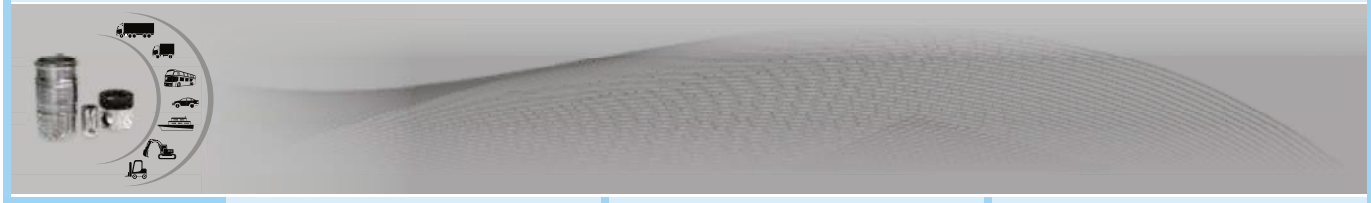


P 375 115 Std.
L 375 115
L 375 116
PR 375 115
K 375 115





01	02	03
	Motor MIDR 635.40 12024 ccm, 226 kW, (307 PS7, 15:1 **Vehicle** 305, 310, PX 30, 1979 - 80	**Motor 12000 cc Diesel** **Vehicle** 340 6x4, 340 6x6, 350 6x4, 350 6x6, CBH 340 CLM 340 R 340 R 350 -05.1988, 06.1988-
	**Ø120.00 mm.** 120P02 Cyl 83.82 -26.50 -1.23 -1.20 134.82 CSY YPO  Combustion Bowl 84.90	**Ø 135.00 mm.** 135P01 Cyl. 90.30 6 -0.80 -29.12 170.20 CSY YPO  Combustion Bowl 78.00	**Ø 135.00 mm.** 135P02 Cyl. 90.30 6 -0.80 -26.00 170.10 CSY YPO  Combustion Bowl 77.90
	49.975 97.40 	55.00 112.00 	55.00 112.00 
	3.50 3.00 4.00 	3.50 Cr 3.00 Cr 4.00 Cr 	4.00 Cr 3.00 Cr 4.00 Cr 
	A = 135.00 C = 147.30 L = 261.00 H = 9.36 F = 0.74 	A = 143.00 C = 147.00 L = 286.00 H = 7.00 A = 143.00 C = 149.00 L = 286.00 H = 7.3.00  A = 143.25 C = 149.00 L = 286.00 H = 7.30 A = 144.00 C = 148.00 L = 286.00 H = 7.5.00	A = 143.00 C = 147.00 L = 286.00 H = 7.00 A = 143.00 C = 149.00 L = 286.00 H = 7.40  A = 143.25 C = 149.00 L = 286.00 H = 7.40 A = 143.00 C = 149.00 L = 287.60 H = 7.58
	P 380 130 Std. L 380 130 PR 380 130 K 380 130	P 380 100 Std. L 380 100 L 380 101 PR 380 100 K 380 100 L 380 102 L 380 103	P 380 105 Std. L 380 105 L 380 106 PR 380 105 K 380 105 L 380 107 L 380 108





Motor MIDR 635.40 **04**
12024 ccm, 226 kW, (307 PS7, 15:1
Vehicle 305, 310, PX 30, 1979 - 80

Motor 12000 cc Diesel **05**
Vehicle 340 6x4, 340 6x6,
350 6x4, 350 6x6, CBH 340 CLM 340 R
340 R 350 -05.1988, 06.1988-

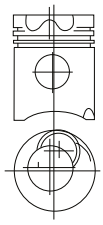
Diesel Motor MIDR 0635.40 N 3, **06**
12024 ccm, 283 kW, (385 PS), 18:1
Vehicle AE 385, Major R 385,
CLM 385, GBH 385, CBH 385, 1992 -
Diesel Motor MIDR 0635.40 J 3,
12024 ccm, 309 kW, (420 PS), 18:1
Vehicle AE 420, Major R 420 1992 -
Diesel Motor MIDR 0635.40 M 3,
12024 ccm, 235 kW, (320 PS), 18:1
Vehicle CLM 320, GBH 320, CBH 320,
1992 -



Ø 135.00 mm.
135P03

Cyl.	90.30
6	-0.80
	-29.12
	170.20

CSY
YPO

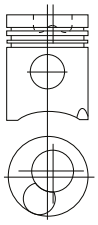


Combustion Bowl 78.00

Ø 135.00 mm.
135P04

Cyl.	90.30
6	-0.80
	-26.00
	170.10

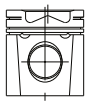
CSY
YPO



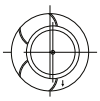
Combustion Bowl 77.90

Ø 135.05 mm.
135P10

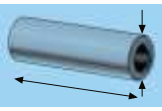
Cyl	90.35
6	-1.00
	-21.80
	149.40



CSY
YPO
PBP



Combustion Bowl 77.70



55.00
112.00

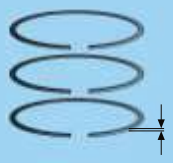


55.00
112.00

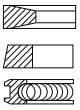


55.00
108.00

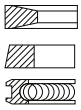




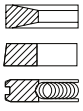
3.50 Cr
3.00 Cr
6.00 Cr



3.50 Cr
3.00 Cr
6.00 Cr



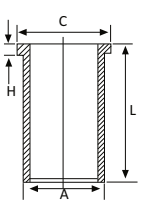
4.00
3.00
4.00





A = 143
C = 147
L = 286
H = 7

A = 143
C = 149
L = 286
H = 7.3

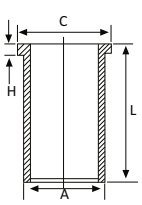


A = 143.25
C = 149.00
L = 286.00
H = 7.30

A = 144
C = 148
L = 286
H = 7.5

A = 143.00
C = 147.00
L = 286.00
H = 7.00

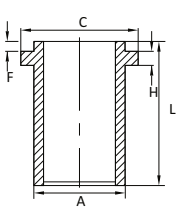
A = 143.00
C = 149.00
L = 286.00
H = 7.4.00



A = 143.25
C = 149.00
L = 286.00
H = 7.40

A = 143.00
C = 149.00
L = 287.60
H = 7.58

A = 143.00
C = 149.00
L = 287.00
H = 7.58
F = 1.02





P 380 115 Std.
L 380 115
L 380 116
PR 380 115
K 380 115

L 380 117

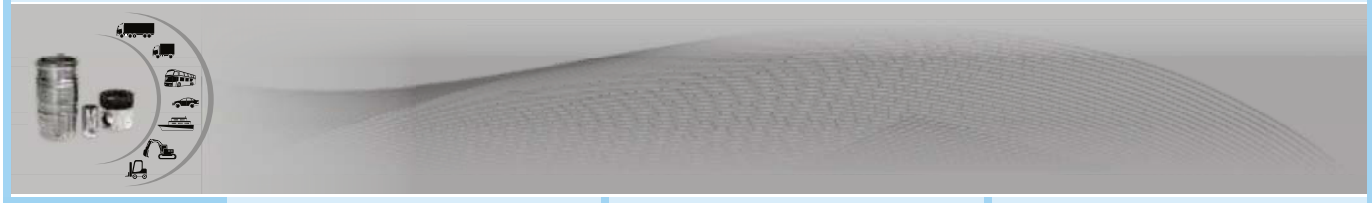
L 380 118

P 380 120 Std.
L 380 120
L 380 121
PR 380 120
K 380 120

L 380 122

L 380 123

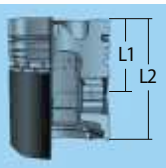
P 380 110 Std.
L 380 110
PR 380 110
K 380 110





Motor E 21 **01**
1563 ccm, 66 kW, (90 PS), 8.3:1
Vehicle 316, 07.1975-08.1980

Motor M 40B16ME.8 **02**
1596 ccm, 73 kW, (100 PS), 9:1
Vehicle 316 i, 08.1988-



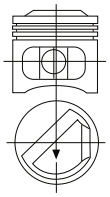




Ø 84.00 mm.
84P04

Cyl.	46.70
4	+6.00
	84.70

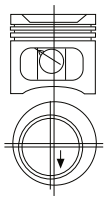
PSP
TÇP
YPO

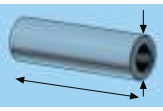


Ø 84.00 mm.
84P05

Cyl.	41.15
4	-2.75
	67.15

PSP



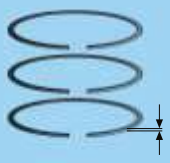


22.00
69.00

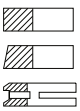


22.00
54.00

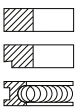




1.75 Cr
2.00
4.00



1.50 Cr
1.75
3.00

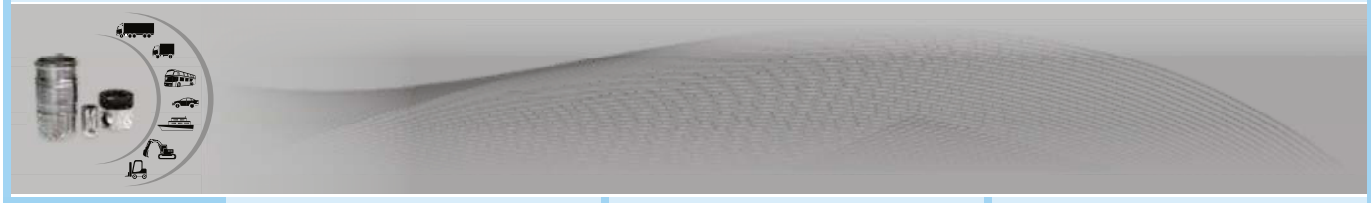






P 385 100 Std.
P 385 100 0.25
P 385 100 0.50
PR 385 100

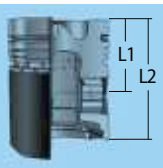
P 385 105 Std.
P 385 105 0.25
P 385 105 0.50
PR 385 105





Motor **01**
Dieselmotor, G105, (16 PS), 2G105, (32 PS), 3G105, (48 PS),
Vehicle Tractor D302, D452

02



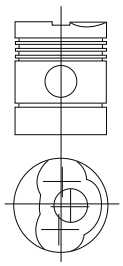




Ø 105.00 mm.
105P01

Cyl. 1/2/3	-71.60
	-2.30
	-2.40
	-12.80
	134.50

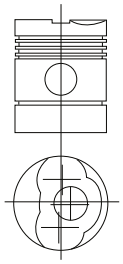
ESP

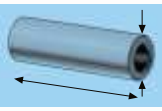


Ø 105.00 mm.
105P02

Cyl. 1/2/3	71.50
	-2.60
	-12.60
	127.95

ESP



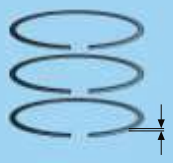


38.00
90.00

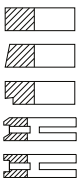


38.00
90.00

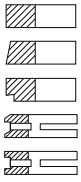




2.50	
3.00	
3.00	
6.00	
6.00	



2.50	
3.00	
3.00	
6.00	
6.00	

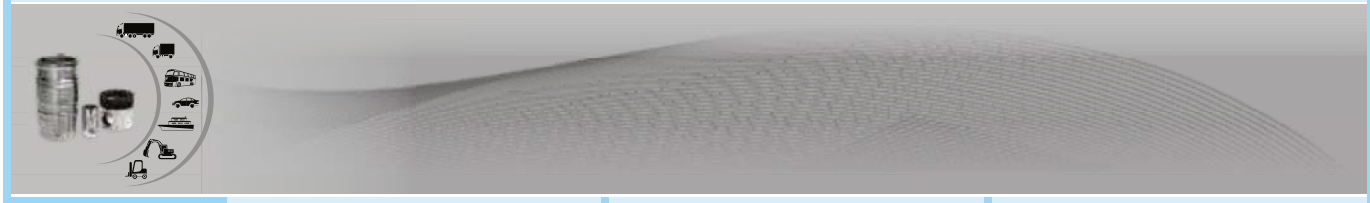




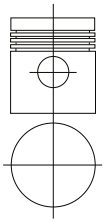
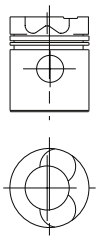
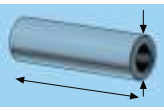
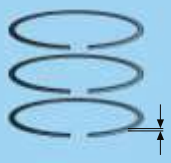
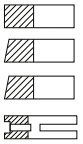
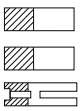
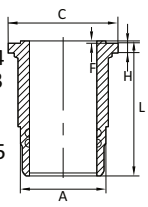
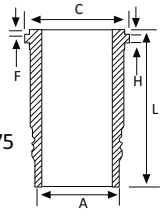
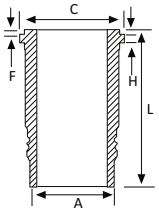


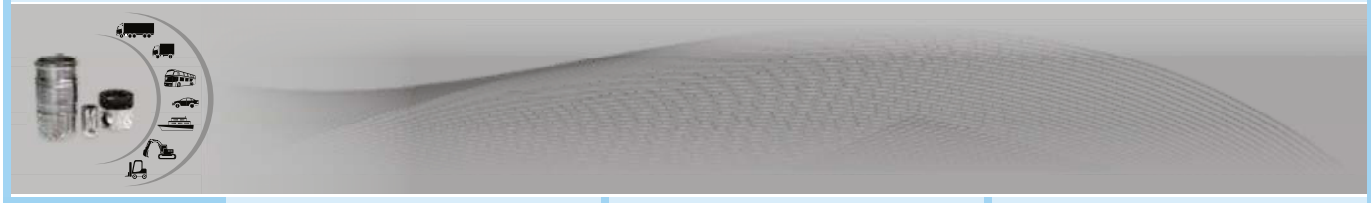
P 390 100 Std.
PR 390 105

P 390 105 Std.
PR 390 105





01	02	03
Motor 188 D **Vehicle** Crawler Tractor 310E, 310F, 310G, 350, 450 Loader W3, W5A, 480C, 580C, 1845 Whell Tractor 630 Combine 600, 660 Whell Tractor 430, 440, 441, 470, 480, 530, 570, 580B Windrower 1150, 1155, 1255,	**Motor A-401D** **Vehicle** Tractor 1150, Wheel Loader W10, Wheel Tractor 930-940	**Motor A-301 BD, A-451 BD** **Vehicle** Crawler Tractor 850, 1150 B, 1150 C, Wheel Loader W7E, 680 CK, Series C, Wheel Tractor 1070, 1090, 1200,
		
Ø 96.838 mm. 96P05 Cyl 61.00 4 -1.65 -13.75 108.70 96.838 CSY Combustion Bowl 63.00	**Ø 104.78 mm.** 104P29 Cyl. 73.025 6 133.350 CSY	**Ø 111.12 mm.** 111P01 Cyl. 73.508 4/6 -1.20 -23.50 134.112 CSY
		
31.75 80.50	34.51 86.30	38.10 93.00
		
3.16 2.38 4.76	2.381 2.381 2.381 6.350	2.381 2.381 6.350
			
A = 109.474 C = 113.233 H = 6.274 F = 0.965 L = 187.325	A = 109.601 C = 115.240 H = 6.274 F = 0.965 L = 187.325	A = 120.650 C = 126.924 L = 248.444 H +F=6.4+0.75	A = 124.96 C = 131.40 L = 259.59 H+F=6.4+1.2
			
P 395 110 Std. L 395 110 PR 395 110 K 395 110	L 395 111	P 395 100 Std. L 395 100 PR 395 100 K 395 100	P 395 105 Std. L 395 105 PR 395 105 K 395 105



C

CASE



Motor A-301BD **04**
Wheel Loaders- W7e, 680ck
Wheel Tractor - 680ckc
Crawler Tractors - 850 s/n 7073470-up
A - 451bd
Wheel Tractor - 1070, 1090, 1200
Crawler Tractors - 1150b, 1150c

05

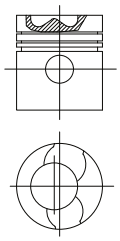
ENGINE **06**
A-504BD NATURALLY ASPIRATED DIESEL
WHEEL TRACTORS - 1370,147031570,2290,2390,2470,2590,4490
WHEEL LOADERS - W-24, W-24B, W-26B, W36
EXCAVATOR - 980B
CRALER TRACTOR - 1450
CONCRETE PLACERS - T80, TB 80, P504



Ø 111,125 mm.
111P02

Cyl 73.42
-23.0
-1.2
134.0

CSY

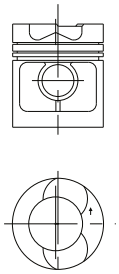


Combustion Bowl 62.10

Ø 117.475 mm.
117P01

Cyl 4/6 73.30
-1.33
-20.60
133.80

CSY
KMP

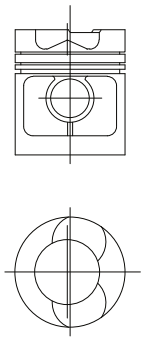


Combustion Bowl 68.00

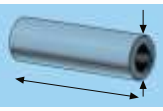
Ø 117.475 mm.
117P02

Cyl 73.25
-20.7
-1.3
133.6

CSY
KMP



Combustion Bowl 68.30



38.1
93.5

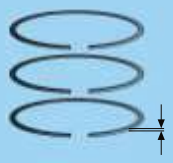


41.27
93.00

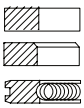


41.275
93.3

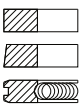




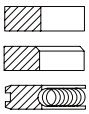
2.385
2.385
6.335



2.385
2.385
4.747

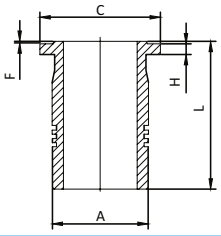


2.385
2.385
4.747





A= 128.69
C= 137.54
H= 6.40
F= 0.93
L= 260.26

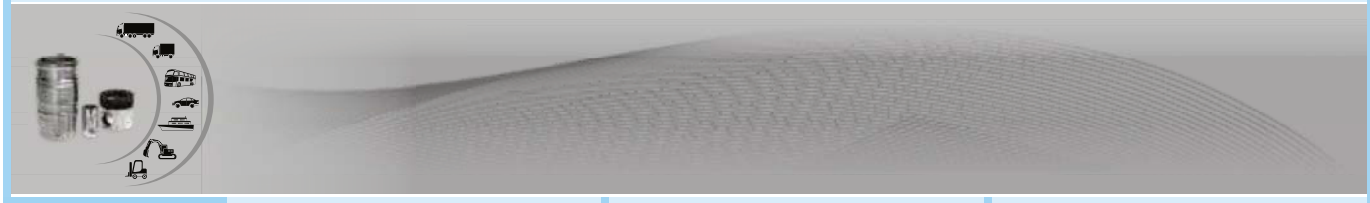




P 395 120 Std
PR 395 120

P 395 115 Std.
PR 395 115

P 395 135 Std
L 395 135
PR 395 135
K 395 135

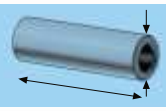




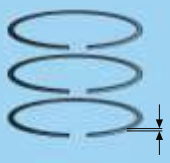
01	02	03
Motor 1160 from serial no. 95B1 UP 95 B5 10+0 95 B5 785 **Motor 3160** from serial no. 98M1UP, 67P1 UP, 68P1 UP **Motor 3208** UP, 79V1 UP **Vehicle**Scraper & Two Wheel Loader 613, Excavator 225	**dto, 3 Ring**	**Motor 3204** from serial no. 45V1 UP



Ø 114.30 mm. 114P11	**Ø 114.30 mm.** 114P12	**Ø 114.30 mm.** 114P13
Cyl. 58.93 8 -20.93 93.23	Cyl. 58.93 8 -20.93 93.23	Cyl. 58.90 4 -4.60 -11.80 93.20
CSY	CSY	CSY
Combustion Bowl 63.50	Combustion Bowl 63.50	



38.10 81.40	38.10 81.40	38.10 81.40



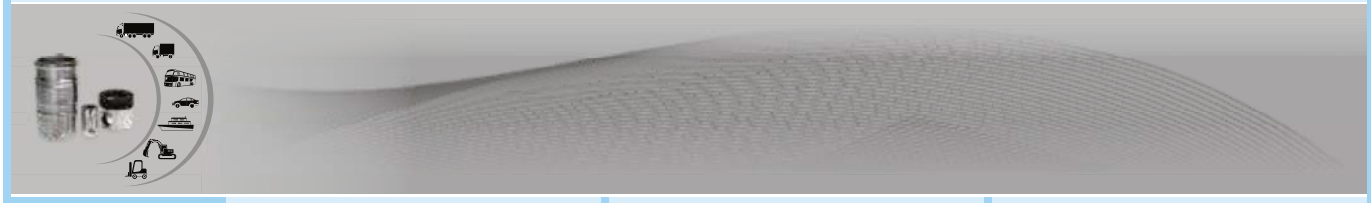
3.16 Mo 2.77 Cr	2.385 Mo 2.385 4.747 Cr	3.16 Mo 2.778 Cr



A = 119.14 L = 196.85	A = 119.14 L = 196.85	



P 400 100 Std. P 400 100 020 P 400 100 040 L 400 100 PR 400 100 K 400 100	P 400 105 Std. P 400 105 020 P 400 105 030 P 400 105 040 L 400 105 PR 400 105 K 400 105	P 400 110 Std. P 400 110 020 P 400 110 040 P 400 110 PR 400 110





Motor D 330 A from serial no. 56B1 to 56B2971, 57B1 to 57B527, 85B1 UP, 86B1 UP
Motor D 330 B form serial no. 98B1 UP, 99B1 UP, 37F1 UP,
Vehicle Crawler Dozer D 4 C, D 4 D, D 5,Track Type Loader 951, 951 B, 955 F, 955 H,955 K, Wheel Type Loader 922 B, 944 A, 950, Motor Grader 112, 112 E, 112 F,
Motor 1673 from serial no. 70B1 to 70B2299, 74B1 UP, 1L1 to 1L494
Motor D 333 from serial no. 87B1 UP, 88B1 UP,
Motor D 333 A from serial no. 58B1 to 58B4556, 59B1 to 59B989
Vehicle Crawler Dozer D 5, D 6 B, D 6 C, D 7 F, Track Type Loader 977 H, 977 K, Wheel Type Loader 966 A, 966 B, Pipelayer 561 B, 561 C, Motor Grader 12 E, 12 F, 14 D, 14 E.

04

Diesel- Motor
Vehicle 3208 IND. 3208 Truck 3208 Marin 3208

05

Motor D 330 C
from serial no. 4B1 to 4B4554,5B1 to 5B1008
Motor 3304
from serial no. 4B4555 UP, 5B1009 UP
Motor D 333 C
from serial no. 66D1 UP, 67D1 UP, 62U1 UP
Motor 1673
from serial no. 69D1 UP 76R1 UP
Motor 3306
from serial no. 66D8891 UP, 67D1103 UP, 69D1 UP, 3N1 UP, 76R273 UP, 44V1 UP, 47V1 UP, 49V1 UP
Vehicle Crawler Dozer D 7 F, Wheel Type Loader 980 B,Pipelayer 571 F, 572 F, Scraper & Two Wheel Loader 627, 637 Motor Grader 14 D

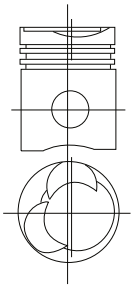
06



Ø 114.30 mm.
114P14

Cyl. 95.50
4/6 -6.40
-12.50
139.70

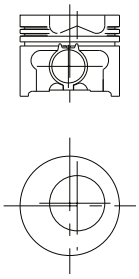
CSY



Ø 114.30 mm.
114P15

Cyl. 58.877
8 -21.031
93.218

CSY

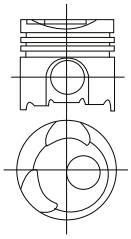


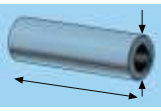
Combustion Bowl 63.50

Ø 120.65 mm.
120P19

Cyl. 73.90
4/6 -6.67
-7.25
-14.20
115.05

DSY





38.10
94.80

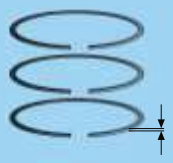


38.10
81.40

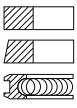


43.18
95.90

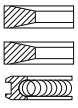




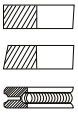
3.160 Cr
2.385 Cr
5.547



3.175
3.175
2.776

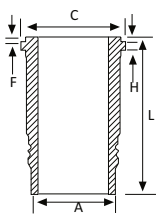


3.16 Cr
2.385 Cr
5.54 Cr

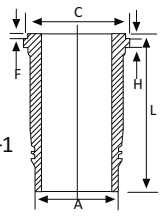




A = 131.8
C = 139.3
L = 264
H +F=10.2+1



A = 134.4
C = 143
L = 255
H +F=10.28+1

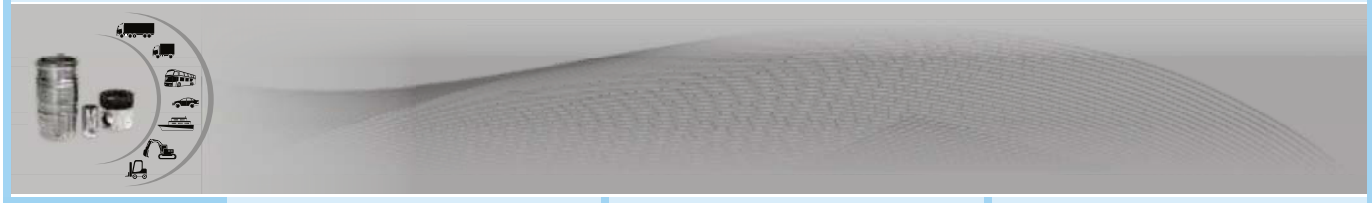




P 400 115 Std.
L 400 115
PR 400 115
K 400 115

P 400 185 Std.
PR 400 185

P 400 140 Std.
L 400 140
PR 400 140
K 400 140





Motor 3304 **07**
from serial no. 78P1 UP, 48V1 UP,
VehicleTrack Type Loader 955 K, 955 L, Wheel Type Loader 950, Skidder 518,
Motor 3306
from serial no. 3N1 UP, 44V1 UP, 47V1 UP, 49V1 UP,
VehicleCrawler Dozer D 6 C, D 7 F, Track Type Loader 977 K, 977 L, Wheel Loader 966 C, Compactor & Wheel Tractor 814, 815, 816, Skidder 528, Pipelayer 571 F, 572 F, Motor Grader 14 E, 140

Motor D 3306 **08**

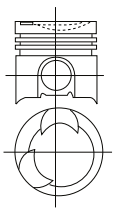
Motor 3408 **09**
from serial no. 67U1 UP, 99U1 UP, 28V1 UP
Motor 3412
from serial no. 60M1 UP, 38S1 UP,
VehicleCrawler Dozer D 7, D 8 L, D 9 L,



Ø 120.65 mm.
120P20

Cyl.	73.90
4/6	-6.67
	-7.25
	-14.20
	115.05

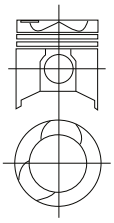
DSY
YPO
KMP



Ø 120.65 mm.
120P21

Cyl.	73.90
6	-2.10
	-19.80
	129.90

DSY
KMP

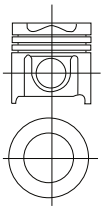


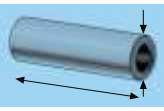
Combustion Bowl 85.09

Ø 137.16 mm.
137P03

Cyl.	88.00
8/12	-16.00
	137.50

DSY





38.12
94.80

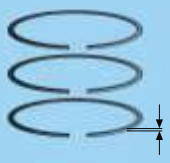


43.18
94.90

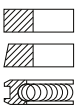


50.80
111.90

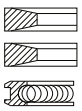




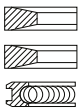
3.16 Cr
2.385 Cr
5.54 Cr



3.12 Cr
3.12 Cr
3.16 Cr

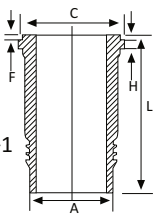


3.965 Mo
3.11 Cr
3.15 Cr

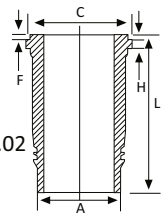




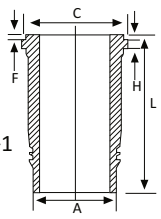
A = 134.4
C = 143
L = 255
H +F=10.28+1



A = 134.35
C = 142.87
L = 253.88
H + F=10.28+1.02



A = 150.7
C = 165.2
L = 274
H + F = 8.88+1

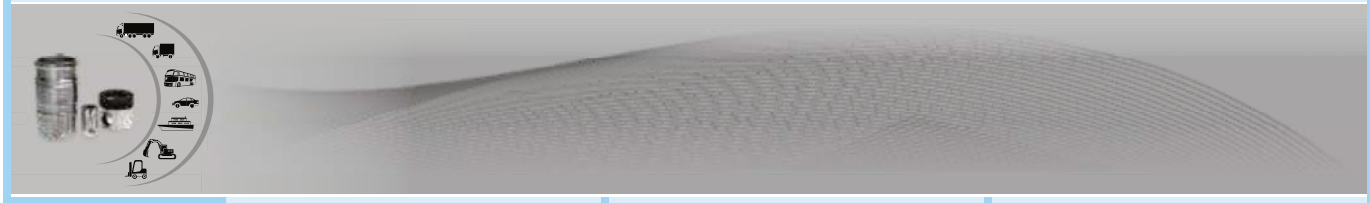




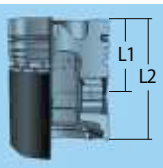
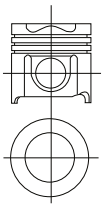
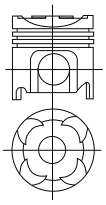
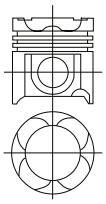
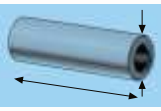
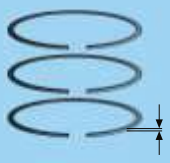
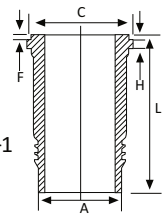
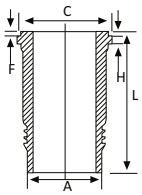
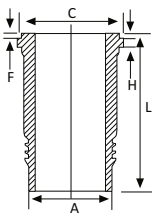
P 400 135 Std.
L 400 135
PR 400 135
K 400 135

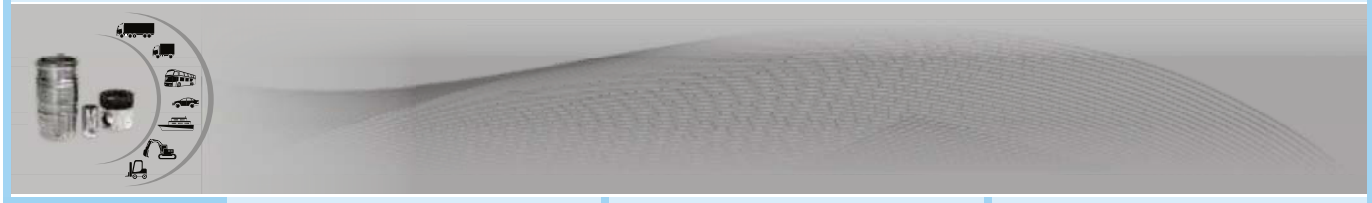
P 400 125 Std.
L 400 125
PR 400 125
K 400 125

P 400 145 Std.
L 400 145
PR 400 145
K 400 145





	10	11	12
	Motor 3406 from serial no. 90U1 UP, 91U1 UP, 92 U1 UP, 75Z1 UP **Vehicle** Track Type Loader 983 B, Wheel Type Loader 980 C, Compactor & Wheel Tractor 824 C, 825 C, 826 C, Motor Grader 16 G	**Motor 3406** from serial no. 90U1 UP, 91U1 UP, 92U1 UP, 70V1 UP **Vehicle** Scraper & Two Wheel Loader 623 B, Excavator 245, **Motor 3408** from serial no. 67U1 UP, 99U1 to 99U906, 28V1 to 28V815, 48W1 to 48W3245 **Vehicle** Wheel Type Loader 988 B, Scraper & Two Wheel Loader 631 D, 633 D, 637 D, 639 D **Motor 3412** from serial no. 60M1 to 60M388, 3851 UP	**Motor 3408** from serial no. 65U1 UP, 99U1 UP, 28V1 UP, **Motor 3412** from serial no. 60M1 UP, 38S1 UP
  	**Ø 137.16 mm.** 137P04 Cyl. 88.00 6 -17.80 137.50 DSY 	**Ø 137.16 mm.** 137P05 Cyl. 90.00 6/8/12 -2.00 -16.50 139.50 CSY 	**Ø 137.16 mm.** 137P06 Cyl. 90.00 8/12 -2.00 -18.50 139.50 CSY 
	50.80 111.90 	50.80 100.70 	50.80 114.90 
	3.965 Mo  3.11 Cr  3.15 Cr 	3.16 Cr  3.16 Cr  3.16 Cr 	3.16 Cr  3.16 Cr  3.16 Cr 
	A = 153.65 C = 165.20 L = 274.50 H + F = 8.88+1 	A = 153.65 C = 165.20 L = 274 H + F = 8.88+1 A = 153.65 C = 165.20 L = 274.50 H + F = 8.88+1 	A = 153.65 C = 165.2 L = 274 H + F = 8.88+1 A = 153.65 C = 165.2 L = 274.5 H + F = 8.88+1 
	P 400 150 Std. L 400 150 PR 400 150 K 400 150	P 400 155 Std. L 400 155 L 400 156 PR 400 155 K 400 155	P 400 160 Std. L 400 160 L 400 161 PR 400 160 K 400 160





Motor D 343 **13**
from serial no.
62B1 UP, 52K2782 UP
Motor D 343 A
from serial no. 33B1 UP
Vehicle Wheel Type Loader 988, Off Highway Truck 768 B, 769, 769 B, Compactor & Wheel Loader 630 A, 827 B, 825 B, 826 B, 830 M, 834, 835, Scraper & Two Wheel Loader 630 A, 630 B, 631 A, 631 B, 631 C, 632, 633, 633 C, 637, 641, 650, 651, 657, 657 B, 660, 666
Motor 1693
from serial no. 65B1 UP, 27U1 to 27U605
Motor 3304
from serial no. 78P1 UP,

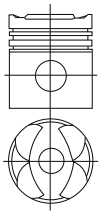
Motor D 346 **14**
from serial no. 39J1 UP, 40J1 UP, 57K1 UP, 98N1 UP, 73X925 UP,
Vehicle Off Highway Truck 773, 779 Compactor & Wheel Tractor 772, Scraper & Wheel Tractor 641 B, 650 B, 651 B, 657 B
Motor D 348
from serial no. 36J1 UP, 38J1 UP, 98S1 UP,
Vehicle Wheel Type Loader 992
Motor D 349
from serial no. 61P1 UP, 62P1 UP, 32R1 UP

Motor D 339, D342C, D342T, D13000, D364, D375, D375D, D386, D397, D397D **15**



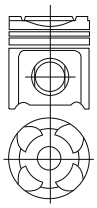
Ø 137.16 mm.
137P07

Cyl.	104.47
6	-5.62
	-5.72
	157.30
DSY	



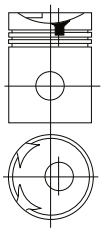
Ø 137.16 mm.
137P08

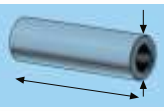
Cyl.	104.50
8/12/16	-5.30
	-5.90
	-19.20
	157.40
CSY	



Ø 146.05 mm.
146P01

Cyl.	131.76
6	-6.90
	-21.70
	208.00
CSY	





50.80
114.90

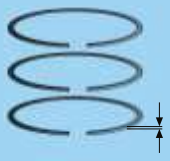


50.80
109.00

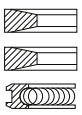


60.703
120.00

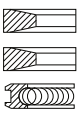




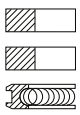
3.16 Cr
3.16 Cr
3.16 Cr



2.385 Cr
2.385 Cr
6.335 Cr

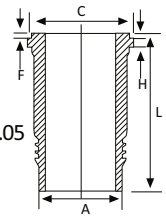


4.763
2.381
6.35

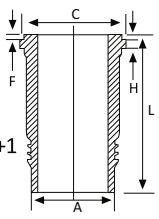




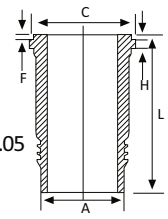
A = 155.5
C = 165.2
L = 305.2
H + F = 13.3+1.05



A = 155.50
C = 165.20
L = 305.20
H + F=13.3+1



A = 168.656
C = 177.419
L = 381
H + F=12.67+1.05

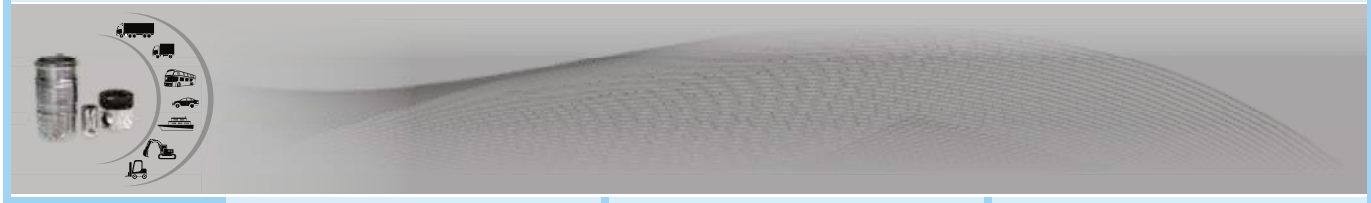




P 400 165 Std.
L 400 165
PR 400 165
K 400 165

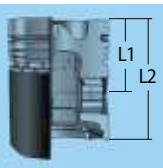
P 400 170 Std.
L 400 170
PR 400 170
K 400 170

P 400 175 Std.
L 400 175
PR 400 175
K 400 175





Motor D 342 **16**
from serial no: 17V2854 UP,
50V1493 UP,

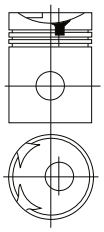


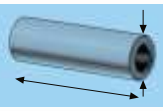
Ø 146.05 mm.
146P02

Cyl.	131.76
6	-6.70
	-21.70
	208.00



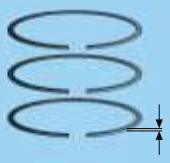
CSY



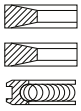


60.703
120.00



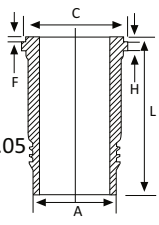


3.969
3.969
6.350



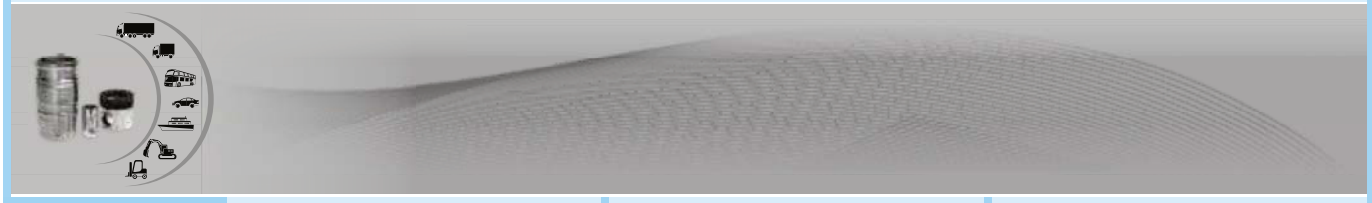


A = 168.656
C = 177.419
L = 381
H + F=12.67+1.05

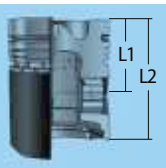
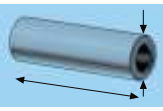
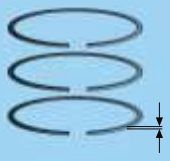


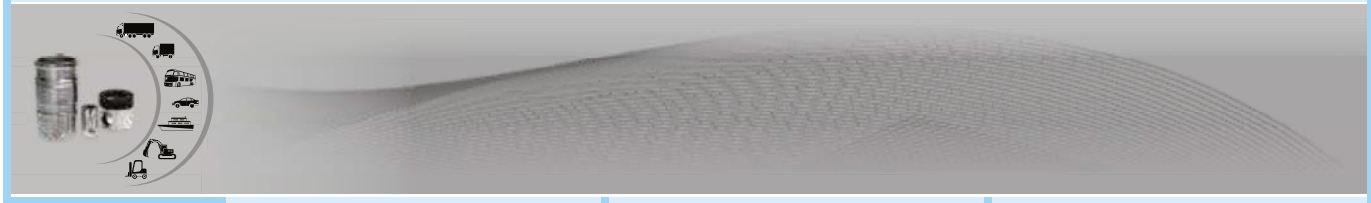


P 400 180 Std.
L 400 180
PR 400 180
K 400 180

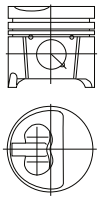
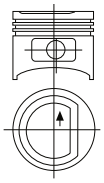
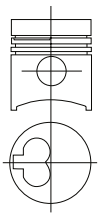
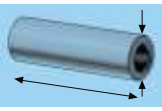
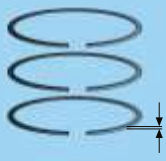
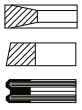
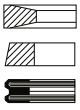
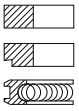
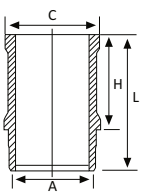
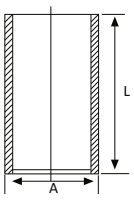


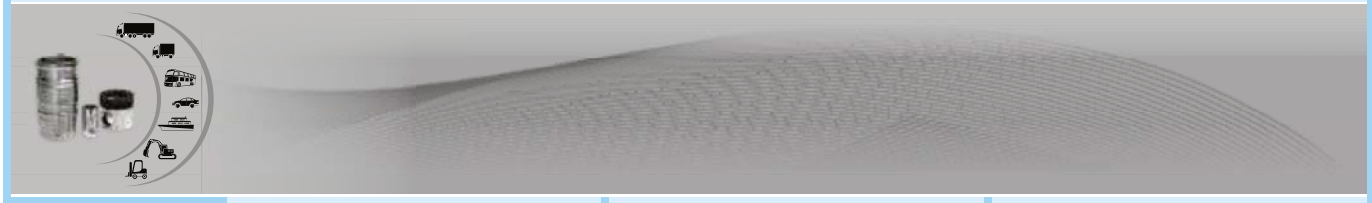


	01	02	03
	Motor M 28 3 CV Aircooled **Motor 2 CV AZ 6 Aircooled** **Vehicle**Acadiane. AYB/AYCB 09.68 **Ami 6.AM2/AMB2**	**Motor 161 A (XUD 7)** 1769 ccm, 44 kW, (60 PS), 23:1 **Vehicle**Vise 17 D, BX 17 RD, C 15 D, BXD, Visa Diesel TRD. Vise RD-17 D, Enterprise C 15 D, 1984-	**Motor 162 (XUD 9)** 1905 ccm, 47-52 kW, (64-71 PS), 23.5:1 **Vehicle**BX 19 D, 1983-
	**Ø 74.00 mm.** 74P02 Cyl. 34.90 2 +-11.20 77.40 DSP TÇP	**Ø 80.00 mm.** 80P02 Cyl. 46.80 4 -2.00 84.50	**Ø 83.00 mm.** 83P02 Cyl. 46.80 4 -2.20 84.30
	20.00 63.80	25.00 69.80	25.00 72.00
	1.75 2.00 3.50	2 Cr 2 3 Cr	2 Cr 2 3 Cr
		A = 83 C = 86 L = 154 H = 4.5	A = 86 L = 153.5
	P 405 140 Std. P 405 140 0.50 PR 405 140	P 405 100 Std. P 405 100 0.50 P 405 100 0.80 L 405 100 PR 405 100 K 405 100	P 405 120 Std. P 405 120 0.50 P 405 120 0.80 L 405 120 PR 405 120 K 405 120





	04	05	06
	Motor XUD 9 TE 1905 ccm, 68 kW, (92 PS), 21,8:1 **Vehicle** ZX Turbo Diesel, BX Turbo Diesel XANTIA Turbo Diesel	**Motor 171 BZ/C (XU 5S)** 1580 ccm, 59/68/69/ kW, (80/92.5/94 PS), 9.3/9.5:1 **Vehicle** BX 15, BX 16, 1984-	**Motor 1B 22.615** 2175 ccm, 44.5 kW, (61.5 PS), 22.5:1 **Vehicle** C32, C35, 1974 **Motor M 22/621** 2175 ccm, 48.5 kW, (66 PS), 22.25:1 **Vehicle** CX 2200 Diesel, 10.1975-1978
	**Ø 83.00 mm.** 83P03 Cyl. 46.80 4 -2.20 -3.50 79.30 CSY YPO 	**Ø 83.00 mm.** 83P04 Cyl. 37.50 4 -2.10 67.50 	**Ø 90.00 mm.** 90P01 Cyl. 56.00 4 -2.95 -4.90 95.00 
	28.00 68.00 	22.00 66.20 	30.00 78.00 
	3.5 Mo 2.0 Mo 3.0 Cr 	1.75 Cr 1.75 4.00 Cr 	2.00 Mo 2.00 4.00 Cr 
		A = 88.60 C = 97.00 L = 141.00 H = 95.18 	A = 94.06 L = 165.00 
	P 405 135 Std. PR 405 135	P 405 115 Std. L 405 115 PR 405 115 K 405 115	P 405 125 Std. P 405 125 0.50 P 405 125 0.80 L 405 125 PR 405 125 K 405 125



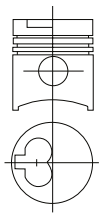


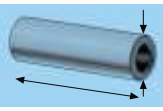
Motor CRD 93, M 22/629, **07**
M 25/629/660/661
2499 ccm, 55 kW (75 PS), 22.25:1
Vehicle CX 25 D, C 35 RD, 02.1978



Ø 93.015 mm.
93P10

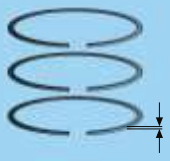
Cyl.	52.75
4	-5.45
	-7.40
	95.00



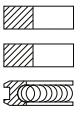


30.00
78.00



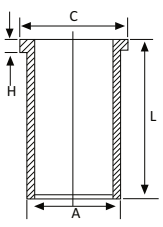


2.50 Mo
2.00 Mo
4.00 Cr



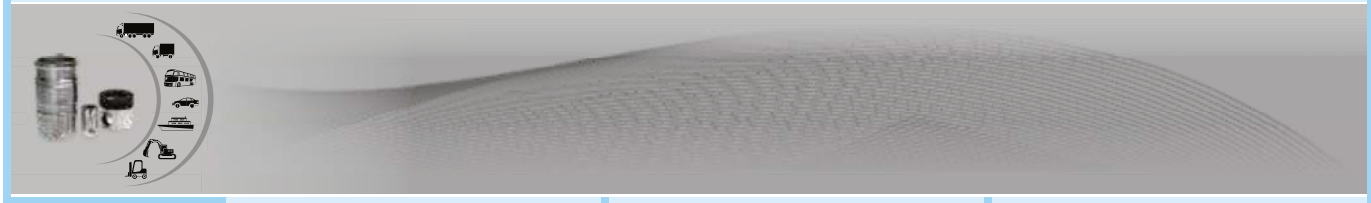


A = 97.5
C = 99.0
L = 163
H = 5



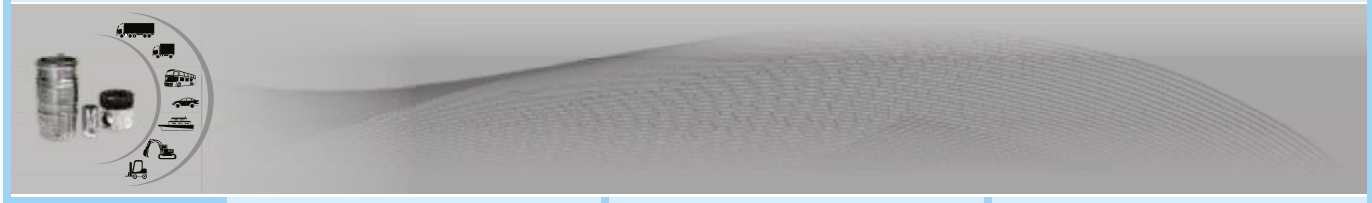


P 405 130 Std.
P 405 130 0.25
P 405 130 0.50
P 405 130 0.75
P 405 130 1.00
L 405 130
PR 405 130
K 405 130



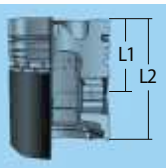


01	Motor OEM-3907156 02	Diesel Motor 03 6BTA 5.9 5800 ccm OEM 3802561
Ø 102.00 mm. 102P01 Cyl. 71.56 6 -17.40 105.36 CSY KMP Combustion Bowl 64.00	**Ø 102.00 mm.** 102P02 Cyl 71.56 6 -17.40 105.36 CSY KMP Combustion Bowl 64.00	**Ø 102.00 mm.** 102P03 Cyl. 71.56 6 -22.00 105.50 CSY KMP Combustion Bowl 51.40
40.00 75.60	40.00 75.60	40.00 82.90
3.00 2.35 4.00	3.00 2.35 4.00	3.00 2.35 4.00
	A = 104.623 L = 200.279	A = 104.623 L = 200.279
P 410 120 Std. P 410 120 0.50 PR 410 120	P 410 125 Std. P 410 125 0.50 P 410 125 1.00 L 410 125 PR 410 125 K 410 125	P 410 130 Std. P 410 130 0.50 P 410 130 1.00 L 410 130 PR 410 130 K 410 130





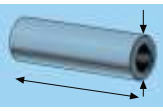
04	05	06
Diesel Motor 4 BT 3.9 3920 ccm 78 kW (105 PS) 17.5:1 **Vehicle** Kamyon Fatih **Diesel Motor** 6 BT 5.9 5880 ccm 121 kW (145-162 PS) 17.5:1 **Vehicle** Kamyon Fatih 170-25	**Diesel Motor** 6 BT OEM 3802421 OEM 3802461	**Diesel Motor** 6 BT 5.9



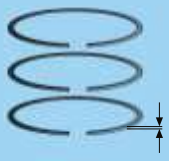




04	05	06
Ø 102.00 mm. 102P04	**Ø 102.00 mm.** 102P05	**Ø 102.00 mm.** 102P06
Cyl. 71.56 6 -19.70 105.36	Cyl. 71.56 6 -22.20 105.50	Cyl. 71.56 6 -19.30 105.36
CSY	CSY KMP	KMP
Combustion Bowl 52.00	Combustion Bowl 52.00	Combustion Bowl 59.00



04	05	06
40.00 82.90	40.00 82.90	40.00 75.60



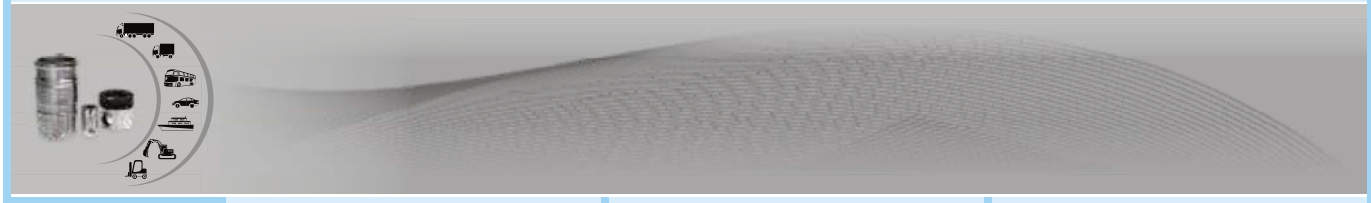
04	05	06
3.00 2.35 4.00	3.00 2.35 4.00	2.385 2.385 4.00



04	05	06
A = 104.623 L = 200.279	A = 104.623 L = 200.279	A = 104.623 L = 200.279



04	05	06
P 410 135 Std. P 410 135 0.50 P 410 135 1.00 L 410 135 PR 410 135 K 410 135	P 410 140 Std. P 410 140 0.50 P 410 140 1.00 L 410 140 PR 410 140 K 410 140	P 410 145 Std. P 410 145 0.50 P 410 145 1.00 L 410 145 PR 410 145 K 410 145



C

CUMMINS



Diesel Motor **07**
6 BTA 5.9 5880 ccm 144 kW
(193 PS) 16.5:1
Vehicle 200-26

Motor Diesel 4 BT 3.9 **08**
3920 ccm 78 kw (105 PS),
17.5:1, 120 mm
Vehicle Truck 110-08
Motor Diesel 6 BT 5.9
5880 ccm 121 kw (145/162 PS),
Vehicle Kamyon Fatih 170-25

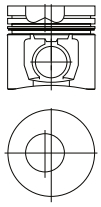
Diesel Motor 4BT 3.9 **09**
3920 ccm, 78 kW, (105 PS), 17,5:1
Vehicle Midibüs 29+1 Belde
Kamyon 110-08
Diesel Motor 6BT 5.9
5880 ccm, 121 kW, (145-162 PS),
Vehicle Fatih 170-25



Ø 102.00 mm.
102P07

Cyl.	71.56
6	-17.70
	105.36

CSY

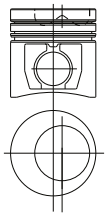


Combustion Bowl 59.15

Ø 102.00 mm.
102P08

Cyl.	71.56
4/6	-17.80
	105.36

CSY

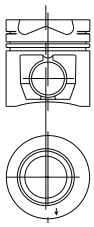


Combustion Bowl 59.00

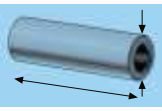
Ø 102.00 mm.
102P09

Cyl	71.54
6	-17.89
	105.38

CSY



Combustion Bowl 63.50



40.00
75.60

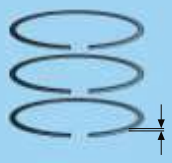


40.00
75.60

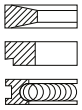


40.00
75,60

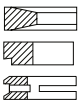




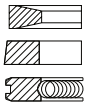
3.00
2.35
4.00



3.00
2.35
4.00

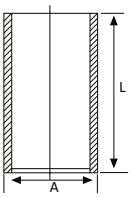


3,00
2.38
4.00





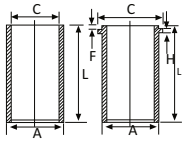
A = 104.623
L = 200.279



A = 104.565
C = 102.00
L = 200.00

A = 105.065
C = 102.00
L = 200.00

A = 105.565
C = 102.00
L = 200.00



A = 106.07
C = 109.00
L = 204.80
H+F=4.05+0.8

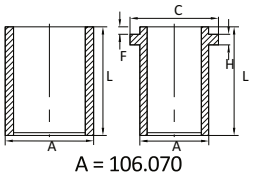
A = 106.50
C = 109.50
L = 204.80
H+F=5.05+0.8

A = 107.07
C = 110.00
L = 204.80
H+F=5.05+0.8

A = 104.565
L = 200.00

A = 105.065
L = 200.00

A = 104.565
L = 200.00



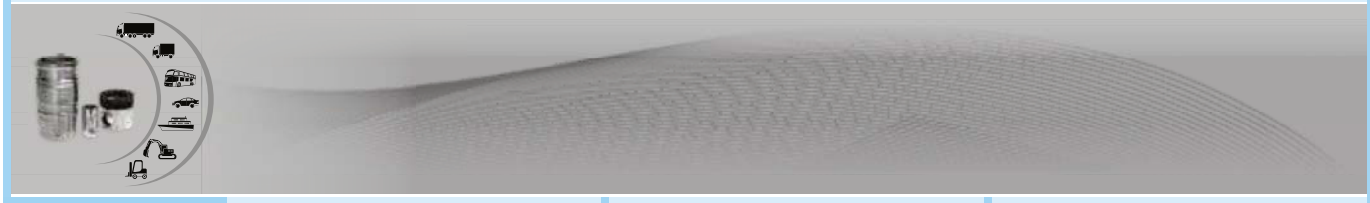
A = 106.070
C = 109.00
L = 204.800
H + F= 4.05 + 0.800



P 410 150 Std.
P 410 150 0.50
P 410 150 1.00
L 410 150
PR 410 150
K 410 150

P 410 155 Std.
L 410 155
L 410 156
L 410 157
PR 410 155
K 410 155
L 410 158
L 410 159
L 410 155-1

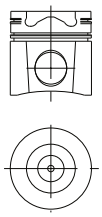
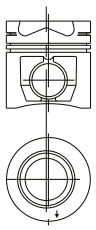
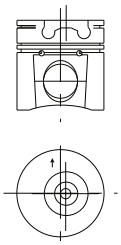
P 410 185 Std.
P 410 185 0,50
L 410 185
L 410 186
L 410 187
PR 410 185
K 410 185
L 410 188

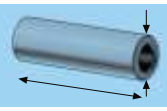




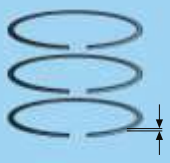
10	11	**Diesel Motor 6BTA 5.9** 5800 ccm, 12

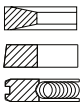
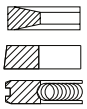
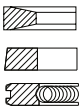


Ø 102.00 mm. 102P10	**Ø 102.00 mm.** 102P11	**Ø 102.00 mm.** 102P12
Cyl 4/6 71.50 -18.80 105.40	Cyl 4/6 71.56 -16.60 105.36	Cyl 6 71.56 -22.10 105.40
CSY KMP 	CSY 	CSY KMP 
Combustion Bowl 61.30	Combustion Bowl 60.00	Combustion Bowl 51.30

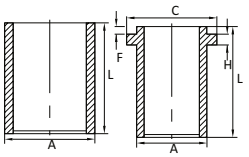


40.00 82.90 	40.00 75,60 	40.00 82.90 



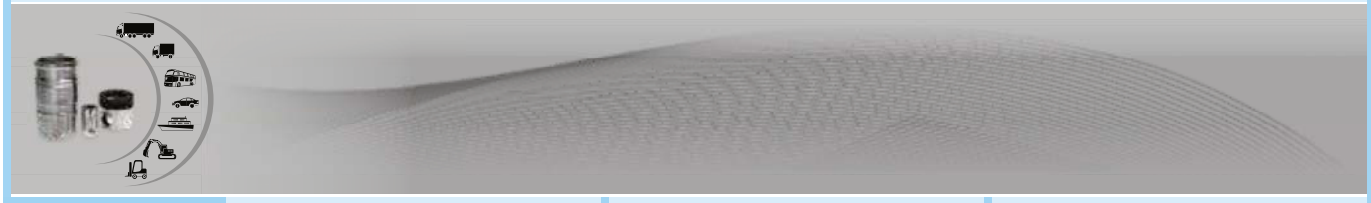
3,00 2.385 4.00 	3,00 2.35 4.00 	3,00 2.35 4.00 



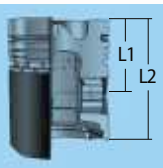
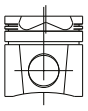
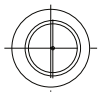
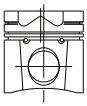
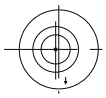
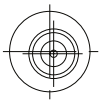
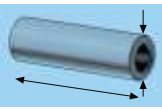
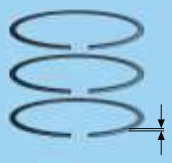
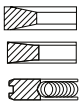
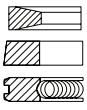
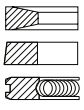
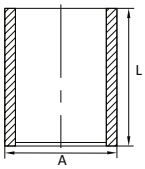
		A = 104.565 L = 200.00 A = 105.565 L = 200.00 A = 105.065 L = 200.00  A = 106.07 C = 109.00 L = 204.80 H + F= 4.05 + 0.80

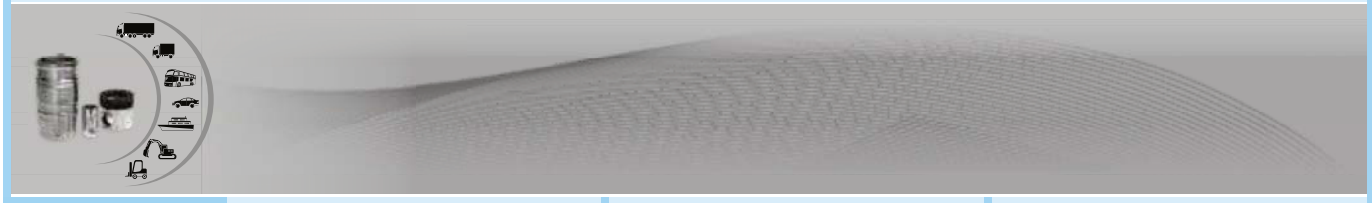


P 410 190 Std. PR 410 190	P 410 200 Std. PR 410 200	P 410 210 Std. P 410 210 0.50 P 410 210 1.00 L 410 210 L 410 211 L 410 212 PR 410 210 K 410 210 L 410 213



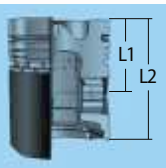


13	Motor 382.9 Motor 483.9 , 4- 390 Motor 685.9 , 6- 590 14	15
  	**Ø 102.00 mm.** 102P13 Cyl 4/6 — 71.45 / -17.95 / 105.30  DSY KMP  Combustion Bowl 64.00	**Ø 102.00 mm.** 102P14 Cyl 3/4/6 — 71.60 / -19.30 / 105.40  DSY KMP  Combustion Bowl 59.00	**Ø 111.785 mm.** 111P22 Cyl 4/6 — 75.50 / -22.30 / 113.50  CSY KMP  Combustion Bowl 58.50
	40.00 82.90 	40.00 82.90 	44.45 92.00 
	3,00 3.00 4.00 	3,00 2.35 4.00 	3,16 2.38 4.76 
		A = 104.623 L = 200.279 	
	P 410 220 Std. PR 410 220	P 410 230 Std. L 410 230 PR 410 230 K 410 230	P 410 235 Std. PR 410 235





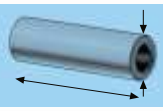
16	17	18
	Motor C90, C105, C109, C160, CF160	**Motor Diesel 6 CTAA** 8298 ccm 160 kw (214 PS) 18:1; **Vehicle** PRO 822



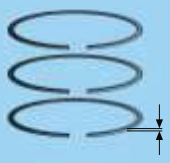




Ø 111.785 mm. 111P23	**Ø 112.713 mm.** 112P01	**Ø 114.00 mm.** 114P01
Cyl 4/6	Cyl. 4/6	Cyl. 4/6
67.75 -20.00 105.75	77.19 125.01	79.01 -24.60 120.60
CSY KMP	CSY	DSY KMP
Combustion Bowl 57.25		Combustion Bowl 58.00



41.29 94.00	38.07 -	45.00 91.00



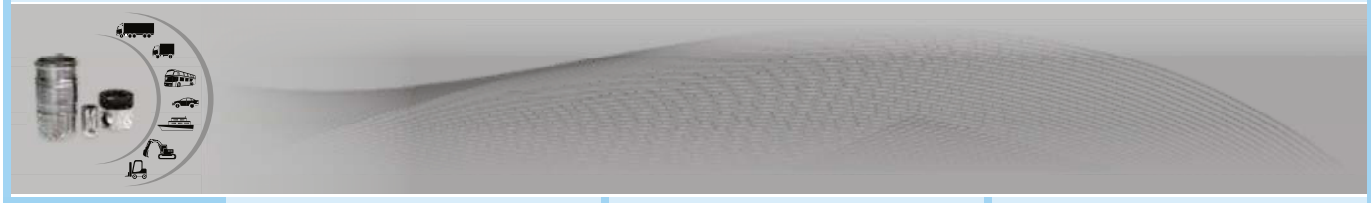
3,16 2.385 4.747	3.175 3.175 3.175 4.763	3.50 3.00 4.00



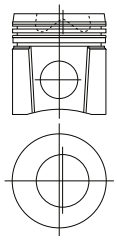
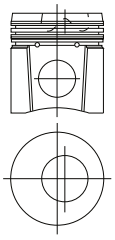
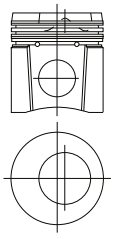
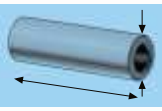
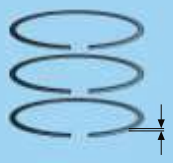
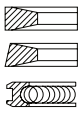
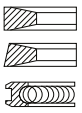
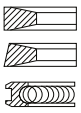
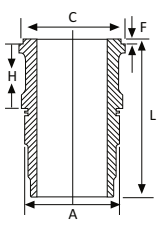
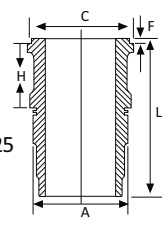
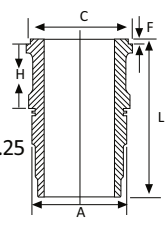
	A = 126.238 C = 131.826 L = 236.538 H + F=8+0.254	A = 125.685 C = 130.948 L = 235.37 H + F=123.05+1.25

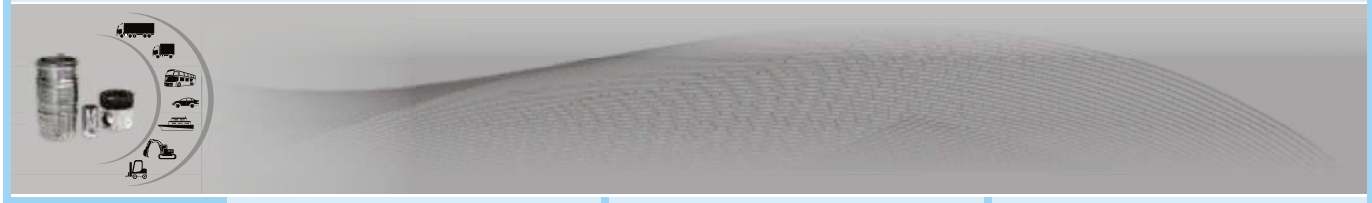


P 410 240 Std. PR 410 240	P 410 100 Std. L 410 100 PR 410 100 K 410 100	P 410 160 Std. L 410 160 PR 410 160 K 410 160





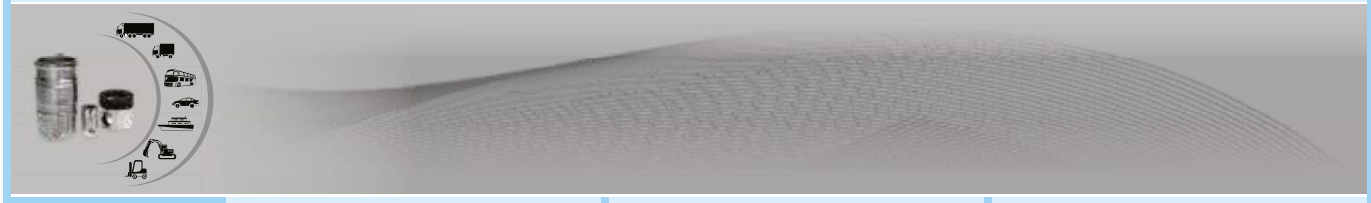
	Motor 6 CT 8.3 — 19	Motor 6 CTAA — 20	Motor 6 CTAA Euro 1 — 21
	8267 ccm 160 kw (214 PS) 17:1, 135 mm **Vehicle** Bus Belde 214-17 Truck Fatih 220-26		
	**Ø 114.00 mm.** 114P02 Cyl. 78.80 6 -21.80 120.35 DSY KMP  Combustion Bowl 63.45	**Ø 114.00 mm.** 114P03 Cyl. 78.82 6 -25.00 120.40 DSY PAK KMP  Combustion Bowl 55.60	**Ø 114.00 mm.** 114P04 Cyl. 78.75 6 -25.50 120.45 CSY  Combustion Bowl 60.50
	45.00 91.00 	45.00 91.00 	45.00 91.00 
	3.50 3.00 4.00 	3.50 3.00 4.00 	3.50 3.00 4.00 
	A = 125.685 C = 133.00 L = 237.10 H + F=123.05+1.25 A = 125.685 C = 130.948 L = 237.12 H + F=123.06+1.25 A = 125.685 C = 130.948 L = 235.37 H + F=123.05+1.25 	A = 125.685 C = 130.948 L = 235.37 H + F=123.05+1.25 	A = 125.685 C = 130.948 L = 235.37 H + F=123.05+1.25 
	P 410 165 Std. L 410 165 L 410 166 L 410 167 PR 410 165 K 410 165	P 410 170 Std. L 410 170 PR 410 170 K 410 170	P 410 175 Std. L 410 175 PR 410 175 K 410 175



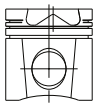
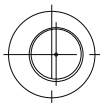
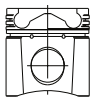
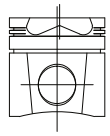
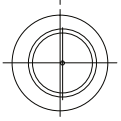
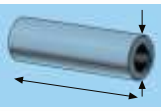
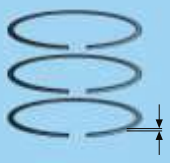
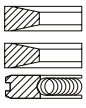
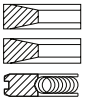
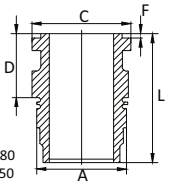


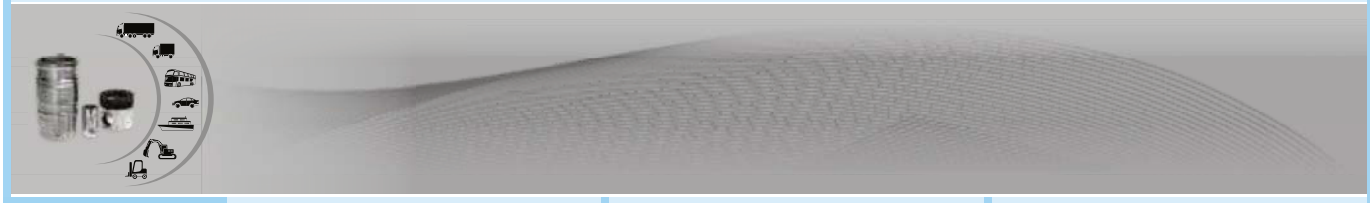
Motor 6 CT 8,3
4200 ccm, 160 kW, (214 PS), 17:1
Vehicle 214-17 Belde otobüs
220-26 Fatih kamyon

22	23	24
Ø 114.00 mm. 114P05	**Ø 114.00 mm.** 114P06	**Ø 114.00 mm.** 114P07
Cyl 6: 78.82 / -21.80 / 120.32	Cyl 3/4/6: 78.70 / -24.90 / 120.20	Cyl 3/4/6: 79.00 / -24.05 / 120.60
DSY KMP	DSY KMP	DSY PAK KMP
Combustion Bowl 63.50	Combustion Bowl 55.60	Combustion Bowl 56.60
45.00 91.00	45.00 91.00	45.00 91.00
3.50 3.00 4.00	3.50 3.00 4.00	3.50 3.00 4.00
A = 125.685 C = 133.000 F = 1.250 L = 237.100 H = 123.050 A = 125.685 C = 130.948 L = 235.37 H + F=123.05+1.25	A = 125.685 C = 130.948 F = 1.250 L = 237.120 D = 123.060	
P 410 180 Std. L 410 180 L 410 181 PR 410 180 K 410 180	P 410 205 Std. PR 410 205	P 410 215 Std. PR 410 215
L 410 182		

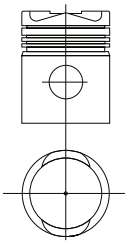
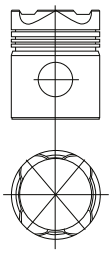
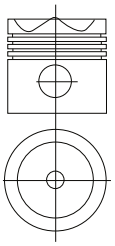
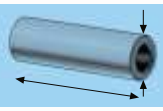
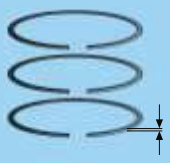
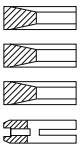
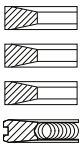
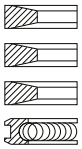
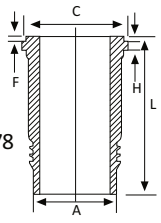
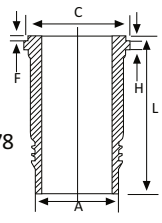


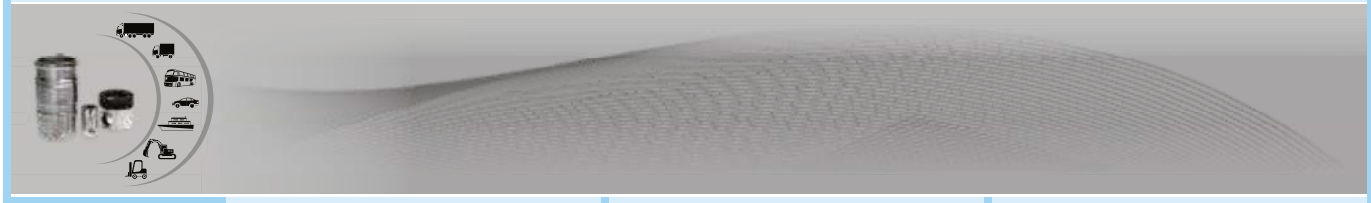


25	26	27
		
Ø 114.00 mm. 114P08 Cyl 3/4/6 78.80 -21.25 120.27  DSY KMP  Combustion Bowl 66.00	**Ø 114.00 mm.** 114P09 Cyl 6 79.02 -19.28 120.52  CSY KMP  Combustion Bowl 69.50	**Ø114.00 mm.** 114P10 Cyl 79.01 -14.44 115.50  DSY KMP  Combustion Bowl 81.00
		
45.00 91.00 	45.00 91.00 	45.00 91.00 
		
3,50 3.00 4.00 	3.50 3.00 4.00 	2.85 2.85 4.00 
		A = 125.680 C = 130.950 F = 1.250 L = 237.120 D = 123.040 A = 125.680 C = 130.950 F = 1.250 L = 234.120 D = 123.040  A = 125.680 C = 132.950 F = 1.250 L = 237.120 D = 123.040
		
P 410 225 Std. PR 410 225	P 410 245 Std. PR 410 245	P 410 250 Std. L 410 250 L 410 251 L 410 252 PR 410 250 K 410 250





	Motor H-4, H,6, H-672, H-743C, AR-7420 **28**	**Motor NHC-4, NT-4, N/NH/NT, HN-220** **29**	**Motor NT270, NT280, NT310, NT335, NT380, NT400, NT885, NTA855-370, NTA855-380. NTC290, NTC335, NTC350, NTA380, NTF365, NTCC290 NTCC335, NTCC350, NTCE335, NTCE350, NTCE365, NTFE365, NHHTC335, NHHTCC335.** **30**
	**Ø 130.175 mm.** 130P19 Cyl. 101.60 4/6 158.75 CSY 	**Ø 130.175 mm.** 130P20 Cyl. 101.93 4/6 158.75 CSY  Combustion Bowl 102.00	**Ø 139.70 mm.** 139P01 Cyl. 95.60 6 +2.25 -9.90 152.70 CSY 
	50.77 110.00 	50.77 110.00 	50.77 119.80 
	3.969 3.969 3.969 6.350 	3.969 3.969 3.969 6.350 	3.82 Cr 3.15 3.15 4.747 Cr 
	A = 146.05 C = 155.626 L = 301.752 H + F=11.151+1.778 	A = 146.05 C = 155.626 L = 301.625 H + F=11.151+1.778 	
	P 410 105 Std. L 410 105 PR 410 105 K 410 105	P 410 110 Std. L 410 110 PR 410 110 K 410 110	P 410 115 Std. PR 410 115



D

DAF



Motor DS/DSD 575, **01**
5760 ccm, 110 kW (150 PS),
97-121 kW, (132-165 PS) 16:1
Vehicle Baureihe 1600,
1800, 1900, 1960-1969
Motor DD 575,
5760 ccm, 88 kW (120 PS),16:1
Vehicle Baureihe 1600, 1963
Motor DD 575,
5760 ccm, 81 kW (110 PS), 16:1
Vehicle Baureihe 100, 900, 1100,
1975-1982

Motor DS/DSD575 **02**
5760 ccm 110 kw (150 PS DIN),
97-121 kw (132-165 PS SAE), 16:1;
Vehicle 1600, 1800, 1900, 1960 - 69
Motor DD 575,
5760 ccm, 88 kw (120 PS SAE), 16:1;
Saugmotor
Vehicle 1600, 1963
Motor DD 575,
5760 ccm, 81 kw (110 PS DIN), 16:1;
120,7mm Saugmotor
Vehicle 900, 1100, 1975-82

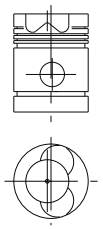
Motor DS/DSD575 **03**
5760 ccm 110 kw (150 PS DIN),
97-121 kw (132-165 PS SAE), 16:1;
Vehicle 1600, 1800, 1900, 1960 - 69
Motor DD 575,
5760 ccm, 88 kw (120 PS SAE), 16:1;
Saugmotor
Vehicle 1600, 1963
Motor DD 575,
5760 ccm, 81 kw (110 PS DIN), 16:1;
120,7mm Saugmotor
Vehicle 900, 1100, 1975-82



Ø 100.61 mm.
100P66

Cyl.	81.90
6	-2.40
	-24.80
	132.70

CSY
ESP

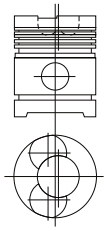


Combustion Bowl 58.10

Ø 100.61 mm.
100P67

Cyl.	73.03
6	-23.05
	-2.30
	122.07

CSY
ESP

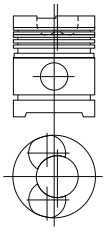


Combustion Bowl:51.00

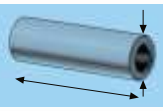
Ø 100.61 mm.
100P68

Cyl.	73.03
6	-23.05
	-2.30
	122.07

ESP



Combustion Bowl:51.00



33.026
88.00

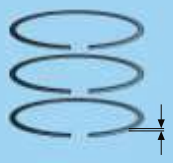


33.026
88.00

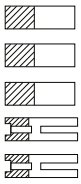


33.026
88.00

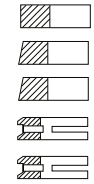




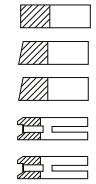
2.385 Cr
2.385
2.385
6.335
6.335



2.385 Cr
2.385
2.385
6.335
6.335



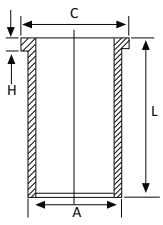
2.385 Cr
2.385
2.385
6.335
6.335





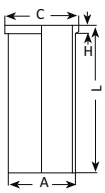
A = 105.69
C = 115.20
L = 238.80
H = 12.74

A = 105.925
C = 115.191
L = 238.8
H = 12.71



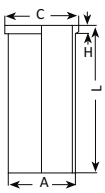
A = 105.69
C = 115.19
L = 239.00
H = 12.71

A = 105.925
C = 115.191
L = 238.80
H = 12.71



A = 105.69
C = 115.19
L = 239.00
H = 12.71

A = 105.925
C = 115.191
L = 238.80
H = 12.71

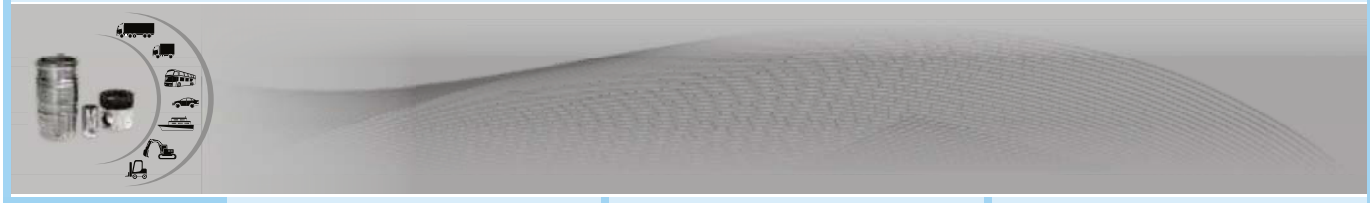




P 415 115 Std.
L 415 115
L 415 116
PR 415 115
K 415 115

P 415 135 Std.
L 415 135
L 415 136
PR 415 135
K 415 135

P 415 160 Std.
L 415 160
L 415 161
PR 415 160
K 415 160

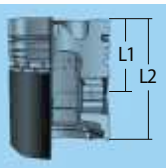




Motor DF 615 **04**
6170 ccm,92.5/95.5
kW (126/130 PS) 16:1. Saugmotor
Vehicle Baureihe 900, 1100, 1200, 1400 1600, 1966-83
Motor DT/DTD 615,
6170 ccm,101-123.5 kW (137-168 PS), 16:1;120 mm
Vehicle Baureihe 900, 1100, 1300, 1500 1600, 1690, 1800, 1970

Motor DNS 620 **05**
6239 ccm 156 kw,
212 PS 15:1; 122 mm
Motor DNT 620
6239 ccm 112 kw, 180 PS 15:1;
Vehicle Series 1100 1986-09.1990, Series 1300 1986-1990, Series 1700 1986-09.1990, Series 1900 1986-09.1990, Series FA 1300 NT 10.1990-03.1993, Seri FA 1700 NT 10.1990-03.1993

06

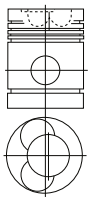






Ø 104.18 mm.
104P14

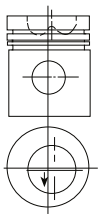
Cyl.	81.92
4	-2.30
	-24.84
	132.72
CSY	
ESP	



Combustion Bowl 60.20

Ø 104.18 mm.
104P15

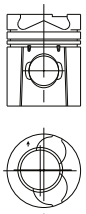
Cyl.	80.00
6	-23.50
	130.00
CSY	
PSP	



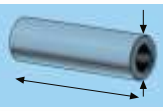
Combustion Bowl 60.00

Ø 104.18 mm.
104P16

Cyl	80.00
6	-0.85
	-1.05
	-21.35
	130.00
CSY	
PSP	



Combustion Bowl 56.00



38.00
88.00

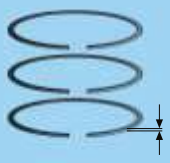


42.00
87.50

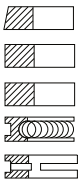


42.00
87.50

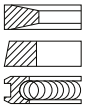




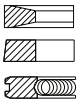
2.5 Cr
2.5
2.5
6.0
6.0



3.00 Cr
2.50 Cr
4.00 Cr

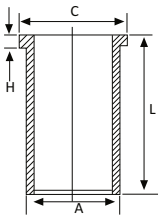


3.00
2.50
4.00

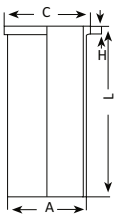




A = 109.01
C = 117.00
L = 239
H = 8.09



A = 109.01
C = 117.00
L = 239.00
H = 8.10

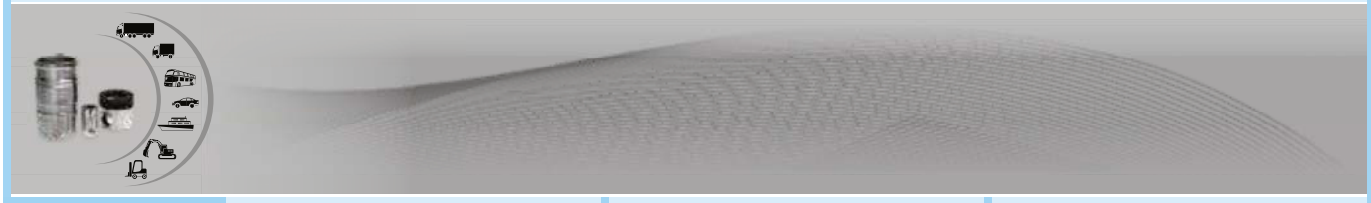




P 415 105 Std.
L 415 105
PR 415 105
K 415 105

P 415 140 Std.
L 415 140
PR 415 140
K 415 140

P 415 145 Std.
PR 415 145



D

DAF



Motor DH 825 **07**
8250 ccm, 115/120 kW,
(156/163 PS), 16:1; 126 mm
Vehicle Baureihe 2000, 2005, 2100, 2105, 1969-78

Diesel Motor DHR/DHT 825, **08**
8250 ccm, 148-165.5 kW
(201-225 PS), 16:1; 126 mm Hub,
Vehicle, 1602, 2000, 2200, 2005, 2100, 2205, 2305, 1971-
Diesel Motor DHS/DHU/DHTD 825,
8250 ccm, 150-184 kW (204-250 PS), 15:1; 126 mm Hub,
Vehicle, 2000, 2100, 2105, 2300, 2305, 2500, 2505, 2525, 1976-1988

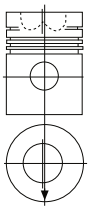
Diesel Motor RS 180 Euro 1, Eoru 2 **09**
8650 ccm, 16:1
Vehicle FA 75 240 1992 - 1996
Diesel Motor RS 200 Euro 1, Eoru 2
8650 ccm, 200 kW, (272 PS), 16:1
Vehicle FA 75 270 1992 - 1996
Diesel Motor RS 222 Euro 1, Eoru 2
8650 ccm, 222 kW, (302 PS), 16:1
Vehicle FA 75 300 1992 - 1996



Ø 118.00 mm.
118P01

Cyl. 95.00
6 -26.30
152.00

PSP
CSY

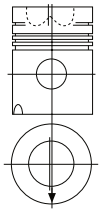


Combustion Bowl 61.00

Ø 118.00 mm.
118P02

Cyl. 95.00
6 -26.30
152.00

PSP
CSY
YPO

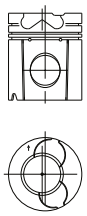


Combustion Bowl 64.84

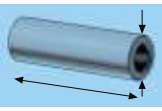
Ø 118.00 mm.
118P03

Cyl 91.95
6 -1.05
-1.55
-25.00
140.00

CSY
YPO
KMP



Combustion Bowl 60.00



42.00
99.00

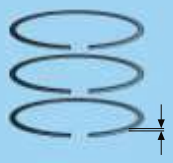


42.00
99.00

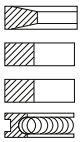


48.00
96.50

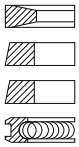




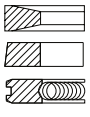
3.5 Cr
3.0
3.0
6.0



3.5 Cr
3.0
3.0
6.0

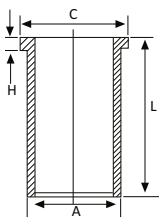


3.50
3.00
4.00
6.00

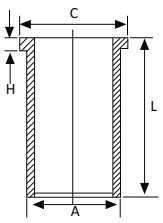




A = 123.5
C = 133.6
L = 262
H = 10.05

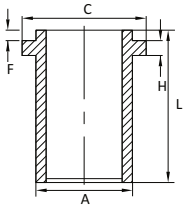


A = 123.5
C = 133.6
L = 262
H = 10.05



A = 123.75
C = 133.60
L = 262.00
H = 10.05

A = 123.50
C = 133.60
L = 262.00
H = 10.00



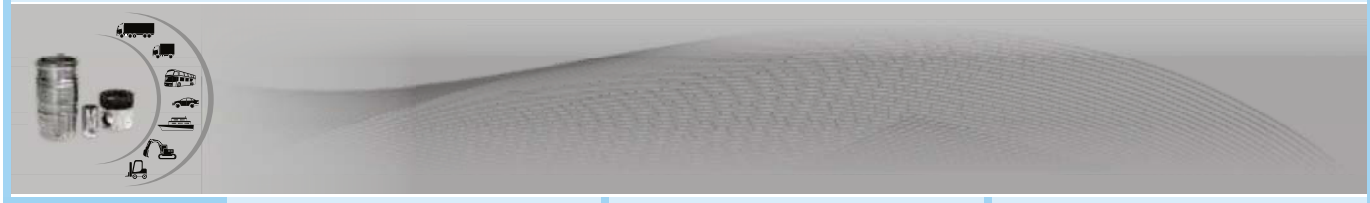


P 415 110 Std.
L 415 110
PR 415 110
K 415 110

P 415 120 Std.
L 415 120
PR 415 120
K 415 120

L 415 121

P 415 150 Std.
L 415 150
PR 415 150
K 415 150





Motor DK/DKA/DKL/DKDL 1160 **10**
11630 ccm, 97-169 kW, (132-230 PS), 16:1
Vehicle Baureihe 280, 310, 350, 360, 464, 475, 2400, 2600, 2605, 2800, MB 200, MB 201, 1969-1982
Motor DKB 1160
11630 ccm, 223.5 kW, (304 PS), 16:1
Vehicle Baureihe 325, 360, 390, 392, 447, 450, 460, 475, 500, 540, 2600, 2605, 1972-1976

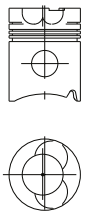
Diesel Motor **11**
WS 225, 11630 ccm
225 kW (306 PS) 14.5:1;
Vehicle,
FA/FT 95.310, 1988-1991
Diesel Motor:
WS 259, 11630 ccm
259 kW (352 PS), 14.5:1
Vehicle,
FA/FAT/FT 95.350, 1988-1991
Diesel Motor:
WS 282, 11630 ccm
282 kW (383 PS), 14.5:1
Vehicle,
FA/FAR/FAS/FAT/FT/FTG/FTS/FTT 95.380, 1988-1991

Diesel Motor, **12**
WS 295, 11630 ccm
295 kW (401 PS) 14.5:1
WS 242 G, WS 268 G
Vehicle,
FA/FAD/FAR/FAS/FAT/FTG/FTS/FTT 95.400 1991-



Ø 130.00 mm.
130P01

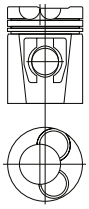
Cyl.	101.00
6	-3.00
	-29.30
	169.50
CSY	
YPO	



Combustion Bowl 71.50

Ø 130.00 mm.
130P02

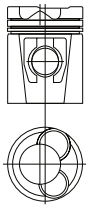
Cyl.	101.00
6	-0.80
	-1.50
	-29.42
	157.00
CSY	



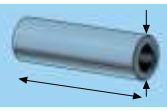
Combustion Bowl 75.00

Ø 130.00 mm.
130P03

Cyl.	101.00
6	-0.80
	-1.50
	-26.32
	157.00
CSY	



Combustion Bowl 79.00



48.00
111.00

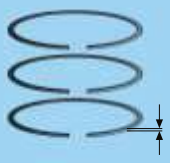


52.00
106.00

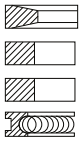


52.00
106.00

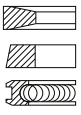




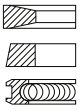
3.16 Cr
3.16 Cr
3.16 Cr
6.335



4.00 Mo
3.16 Cr
4.00 Cr

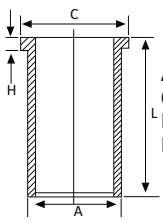


4.00 Mo
3.16 Cr
4.00 Cr



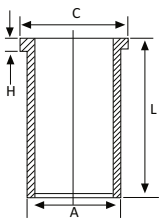


A = 136
C = 143.60
L = 288.50
H = 10.05

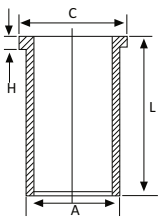


A = 136.26
C = 144
L = 288.50
H = 10.05

A = 136.02
C = 143.60
L = 288.50
H = 10.000



A = 136.02
C = 143.60
L = 288.50
H = 10.05

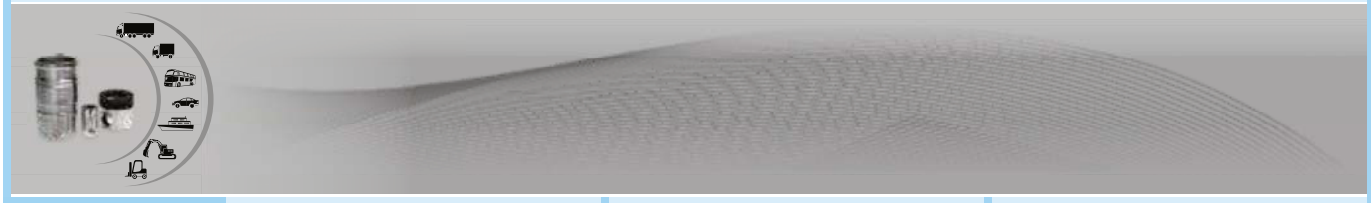




P 415 100 Std.
L 415 100
PR 415 100
K 415 100
L 415 101

P 415 125 Std.
L 415 125
PR 415 125
K 415 125

P 415 130 Std.
L 415 130
PR 415 130
K 415 130



D

DAF



Motor DKX / DKXE / DKZ / ATI / DKSE 1160 **13**
11630 ccm, 212-260-274 kW,
(288-354-373 PS), 15:1
Vehicle Serie ATI 3300 / 3305 / 3325 / 3603 / 3605 / 3625, 1984 -

Motor DKSE,DKS,DKV,DKVL,DKSB, DKFL, DKXE, DKCL,DHS,DKZ 1160 **14**
11630 ccm, 139-260 kW,
(189-354 PS), 15:1
Vehicle DKS 325-340-360-380-390-450-475-500-540
FA/FAR/FAT/FT/2800
FA/FAT/FT 2805 Ati
FAR/FTR 3300,FA/FT/FAG 3305
FAD/FAT/FTT/FTG 3325 1973-
Motor DKT,DKTD,DKTL 1160
11630 ccm, 185-198,5 kW,
(252-270 PS) 15:1
Vehicle DKTD 325-360-380-390-392-447-450-475-500-540
FAS 2200
FA/FAS/FT/FTT 2600
F/FAS/FAT 2605
FA/FAR/FAS/FAT/FTR/FTT 2805
1973-1986

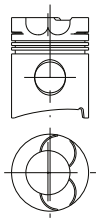
Motor Diesel XF 250 - 280 - 315 - 355 M **15**
12583 ccm, 250-280-315-355 kW ,
(340-381-428-483 PS), 16:1
Vehicle Hub 158 mm Turbo, LLK
85 340- 1998 95 430-480 1997



Ø 130.00 mm.
130P04

Cyl	101.00
6	-4.00
	-29.00
	169.50

CSY
YPO

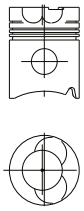


Combustion Bowl 74.50

Ø 130.00 mm.
130P05

Cyl	101.00
6	-4.00
	-29.10
	169.50

CSY
YPO

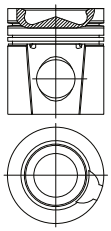


Combustion Bowl 74.60

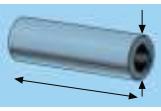
Ø130.00 mm.
130P06

Cyl	95.00
6	-21.75
	-1.00
	143.00

CSY
KMP



Combustion Bowl 82.00



52.00
106.00

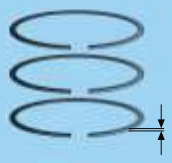


48.00
111.00

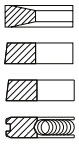


52.00
106.00

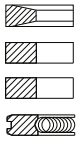




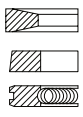
3.16
3.16
3.16
6.33



3.165
3.16
3.16
6.335

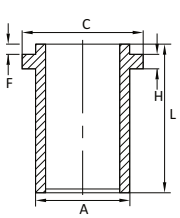


4.00 Mo
3.16
4.00 Cr

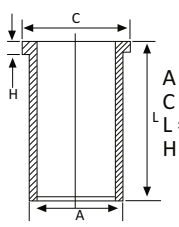




A = 136.02
C = 143.60
L = 288.50
H =10.00

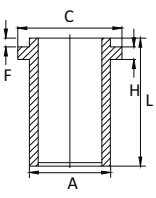


A = 136
C = 143.60
L = 288.50
H = 10.05



A = 136.26
C = 144
L = 288.50
H = 10.05

A = 136.02
C = 143.60
L = 288.50
H =10.0



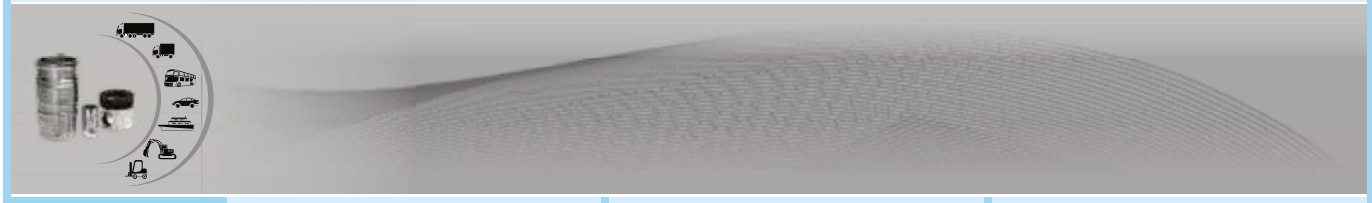


P 415 155 Std.
L 415 155
PR 415 155
K 415 155

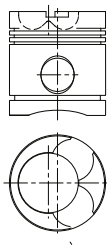
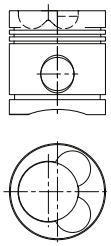
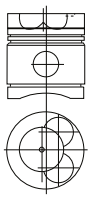
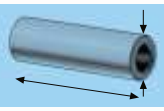
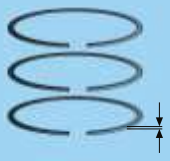
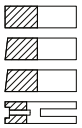
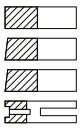
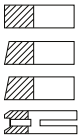
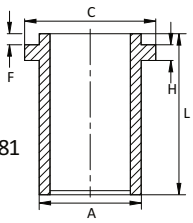
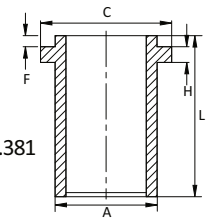
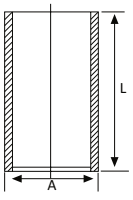
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L 415 165
PR 415 165
K 415 165

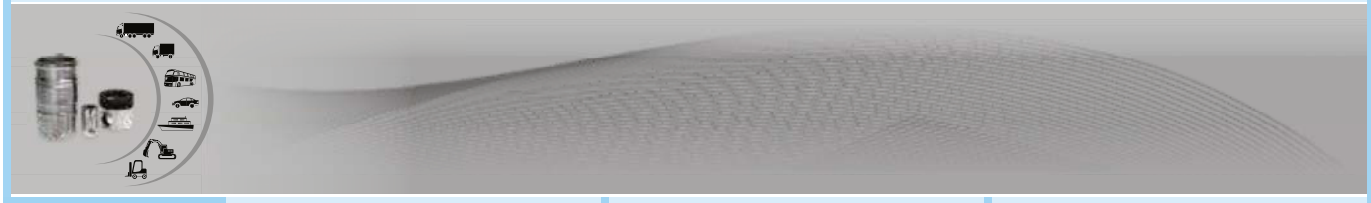
L 415 166

P 415 170 Std.
L 415 170
PR 415 170
K 415 170





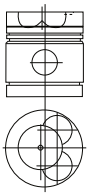
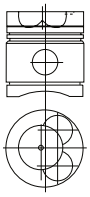
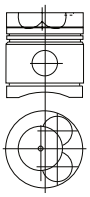
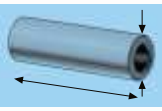
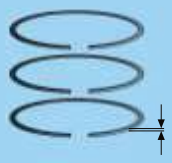
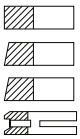
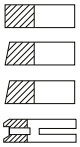
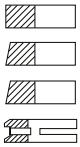
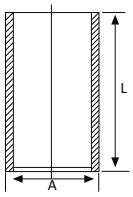
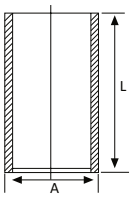
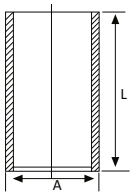
	01	02	03
	Motor ADA/47 3045 ccm, 17:1 **Vehicle** 990 Series 1961 - 71	**Motor ADA/47** 3045 ccm, 17:1 **Vehicle** 990 Series 1961 - 71	**Motor AD 3/55** 2695 ccm, C.R.17:1 **Vehicle** 780, 880, 885.1190, 1194 **Motor AD 4/55** 3594 ccm, C.R.17:1 **Vehicle** 995, 996, 1200, 1210, 1212, 1290,1294, 1390, 1394,
	**Ø 92.075 mm.** 92P12 Cyl 60.28 4 -5.15 -17.05 99.30 ESP  Combustion Bowl 57.15	**Ø 92.075 mm.** 92P13 Cyl 60.28 4 -3.81 -17.52 99.30 ESP  Combustion Bowl 53.97	**Ø 100.046 mm.** 100P62 Cyl. 60.376 3/4 -19.291 -5.436 105.562 ESP  Combustion Bowl 58.80
	31.75 78.20 	31.75 78.20 	31.75 87.00 
	2.385 2.385 2.385 4.763 	2.385 2.385 2.385 4.763 	2.385 Cr 2.385 2.385 4.747 
	A = 103.48 C = 114.275 L = 205.130 H + F= 8.001 + 0.381 	A = 103.48 C = 114.275 L = 205.130 H + F= 8.001 + 0.381 	A = 105.08 L = 212.217 
	P 655 120 Std. L 655 120 PR 655 120 K 655 120	P 655 125 Std. L 655 125 PR 655 125 K 655 125	P 655 100 Std. P 655 100 0.50 P 655 100 1.00 L 655 100 PR 655 100 K 655 100

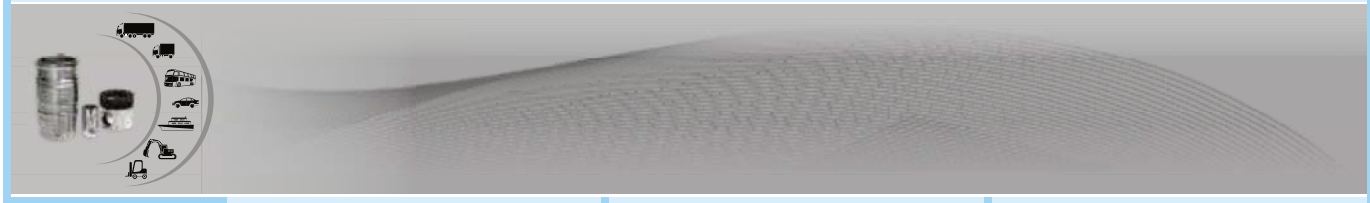


D

DAVID BROWN

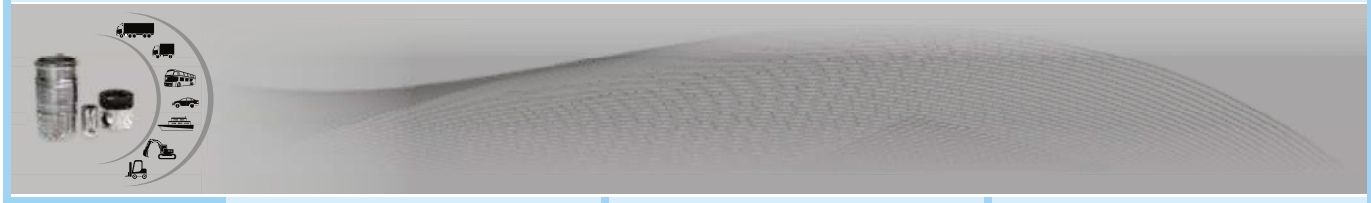


	04	05	06
	Motor AD 3/49 2395 ccm, C.R.17:1 **Vehicle** 770 **Motor AD 4/49** 3195 ccm, C.R.17:1 **Vehicle** 990	**Motor AD/55** 5392 ccm, C.R.17:1 **Vehicle** 1594, **Motor AD6/55T** 5392 ccm, C.R.17:1 **Vehicle** 1694	**dto.,**
	**Ø 100.046 mm.** 100P63 Cyl. 66.726 3/4 -15.913 -5.436 111.912 ESP  Combustion Bowl 58.75	**Ø 100.046 mm.** 100P64 Cyl. 60.32 6 -20.30 -5.51 105.56 CSY ESP  Combustion Bowl 58.80	**Ø 100.046 mm.** 100P65 Cyl. 60.32 6 -20.30 -5.51 105.56 CSY ESP  Combustion Bowl 58.70
	31.75 87.00 	31.75 87.00 	31.75 87.00 
	2.385 Cr 2.385 2.385 4.763 	2.385 Cr 2.385 2.385 4.747 	2.385 Cr 2.385 2.385 4.747 
	A = 105.08 L = 212.217 	A = 105.08 L = 212.217 	A = 105.08 L = 212.217 
	P 655 105 Std. P 655 105 020 P 655 105 040 L 655 105 PR 655 105 K 655 105	P 655 110 Std. P 655 110 020 P 655 110 040 L 655 110 PR 655 110 K 655 110	P 655 115 Std. P 655 115 020 P 655 115 040 L 655 115 PR 655 115 K 655 115





01	Motor Q 02	03
Ø 127.00 mm. 127P01	**Ø 158.75 mm.** 158P01	**Ø 158.75 mm.** 158P02
Cyl. 2/3/4/5/6 101.67 -30.50 154.00	Cyl 6 133.45 -3.73 -37.77 196.85	Cyl 6 132.55 -4.24 -32.23 195.98
ESP	CSY ESP	CSY ESP
Combustion Bowl 73.60	Combustion Bowl 87.31	Combustion Bowl 110.00
44.45 108.00	63.50 134.80	63.50 134.80
3.175 3.175 3.175 6.350 6.350	3.175 3.175 3.175 6.35 6.35	3.175 3.175 3.175 6.35 6.35
A = 142.811 C = 150.119 L = 295.910 H + F=11.176+0.635	A = 180.912 C = 356.845 L = 249.50 H + F=14.35 + 1.041	
P 665 100 Std. L 665 100 PR 665 100 K 665 100	P 665 105 Std. L 665 105 PR 665 105 K 665 105	P 665 110 Std. PR 665 110



E

EICHER

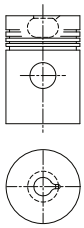


Motor EKD. 1 **01**
981 ccm, 11 kW, (15 PS), 19,4:1
Vehicle EM 100, Leopard,Tiger,G 280, ES 200,
ES 201 , Puma 1960 - 1976
Motor EKD.2
1963 ccm, 16-22 kW, (22-30 PS), 19,4:1
Vehicle EM 200,G 25, ES 200,
ES 201 , Puma 1960 - 1976
Motor EKD.3
2944 ccm, 29.5 kW, (40 PS), 19,4:1
Vehicle EM 300,G 40, 1960 - 1976
Motor EKD.4
3927 ccm, 40-44 kW, (54-60 PS), 20,4:1
Vehicle Framexpress, E1B 320 ,340 , 360, 420 1960 - 1976
Motor EKD.6
5886 ccm, 59 kW, (80 PS), 20,4:1
Vehicle Elinbaumotor 1960 - 1976

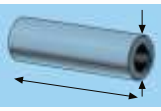


Ø 100.00 mm.
100P01

Cyl	81.00
2/3/4/6	-29.20
	146.00

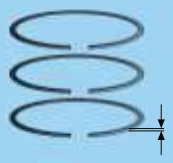


Combustion Bowl 25.50

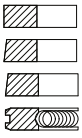


35.00
85.00





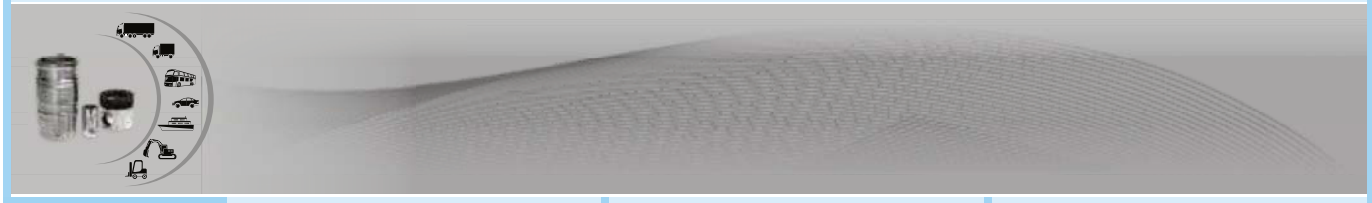
3.00
3.00
3.00
5.00





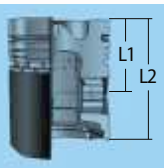


P 710 000 Std.
P 710 000 0.50
P 710 000 1.00
P 710 000 1.50
PR 710 000



01





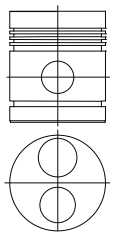


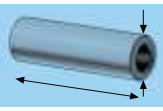


Ø95.00 mm.
95P02

Cyl 64.00
120.00

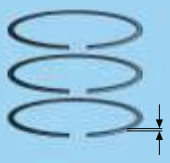
ESP



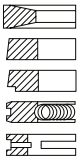


30.00
81.80





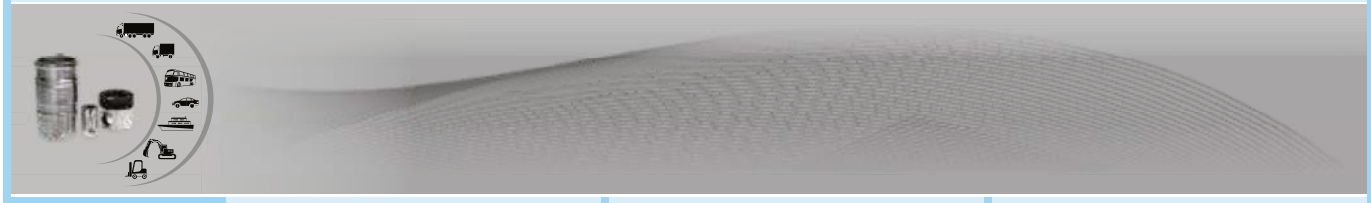
3.00
3.00
3.00
5.50
5.50







P 825 100 Std.
PR 825 100



F

FED



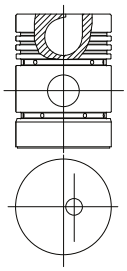
01

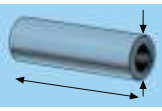


Ø75.00 mm.
75P02

Cyl 60.00
-13.00
105.00

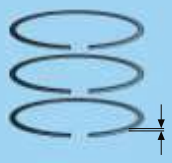
ESP





25.00
64.00





3.12

3.08

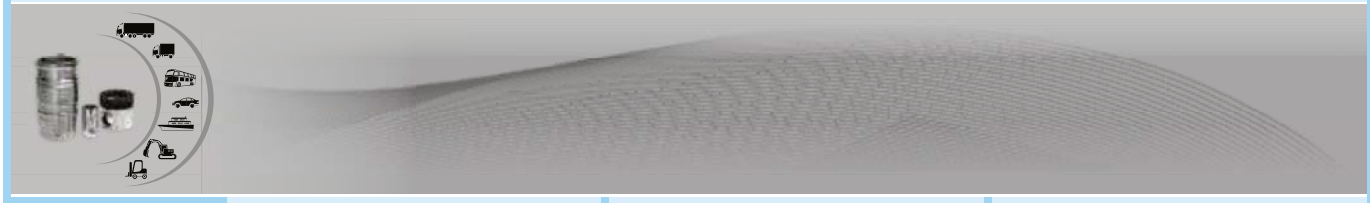
5.00

5.00



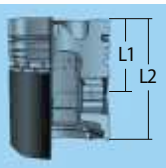


P 810 100 Std.
PR 810 100



01



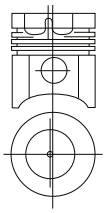




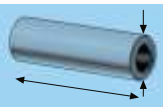


Ø 95.00 mm.
95P03

Cyl.	60.00
2/4	-16.00
	100.00

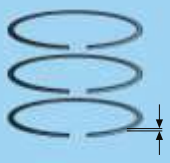


Combustion Bowl 46.30

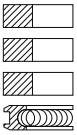


28.00
74.50





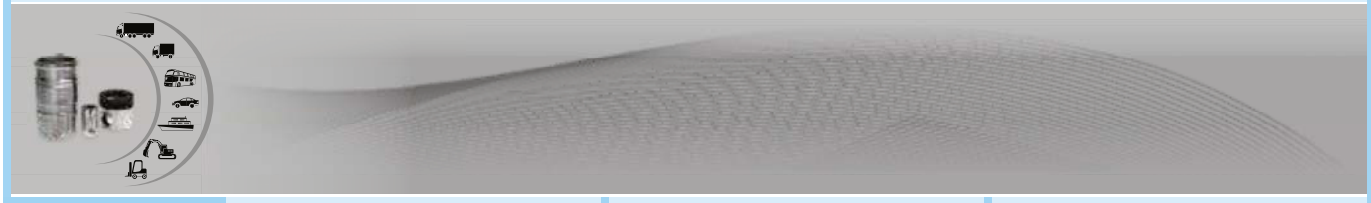
3.00
3.00
3.00
5.00







P 660 105 Std.
PR 660 105



F

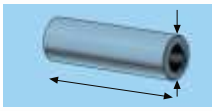
FIAT



01	02	03
	Motor 100 G.000 843 ccm, 25 kW, (34 PS DIN), 8:1 **Vehicle** 850, 05, 1964-1972 **Motor 100 G.002, 100 GB.000** 843 ccm, 27 kW, (37 PS DIN), 8,8:1 **Vehicle** 850 Super, 05.1964-1972 **Motor 100 GC.000, 100 GS.000** 843 ccm, 34.5-36 kW, (47-49 PS), 9,3-9,7:1 **Vehicle** 850 Coupe, 1965-1973 **Motor 100 GF.000, 100 GF.0C.0,** 903 ccm, 26-29.5 kW, (35-40 PS DIN), 7.8-7.9:1 **Vehicle** 127, 850, 900, 1975-1985 **Motor 100 GL.000, 100 GL3.000,** 100 GL.ON.0, 100 GL.9 C.0, 100 GL.9 N.0, 100 GL.3C.0, 903 ccm, 33-34.5 kW, (45-47 PS), 9:1 **Vehicle** 127,900, Fiorino, Panda 45, Uno 45, 03.1971-1985	**Motor 110 D.000** 499 ccm 13kW (18 PS) 7:1 70mm **Motor 110 F.000 , 120.000** 496 ccm 13kW 18 PS 7,1:1 70mm



Ø52.00 mm. 52P01	Ø 65.00 mm. 65P01	Ø67.40 mm. 67P04
Cyl 4	Cyl. 4	Cyl 2
30.50 55.50	30.75 61.25	38.00 +2.70 74.70
	30.65 61.15	
	KYA	30.55 61.05
	30.45 60.95	
	30.35 60.85	
	30.25 60.75	



14.99 44.50	19.99 54.00	20.00 55.00

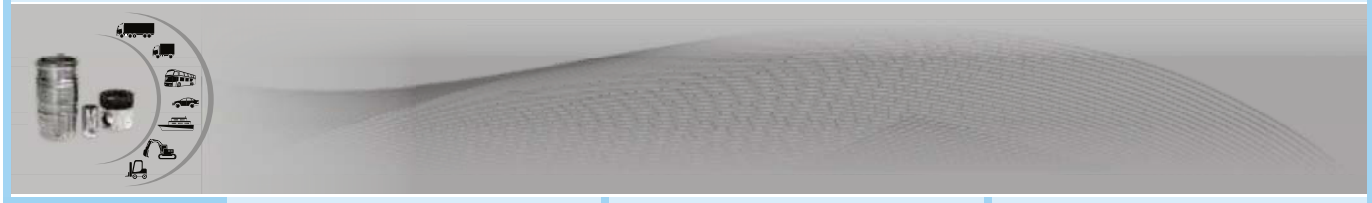


2.50 2.50 3.50	1.75 Cr 2.00 3.947 Cr	2.00 2.00 2.00 4.00





P 420 515 Std. PR 420 515	P 420 100 Std. P 420 100 0.20 P 420 100 0.40 P 420 100 0.60 P 420 100 0.80 P 420 100 1.00 PR 420 100	P 420 550 Std. PR 420 550





Motor 103 D 000 **04**
1089 ccm, 29,5 kW, (40 PS), 7:1
Motor 103 E 000,
1089 ccm, 27kW, (37PS).7:1
Motor 103 H 000,
1089 ccm, 35,5 kW, (48 PS).7,85:1
Vehicle 1100/ 103 E .1100/ 103 D .1100/ 103 H ,1100 R. 1100 T.
1953-1969

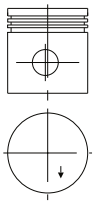
05

Motor **06**
999 ccm 45 HP
Vehicle Uno 45 Fire 1985-1993
Panda 1000 4x4 Trekking
(Fire 45 HP) 1985-
Panda 1000 (Fire 45 HP) 1986-



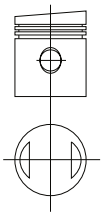
Ø68.00 mm.
68P01

Cyl	46.00
4	72.00



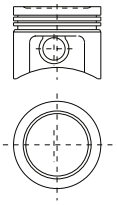
Ø 68.00 mm.
68P02

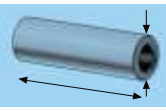
Cyl.	42.85
4	-6.85
	-2.14
	76.83
PSP	



Ø 70.00 mm.
70P01

Cyl.	33.85
4	-0.50
	57.65
PSP	





21.99	
56.00	

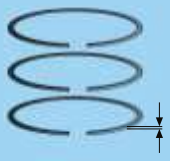


20.00	
57.50	

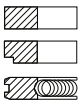


17.99	
53.00	

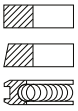




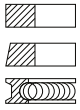
2.50	
2.50	
3.947	



2.00 Cr	
2.00	
4.00 Cr	



1.50 Cr	
1.50	
3.00 Cr	



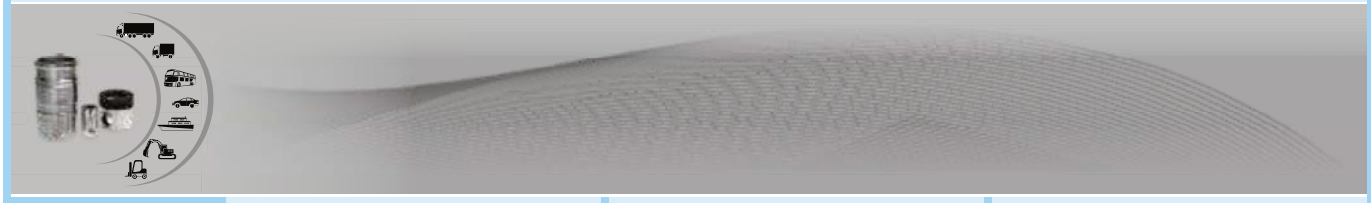




P 420 280 Std.
P 420 280 0.40
P 420 280 0.60
P 420 280 0.80
P 420 280 1.00
P 420 280 1.60
PR 420 280

P 420 415 Std.
PR 420 415

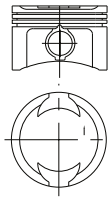
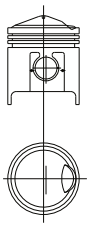
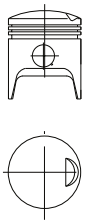
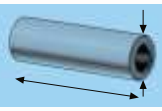
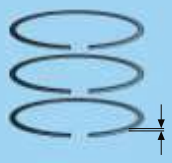
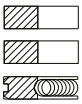
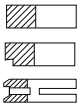
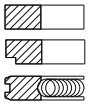
P 420 380 Std.
P 420 380 0.40
P 420 380 0.60
P 420 380 0.80
P 420 380 1.00
PR 420 380

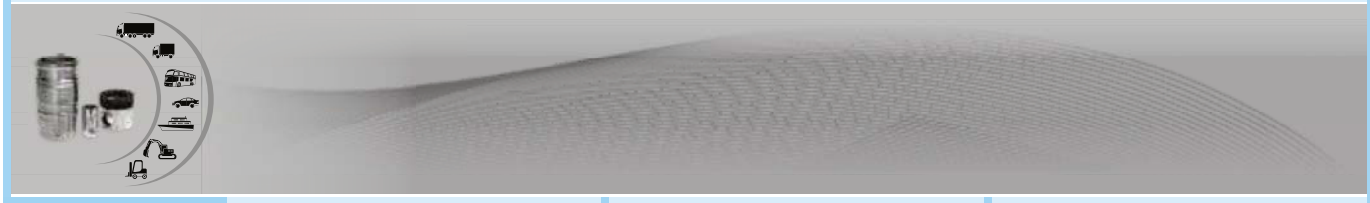


F

FIAT



	07	08	09
	Motor 176 A 7.000, **609 CA 12.CS.P.I** 1242 ccm , 44 kw (60 PS). 9,6:1 **Vehicle** Punto	**Motor 116 000,** 1295 ccm, 48 kw (65 PS), 8,8:1; **Vehicle** 1300, 1961-64 **Motor 116 C.000** 1295 ccm, 51.5 kw (70 PS), 9:1; **Vehicle** 1300 C, 1964-67	
	**Ø70.80 mm.** 70P04 Cyl 27.95 4 -1.40 -2.50 47.95  Combustion Bowl 59.00	**Ø 72.00 mm.** 72P01 Cyl. 50.84 4 +10.77 88.26 TÇP 	**Ø72.00 mm.** 72P02 -2.80 +8.00 45.50 88.45 TÇP 
	17.97 53.00 	21.99 60.00 	22.00 60.00 
	1.20 1.20 2.50 	2.00 2.00 3.947 	2.00 2.00 4.00 
			
	P 420 455 Std. P 420 455 0.40 P 420 455 0.60 PR 420 455	P 420 395 Std. PR 420 395	P 420 465 Std. PR 420 465

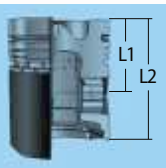




Motor 124 A.000, 124 B.000, 124 B.040, 124 BL.016, 124 FA.000, 10
1197 ccm, 44-48 kW, (60-65 PS), 8.5-8.8:1
Vehicle 124, 1200 (USA), 238, 1968-1974

Motor 126 AB 0C.0 11
R 2 Benzin, 594 cm³, 7,5:1 126
Vehicle 126 1972.....1975
Motor 126 AB 5C.0
R 2 benzin, 594 cm³, 7,5:1
Vehicle 500 R 1972.....1975

Motor 127 A.000, 127 A.046, 127 AB.ON 0, 127 AB.OC.0, 127 AJ.OC.0, 127 AB.1C.0, 127 AE.OA.0, 127 A6.054, 12
1049 ccm, 37 kW, (50 PS), 9,3:1
Vehicle 127 Ritomo 60, 04.1977-1986
Motor 1.05 Ltr,
1049 ccm, 37 kW, (50 PS), 7,2:1
Vehicle 147, 1976-1983

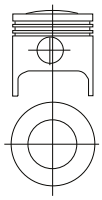






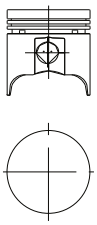
Ø 73.00 mm.
73P01

Cyl.	37.75
4	+2.80
	80.50
PSP	
TÇP	



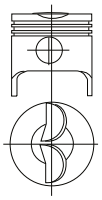
Ø73.50 mm.
73P05

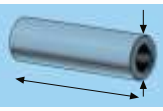
Cyl	40.00
2	79.50



Ø 76.00 mm.
76P01

Cyl.	35.55
4	+0.50
	-4.00
	76.05
PSP	35.35
KYA	75.85
TÇP	35.15
	75.65
	34.95
	75.45
	34.75
	75.25





21.99	
64.00	

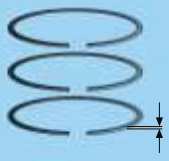


20.00	
61.00	

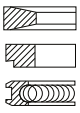


21.99	
67.00	

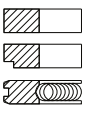




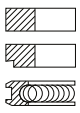
1.50 Cr	
2.00	
3.947	



1.50	
2.00	
3.947	



1.50 Cr	
2.00	
3.947	



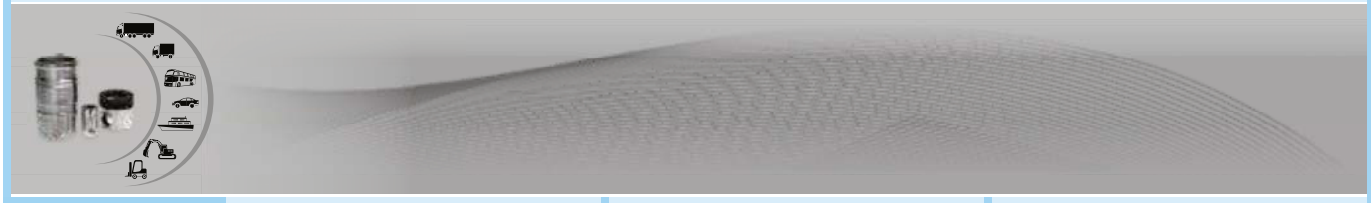




P 420 285 Std.
P 420 285 0.40
P 420 285 0.60
P 420 285 0.80
P 420 285 1.00
PR 420 285

P 420 545 Std.
PR 420 545

P 420 105 Std.
P 420 105 0.20
P 420 105 0.40
P 420 105 0.60
P 420 105 0.80
P 420 105 1.00
PR 420 105





Motor 1.3 Ltr. **13**
1297 ccm, 44-52 kW,
(60-71 PS) 7.5:1
Vehicle 147, Uno, 1976-
Motor 138 A.000,
1049 ccm, 44 kW, (60 PS), 9,5:1
Vehicle Ritmo 60, 1976-83

Motor 127 A5.000, 127 AB,5C.0 **14**
1301 ccm, 33 kW, (45 PS),
20-21:1 71.5 mm Hub
Vehicle 127 D, Panda D, Uno D, ab 1981

Motor 131 A.000, 131 A 6.000 **15**
1297 ccm, 40.5 kW, (55 PS) 7.8:1
Vehicle 131-1300 Mirafiori,
10.1974-1981



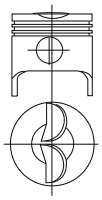




Ø 76.00 mm.
76P02

Cyl. 35.55
4 +0.50
-3.20
76.05

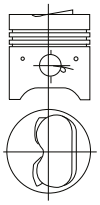
PSP
TÇP



Ø 76.00 mm.
76P03

Cyl. 47.15
4 +4.90
79.15

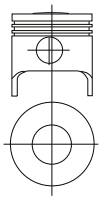
CSY
TÇP
PSP

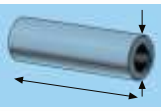


Ø 76.00 mm.
76P04

Cyl. 38.45
4 +0.50
77.95

PSP
TÇP





19.99
65.30

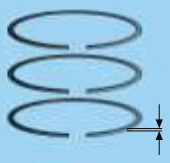


21.99
64.50

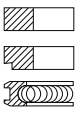


21.99
61.00

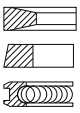




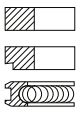
1.50 Cr
2.00
3.947



2.50 Mo
2.00
3.00 Cr

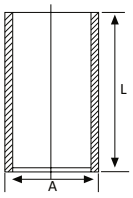


1.50 Cr
2.00
3.947





A = 79
L = 135.5

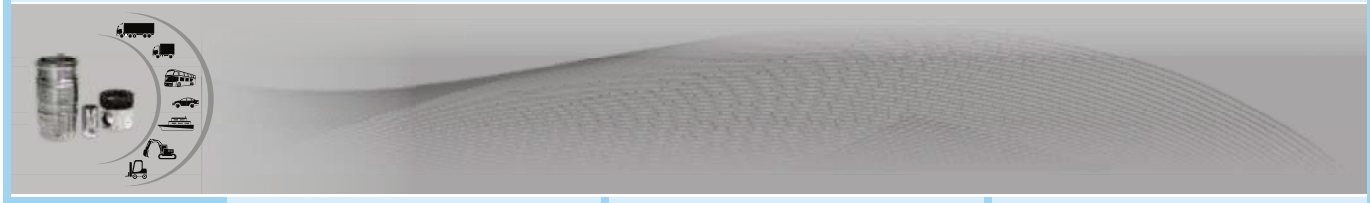




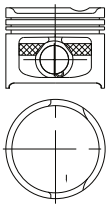
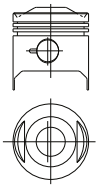
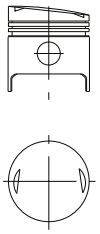
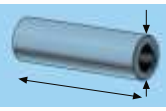
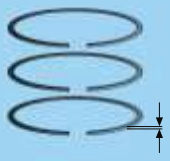
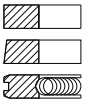
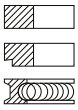
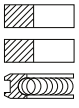
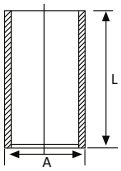
P 420 110 Std.
P 420 110 0.40
P 420 110 0.60
PR 420 110

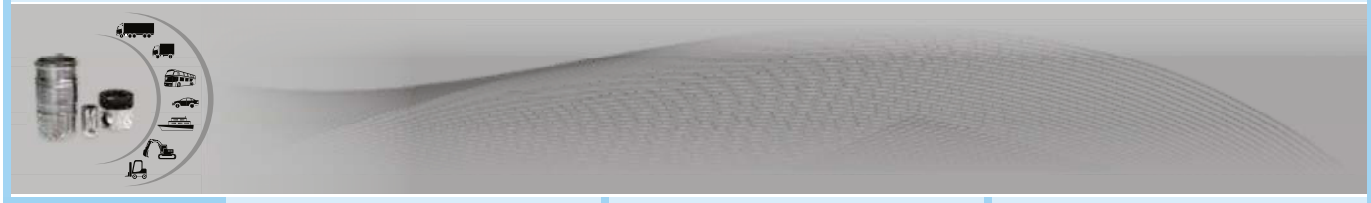
P 420 115 Std.
P 420 115 0.40
P 420 115 0.60
L 420 115
PR 420 115
K 420 115

P 420 275 Std.
P 420 275 0.40
P 420 275 0.80
P 420 275 1.00
PR 420 275





16	**Motor 1301 ccm 82 HP 8.9:1;** **17** **Vehicle** 131 Berline Familiare, 131 L/LC/Panorama, 131 Supermirafiori	18
	**Ø76.00 mm.** 76P05 Cyl 36.95 4 -2.00 -4.65 62.20  Combustion Bowl 64.70	**Ø 76.05 mm.** 76P13 Cyl. 38.45 4 +4.91 77.87 TÇP PSP 	**Ø77.00 mm.** 77P02 Cyl 45.00 -9.15 4 -1.20 79.95 
	22.00 55.25 	21.99 61.00 	22.00 67.00 
	1.50 1.50 3.00 	1.50 Cr 2.00 3.947 	1.50 2.00 4.00 
		A = 81.08 L = 134.30 	
	P 420 480 Std. PR 420 480	P 420 365 Std. L 420 365 PR 420 365 K 420 365	P 420 520 Std. PR 420 520





Motor 126 A1.000, 126 A1.048 **19**
652 ccm, 17 kW, (23 PS) 7,5:1
Motor 126 BB.0C.0 126 BB.1C.
0652 ccm, 17 kW, (23 PS) 7,5:1
Vehicle 126 650 07.1977-09.1987

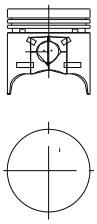
Motor 131 C / 131 C1.000 **20**
1367 ccm,
Vehicle 131, Supermirafiori 1981-1985

Motor 131 C / 131 C1.000 **21**
1367 ccm,
Vehicle 131, Supermirafiori 1981-1985



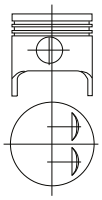
Ø77.00 mm.
77P03

Cyl	40.00
2	79.50



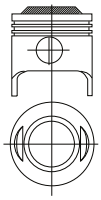
Ø 78.00 mm.
78P02

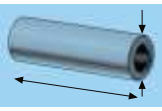
Cyl.	38.55
4	78.00
PSP	



Ø 78.00 mm.
78P03

Cyl.	38.45
4	3.65
	77.95
PSP	
TÇP	





20.00	
61.00	

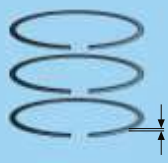


21.99	
60.70	

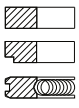


21.99	
60.70	

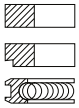




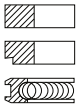
1.50	
2.00	
3.947	



1.50 Cr	
2.00	
3.947 Cr	



1.50 Cr	
2.00	
3.947 Cr	



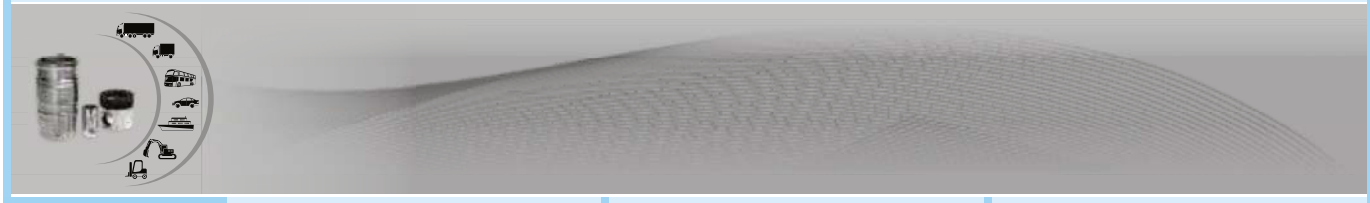




P 420 555 Std.
PR 420 555

P 420 290 Std.
P 420 290 0.40
P 420 290 0.60
PR 420 290

P 420 295 Std.
P 420 295 0.40
P 420 295 0.60
PR 420 295





Motor 128 A,000 **22**
1116 ccm, 40.5-48 kW,
(55-65 PS DIN), 8,8-9.2:1
Vehicle 128, 03.1969-1984
Motor 128 AC 5.000, 128 BB.0A0,
1116 ccm, 48 kW, (65 PS DIN), 8,8-9,2:1
Vehicle 128 Sport coupe, 11.1971-1979
Motor 138 A.000, 138 B.000, 138 AE.OA.O
1116 ccm, 40.5-44 kW, (55-60 PS) 9.2:1
Vehicle Ritmo 60, Uno 55, Strada (USA), 1978-1985

Motor 124 AC/AAC3/AZ2 **23**
1438 ccm, C.R.9.3:1
Vehicle 124 Special T, 124 Sport Coupe, Spider, 241T, 1100 T4, 1966-1974

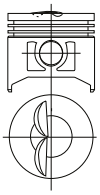
Motor 1600 ccm **24**
Vehicle 131



Ø 80.00 mm.
80P03

Cyl.
4

PSP
KYA
TÇP



34.70
+0.60
-2.60
77.30

34.50
+0.60
-2.60
77.10

34.30
0.60
-2.60
76.90

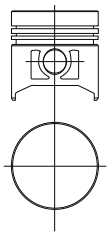
34.10
+0.60
-2.60
76.70

33.90
+0.60
-2.60
76.60

Ø 80.00 mm.
80P04

Cyl.
4

PSP

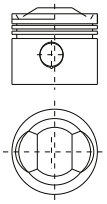


37.75
79.80

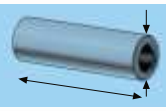
Ø 80.00 mm.
80P05

Cyl.
4

PSP
TÇP



38.89
+4.90
67.22



21.99
70.80

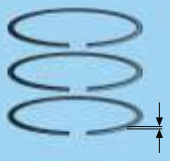


21.99
70.80

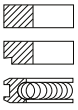


21.99
67.00

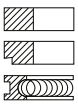




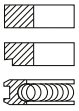
1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



1.50
2.00
3.947



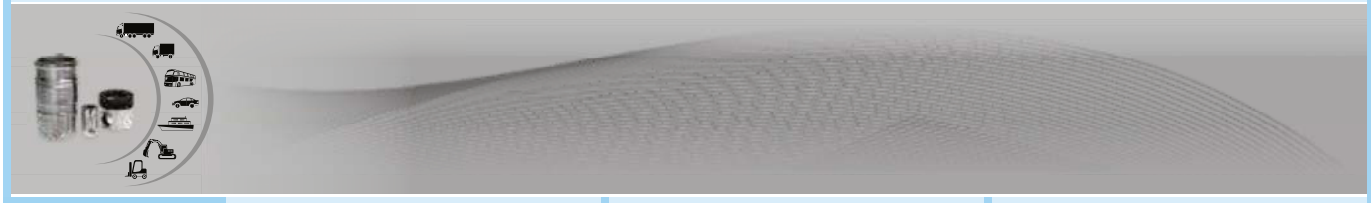




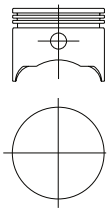
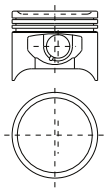
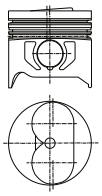
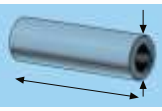
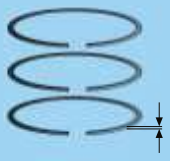
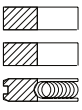
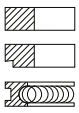
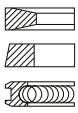
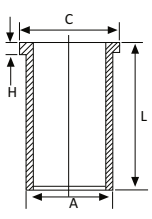
P 420 120 Std.
P 420 120 0.20
P 420 120 0.40
P 420 120 0.60
P 420 120 0.80
P 420 120 1.00
PR 420 120

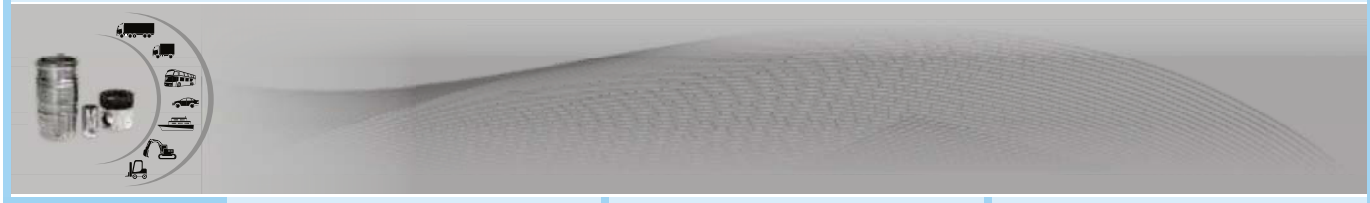
P 420 300 Std.
P 420 300 0.20
P 420 300 0.40
P 420 300 0.60
P 420 300 0.80
P 420 300 1.00
PR 420 300

P 420 385 Std.
PR 420 385





	Motor AC 67 A **25**	**Motor 1400** **26** **Vehicle Şahin**	**Motor 138TD. 000** **27** Diesel Motor 1929 ccm **Vehicle** Ritmo Turbo 1986-88 **Motor 149A1. 000** Diesel Motor 1929 ccm **Vehicle** Regata Turbo 1985-90
	**Ø80.00 mm.** 80P06 Cyl 28.50 2 63.50 	**Ø 80.50 mm.** 80P23 Cyl. 33.20 4 -2.90 65.15  Combustion Bowl 70.50	**Ø 82.60 mm.** 82P20 Cyl. 42.80 4 +2.50 76.00  CSY YPO TÇP
	14.00 72.50 	21.99 58.00 	26.00 69.30 
	2.00 2.00 4.00 	1.50 1.75 3.00 	3.00 2.00 3.00 
			A = 86.06 C = 89.00 L = 154.00 H = 4.50  A = 87.03 C = 90.00 L = 154.00 H = 4.60
	P 420 560 Std. PR 420 560	P 420 390 Std. PR 420 390	P 420 405 Std. P 420 405 0.40 P 420 405 0.60 L 420 405 PR 420 405 K 420 405 L 420 406





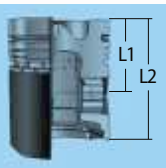
Motor149 B3.000, 149 B4.046, **28**
1698 ccm, 43-44 kW, (58-60 PS),
20-20,5:1
VehicleUno 60 D, Duna D,
Ritmo D, Regata D, 1986-
Motor 149 A1.000,
1929 ccm, 48 kW, (65 PS), 21:1
VehicleRegata D, 1984
Motor M 707 AT. 19.0, 199 A1.000,
1929 ccm, 59 kW, (80 PS), 20:1
VehicleRitmo Turbo
DS, Regata Turbo DS, 1986-

Motor 160A6. 000 **29**
Diesel Motor 1929 ccm
VehicleTipo Turbo 1988- Tempra 1.9
Turbo SX 1990-
Motor 280A1. 000
Diesel Motor 1929 ccm
VehicleNuovo Ducato
Turbo 1930, 1988-

Diesel Motor 160 A 6.000, **30**
1929 ccm , 59- 68 kW (80 - 92 PS),
19,2:1 Turbo
VehicleTempra 1990-Tipo 1988-
Diesel Motor M 710 AT 19.0
1929 ccm, 59 - 68 kW (80 - 92 PS),
19,2:1 Turbo
VehicleTempra 1990-Tipo 1988
Diesel Motor TCA 160,
1929 ccm , 59 - 68 kW (80 - 92 PS),
19,2:1 Turbo
Vehicle Tempra 1988-Tipo 1988-

F

FIAT



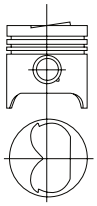




Ø 82.60 mm.
82P21

Cyl. 42.60
4 +2.40
84.20

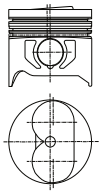
CSY
TÇP



Ø 82.60 mm.
82P22

Cyl. 42.40
4 +2.50
76.00

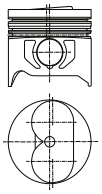
CSY
TÇP

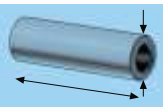


Ø82.60 mm.
82P23

Cyl 42.80
4 +2.50
76.00

CSY
YPO
TÇP





25.00
69.30

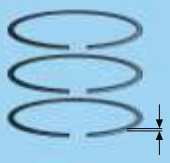


26.00
69.30

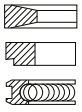


26.00
69.30

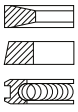




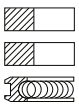
2.50 Mo
2.00 Mo
4.00 Cr



3.00
2.00
3.00

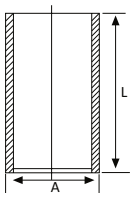


2.50
2.00
4.00

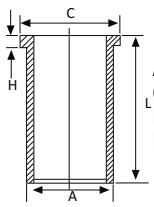




A = 86
L = 154

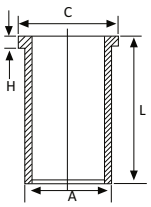


A = 86.06
C = 89.00
L = 154.00
H = 4.50



A = 87.03
C = 90.00
L = 154.00
H = 4.60

A = 87.00
C = 89.00
L = 154.00
H = 4.55



A = 86.00
C = 89.00
L = 147.00
H = 4.50



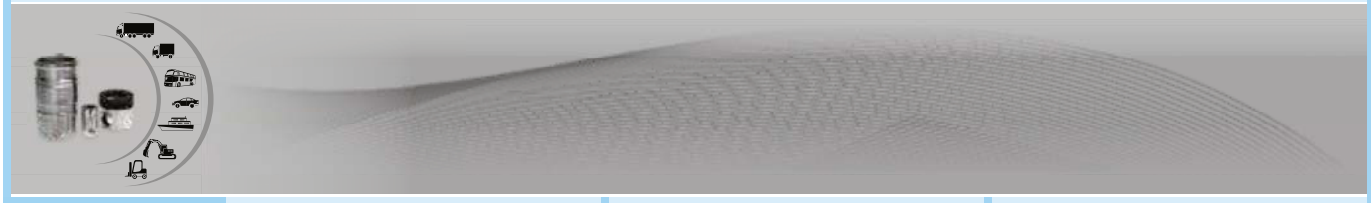
P 420 125 Std.
P 420 125 0.40
P 420 125 0.60
L 420 125
PR 420 125
K 420 125

P 420 420 Std.
P 420 420 0.40
P 420 420 0.60
L 420 420
PR 420 420
K 420 420

L 420 421

P 420 565 Std.
L 420 565
PR 420 565
K 420 565

L 420 566





Motor 138 B 6.000, 138 A 5.000, M 700 AA.17.0, **31**
1714 ccm, 40.5-42.5 kW, (55-58 PS) 20-20,5:1
Vehicle Ritmo D, Regata D, 03.1982-1986

Motor 132 AB.000, 132 A1.000, 132 AB.1AO, 132 B1.000, 132 BB.1AO, 132 C1.000, **32**
1756 ccm, 77-81.5 kW, (105-111 PS), 8,9:1
Vehicle 132 Special, 242, 04.1972-1976

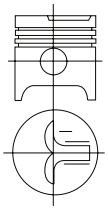
Motor 132 DB.2A.O, 132 C 2.000 **33**
1995 ccm, 82.5 kW, (112 PS), 8,9:1
Vehicle 132-2000, 04,1972-1981
Motor 131 A 1.000, 131 B 2.000, 131 C 4.000, 132 B 2.000,
1995 ccm, 81-83-84.5 kW, (110-113-115 PS),8.9:1
Vehicle 131 Racing, 06.1978-1985
Motor 132 D, 1000
1995 ccm, 83 kW, (113 PS), 9:1
Vehicle Argetta 2000-100, 1981-1985
Motor 132 C 3.000, 132 C 3.054
1995 ccm, 90 kW, (122 Ps), 8.9-9:1
Vehicle Argetta 2000-120, ‹niezione 132 2000 E, 1981-1985



Ø 83.00 mm.
83P05

Cyl. 4
45.90
-2.90
85.00

CSY



Ø 84.00 mm.
84P06

Cyl. 4
38.45
+1.60
79.55

38.25
+1.60
79.35

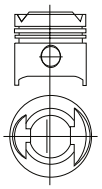
PSP
KYA
TÇP

38.05
+1.60
79.15

37.85
+1.60
78.95

37.65
+1.60
78.75

37.45
+1.60
78.55



Ø 84.00 mm.
84P07

Cyl. 4
38.45
77.95
-4.25

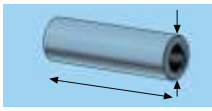
38.25
77.75

PSP
KYA

38.05
77.55

37.85
77.35

37.65
77.15



25.00
71.00



21.99
68.00

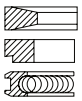


21.99
68.00

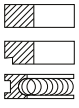




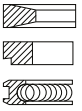
2.50 Mo
2.00 Mo
4.00 Cr



1.50 Cr
2.00
3.947

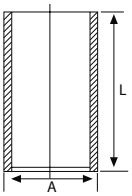


1.50 Cr
2.00
3.947





A = 86
L = 147.5

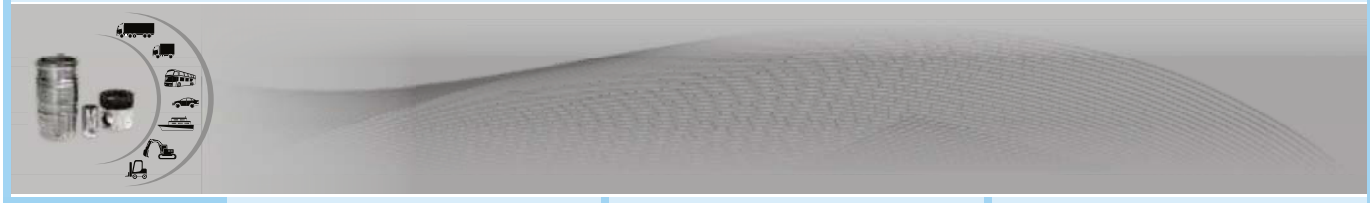




P 420 130 Std.
P 420 130 0.40
P 420 130 0.60
P 420 130 1.00
L 420 130
PR 420 130
K 420 130

P 420 135 Std.
P 420 135 0.40
P 420 135 0.60
P 420 135 0.80
P 420 135 1.00
P 420 135 1.60
PR 420 135

P 420 140 Std.
P 420 140 0.40
P 420 140 0.60
P 420 140 0.80
P 420 140 1.00
P 420 140 1.60
PR 420 140

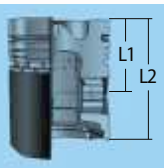




Motor 131 A . 000 131 A 1.000. **34**
1585 ccm, 55 kW, (75 PS), 9.2:1 71.5 mm
Vehicle 131 Mirafiori,Brava (USA) 1974-78

Motor 149 A. 000 131 A GL **35**
M 203 AA . 16.0
1585 ccm, 62-74 kW (85-100 PS),
9.1:1 9.3:1
1981-1983

Motor 614.000, 614.010 **36**
1135 ccm 13 kW (18 PS) 21,5:1 100mm
1135 ccm 13 kW (18 PS) 21,5:1 100mm
Motor 615.000
2270 ccm 29 kW (40 PS) 21,5:1 100mm

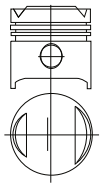






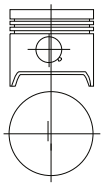
Ø 84.00 mm.
84P08

Cyl.	38.50
4	78.00
	3.55
	4.00
PSP	



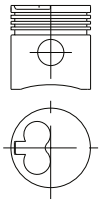
Ø 84.00 mm.
84P09

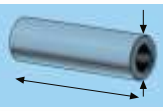
Cyl.	38.50
4	78.00
PSP	



Ø85.00 mm.
85P01

Cyl	50.30
2/4	-4.45
	89.85





21.99
69.00

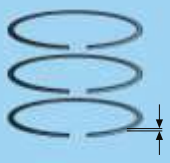


21.99
69.00

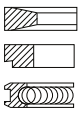


28.00
68.80

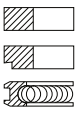




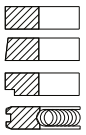
1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



3.00
3.00
3.00
5.50



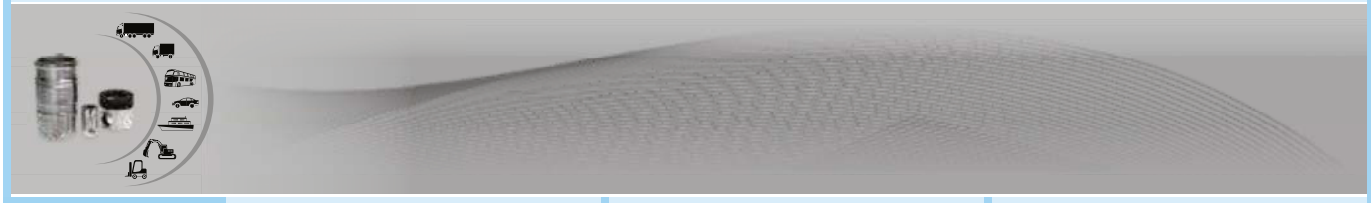




P 420 245 Std.
P 420 245 0.40
P 420 245 0.60
P 420 245 0.80
P 420 245 1.00
PR 420 245

P 420 270 Std.
P 420 270 0.40
P 420 270 0.60
P 420 270 0.80
P 420 270 1.00
PR 420 270

P 420 435 Std.
PR 420 435





Motor 128 A 1.000, 128 AR.000 **37**
1290 ccm, 44-45 kW,
(60-75 PS DIN), 8.9-9.2:1
Vehicle 128 Rallye, 03.1971-1984
Motor 128 AC.000, 128 BB 1A.0,
1290 ccm, 54-55-45.6 kW, (73-75 PS
DIN 62 PS SAE), 8.5-8.9-9.2:1
Vehicle 128 Sport Coupe, 128 3P,
X1-9, 11.1971-1981
Motor 128 AS.000
1290 ccm, 54-55 kW,
(73-75 PS DIN), 8.9-9.2:1
Vehicle X1-9, 11.1972 -1979

Motor 138 AS 000 **38**
128 AS 000, 138 A2. 000
1499 ccm 60.5 / 62.5 kW (82/85 PS) 9.2:1
Vehicle X 1/9 Bertone, Ritmo,
Cabrio 1978-
Motor 138 A2 .000 , 138 B3 048,
1499 ccm, 55 kW, (75 PS),9:1
Vehicle Ritmo 75,
Regata 75 Uno SX, 1978-

Motor 138 A1/A3.000 **39**
1301 ccm, C.R 9.1:1
Vehicle Ritmo 65L, CL,
Ritmo Süper 75, XI/9,
Strada 65, 70 1978-1988



Ø 86.00 mm.
86P01

Cyl.
4

KYA
TÇP

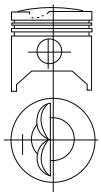
34.70
+0.60
-3.50
77.30

34.50
+0.60
-3.50
77.10

34.30
+0.60
-3.50
76.90

34.10
+0.60
-3.50
76.70

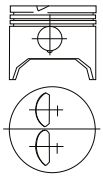
33.90
+0.60
-3.50
76.50



Ø 86.40 mm.
86P13

Cyl.
4

34.45
-2.49
77.00

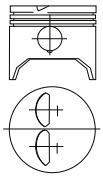


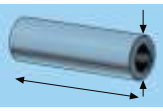
Ø 86.40 mm.
86P14

Cyl.
4

34.70
-3.65
74.00

PSP
KYA





21.99
69.00

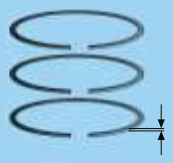


21.99
69.00

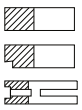


21.99
69.00

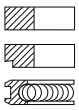




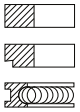
1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



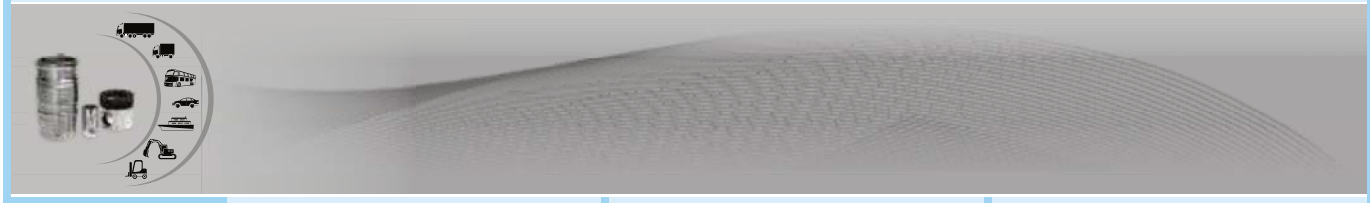




P 420 145 Std.
P 420 145 0.40
P 420 145 0.60
P 420 145 0.80
P 420 145 1.00
PR 420 145

P 420 250 Std.
P 420 250 0.40
P 420 250 0.60
PR 420 250

P 420 255 Std.
P 420 255 0.40
P 420 255 0.60
PR 420 255

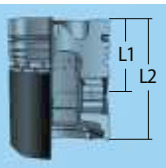




Motor 138 A1 000 **40**
138 A3. 1A. 0, 138 B2. 000
1302 ccm 48 / 51.5 kW (65/70 PS) 9.1:1
Vehicle Ritmo 65, Ritmo 70, Strada (USA) Uno 70, Regata 70.
1978-1987
Motor M 200 AA. 13.0 128 A. 3.000
1301 ccm, 55 kW, (75 PS),9:1:1
Vehicle Ritmo Super 75
01. 1981-1982

Motor 138 B3.000 **41**
1499 ccm, 60.5 kW, (82 PS), 9.2:1
Vehicle Ritmo 85.S Regata 85, Uno SX
05.1978-1987

Motor 128 A5.000 **42**
1499 ccm 55 kW (75 PS) 9:1 63,9 mm
Vehicle Ritmo 75 1,5 07.1978-09.1982
Motor 128 AS.000 B
1499 ccm 63 kW (85 PS) 9,2:1 63,9 mm
Vehicle X1/9 1.5 10.1978-10.1988
Motor 138 AS.000 B
1499 ccm 63 kW 86 PS 9,2:1 63,9 mm
Vehicle X1/9 1.5 10.1978-10.1988
Motor 138 B3.048
1499 ccm 55 kW 75 PS 9:1 63,9 mm
Vehicle Ritmo 75 1,5 07.1978-09.1982
Motor 138 C2.048 KAT
1499 ccm 55 kW 75 PS 9/9,2:1 55.5 mm
Vehicle i.e uno 75 1,5 10.1985-08.1987
Motor 149 A5.046
1499 ccm 58 kW 79 PS 9,2:1 63,9 mm
Vehicle Ritmo 75 1,5 05.1985-12.1987

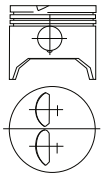






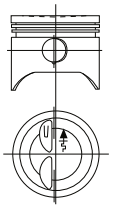
Ø 86.40 mm.
86P15

Cyl.	34.15
4	-2.41
	73.65
PSP	



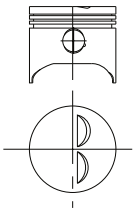
Ø 86.40 mm.
86P16

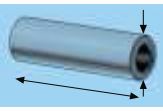
Cyl.	35.00
4	-0.60
	-3.28
	74.5
PSP	34.70
	-0.60
	-3.28
KYA	74.2
	34.40
	-0.60
	-3.28
	73.90



Ø86.40 mm.
86P17

Cyl	34.45
4	-2.49
	73.95
PSP	





21.99
69.00

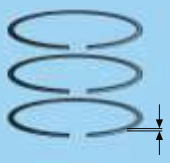


21.99
69.00

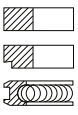


21.99
69.00

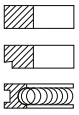




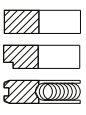
1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



1.50
2.00
3.947



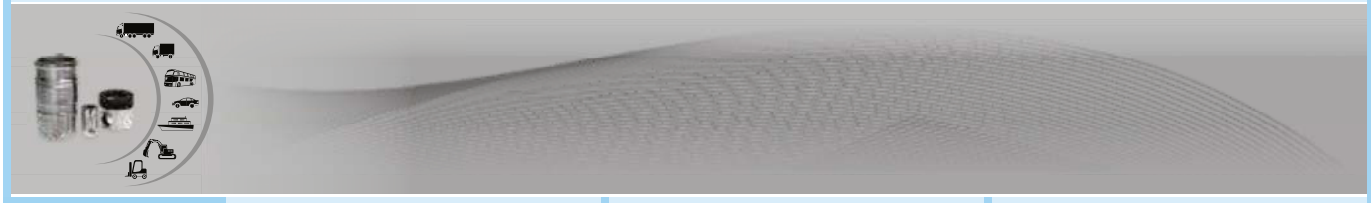




P 420 260 Std.
P 420 260 0.40
P 420 260 0.60
PR 420 260

P 420 310 Std.
P 420 310 0.40
P 420 310 0.60
PR 420 310

P 420 445 Std.
PR 420 445





Benzin Motor:M 202 PB, 15.A.000.16.M 202 PB.15.A.014.16 **43**
1581 ccm
Vehicle Tempra SX , Tempra SX AK , Tempra SX A,

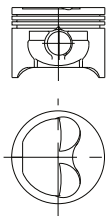
44

Motor 8142.61, 8144.61 **45**
2445 ccm, 53kW, (72 PS), 22:1
Vehicle 131 Mirofiori D, 132 D, Argetta D, Campagnola D, 1978
Motor 8140.61.200,-.230 -.300
2445 ccm, 53 kW, (72 PS) 21:1
Vehicle Daily/Grinta 30.F.8, 32.F.8, 35.F.8, 40.F.8, 900 T, 238 E, Ducato 13, Autocaro, 1978



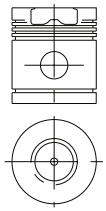
Ø86.40 mm.
86P18

Cyl	33.30
4	-3.30
	-2.25
	65.35



Ø92.40 mm.
92P15

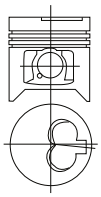
Cyl	63.00
4	-18,15
	105,00
ESP	

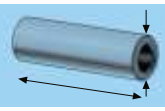


Combustion Bowl 42.10

Ø 93.00 mm.
93P01

Cyl.	55.00
4	-2.20
	90.00
PSP	
CSY	
YPO	





21.99
63.00

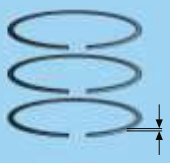


30.00
77.00

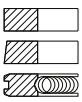


32.00
75.00

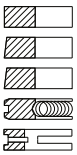




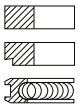
1.50
1.75
3.00



2.50
2.50
2.50
4.00
4.00

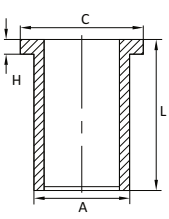


3.00 Cr
2.00 Mo
4.00 Cr



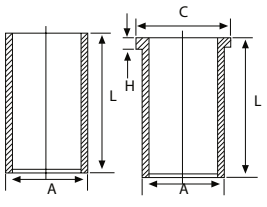


A = 90.00
C = 91.00
L = 127.00
H = 5.00



A = 96
L = 167

A = 96
C = 98.9
L = 167.3
H = 5

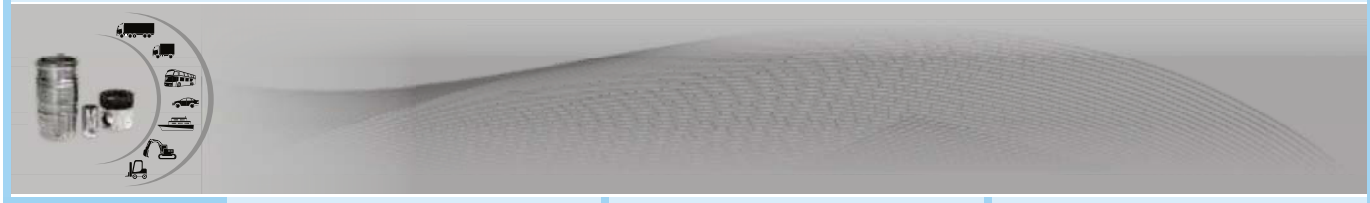




P 420 460 Std.
L 420 460
PR 420 460
K 420 460

P 420 570 Std.
PR 420 570

P 420 150 Std.
P 420 150 0.40
P 420 150 0.60
L 420 150
L 420 151
PR 420 150
K 420 150

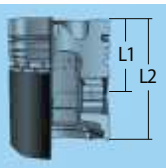




Motor 8140.27.200 **46**
2445 ccm, 75.7 kW, (103 PS), 18:1
Vehicle Turbo Daily 35.10, Daily 40, Daily 45, 1989

Motor 8140.21, 8144.21, **47**
2445 ccm, 68 kW, (92 PS), 18:1
Vehicle Ducato 14-18, 1986-

Motor 8144.67, 2000 **48**
2499 ccm, 55kW, (72 PS), 22:1
Vehicle Argenta D. Croma D. 1986-



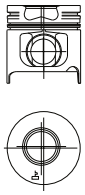




Ø 93.00 mm.
93P02

Cyl.	58.75
4	-17.90
	96.75

CSY
YPO

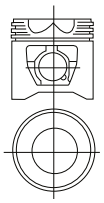


Combustion Bowl 38.00

Ø 93.00 mm.
93P03

Cyl.	59.65
4	-14.80
	97.65

PSP
CSY
YPO

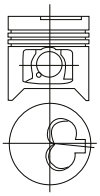


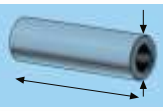
Combustion Bowl 52.20

Ø 93.00 mm.
93P04

Cyl.	54.00
4	-2.20
	89.00

PSP
CSY
YPO





32.00
75.00

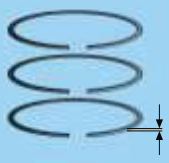


32.00
75.00

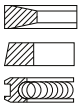


32.00
75.00

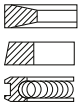




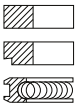
3.00 Cr
2.00 Mo
3.00 Cr



3.00 Cr
2.00 Mo
3.00 Cr

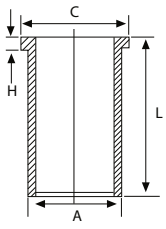


3.00 Cr
2.00 Mo
3.00 Cr

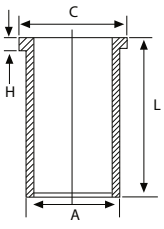




A = 96
C = 98.9
L = 171
H = 5

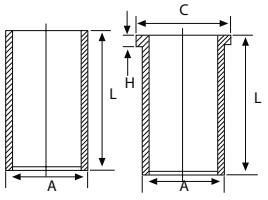


A = 96
C = 98.9
L = 171
H = 5



A = 96
L = 167

A = 96
C = 98.9
L = 167.3
H = 5



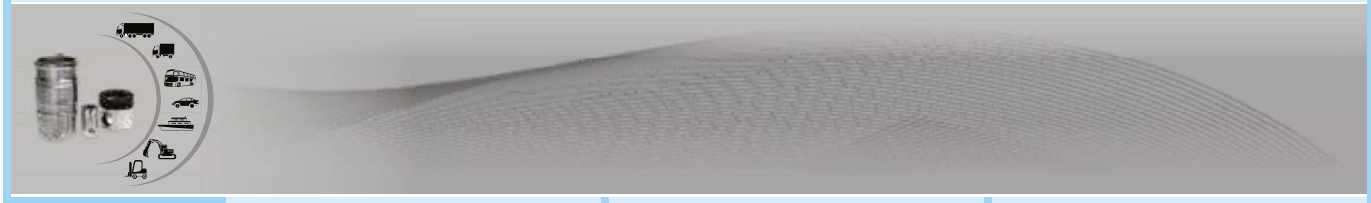


P 420 155 Std.
P 420 155 0.40
P 420 155 0.60
L 420 155
PR 420 155
K 420 155

P 420 160 Std.
P 420 160 0.40
P 420 160 0.60
L 420 160
PR 420 160
K 420 160

P 420 320 Std.
P 420 320 0.40
P 420 320 0.60
L 420 320
PR 420 320
K 420 320

L 420 321

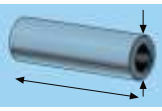




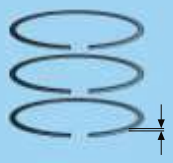
49	50	51
	Diesel Motor 8140.27.200/.210 175.7 kW (103 PS) 18:1 2499 cm3 **Vehicle** Turbo Daily 35.10, 40.10, 45.10, Turbo Daily 49.10, 1989-1994	**Diesel Motor 8140.47.2700/3700** Euro 1, 2499 cm3 84,5 KW (115 PS) 18.4: **Vehicle** Turbocharged 35.10/12, 40.12, 49.12, 59.12 **Diesel Motor 8140.47.2700/3700** Euro 1, 2499 cm3 80-80.45 KW (109-115 PS) 18.5:1 **Vehicle** 35.10/12, 40.12, 49.12, 59.12 1989



Ø 93.00 mm. 93P05	**Ø93.00 mm.** 93P06	**Ø93.00 mm.** 93P07
Cyl. 53.95 4 -2.10 88.90	Cyl 58.75 4 -17.90 96.75	Cyl 58.75 4 -18.45 96.80
CSY PSP	CSY YPO	CSY SKP PBP YPO
	Combustion Bowl 38.00	Combustion Bowl 38.10



32.00 75.00	32.00 75.00	32.00 75.00



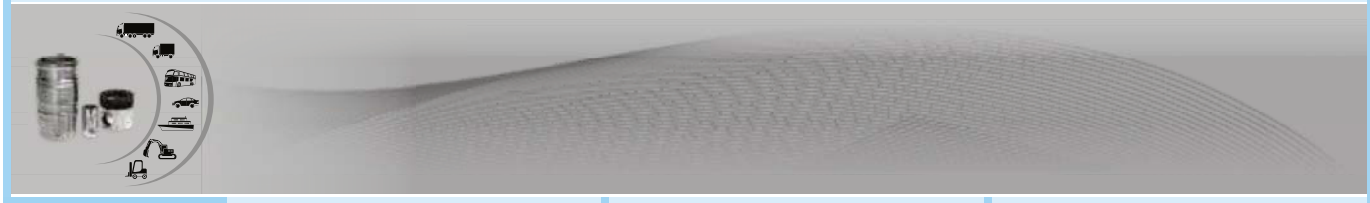
3.00 Cr 2.00 3.00 Cr	3.00 2.00 3.00	3.00 2.00 3.00



A = 96.00 C = 98.90 L = 167.30 H = 5.00	A = 96.00 C = 98.90 L = 171.00 H = 5.00	A = 96.00 C = 98.90 L = 171.00 H = 5.00



P 420 355 Std. L 420 355 PR 420 355 K 420 355	P 420 440 Std. L 420 440 PR 420 440 K 420 440	P 420 495 Std. L 420 495 PR 420 495 K 420 495

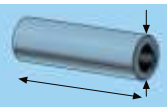




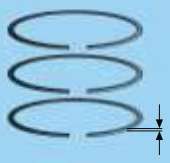
52	53	54
		Motor 8140 23.3700, 8140 23.3900, 8140 43.3728 Euro 2 R 4 Diesel, 2798 ccm , 77- 85 kW (105 - 115 PS),18,5:1 **Vehicle** Turbo LLK Motor-Nr.....2572280 35.12,59.12,Daily 49.12 Ducato 1996.. **Motor 81.40 43.3700** , Euro 2R 4 Diesel 2798 ccm , 85 kW (115 PS),18,5:1 **Vehicle** Turbo LLK Motor-Nr. ...2572280 35.12,59.12,Daily 49.12 Ducato 1996... **Motor Sofim** , Euro 2R 4 Diesel 2798 ccm , 85 kW (115 PS),18,5:1 **Vehicle** Turbo LLK Motor-Nr....2572280 Ducato 1996...



Ø94.00 mm. 94P01	**Ø94.00 mm.** 94P02	**Ø94.40 mm.** 94P09
Cyl 47.85 4 -3.15 85.35	Cyl 48.05 4 -3.10 83.15	Cyl 58.75 4 -19.45 87.60
PAK	CSY PAK YPO KMP	CSY SKP YPO
		Combustion Bowl 39.30



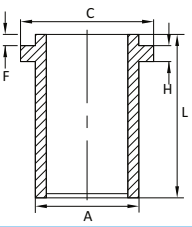
30.00 75.70	30.00 75.50	32.00 72.00



3.00 2.00 4.00	3.00 2.00 4.00	2.50 2.00 2.50

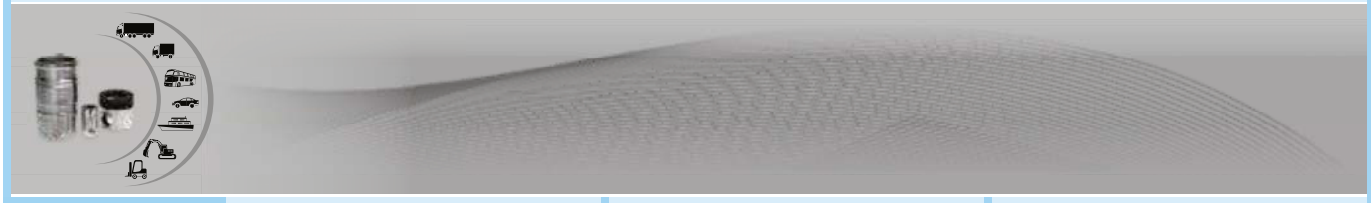


A = 97.53
C = 100.88
L = 167.00
H + F= 5.00





P 420 535 Std. PR 420 535	P 420 540 Std. PR 420 540	P 420 470 Std. L 420 470 PR 420 470 K 420 470



F

FIAT



Motor 8140 23.3700, 8140 23.3900, 8140 43.3700, 8140 43.3728 **55**
Euro 2R 4 Diesel, 2798 ccm , 77- 85 kW (105 - 115 PS),18,5:1
Vehicle Turbo LLK Motor-Nr....2572279, 35.12,59.12,Daily 49.12 Ducato 1996

Motor 8140 63.2200, Sofim, Euro 2 **56**
R 4 Diesel, 2798 ccm,
63 kW (85 PS), 21,7:1
Vehicle 30.8 New Daily,
35.8 New Daily, Ducato

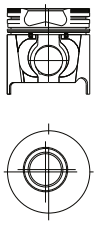
Motor 802.000, 8025.01, **57**
1560 ccm, 18 kW, (25 PS),
Motor 803.000, 8035.01
2340 ccm, 28-37.5 kW, (38-51 PS),
Motor 804.000, 8045.01
3120 ccm, 40-51.5 kW, (54-70 PS),
Motor 806.000, 8065.01.000
4678 ccm, 66-81 kW, (90-110 PS)17:1
Vehicle Tractor 225, 250, 255, 300, 350, 355, 400, 420, 450, 455, 460, 470, 480, 500, 550, 555, 615 N 2, 625 N 2, 650 N 2, 662 N 2, 900, 314.2, 416 A, 418 AL, FL4C, AD4, 1966-



Ø94.40 mm.
94P10

Cyl	58.75
4	-19.45
	96.75

CSY
SKP
YPO

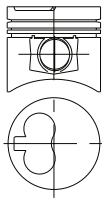


Combustion Bowl 39.30

Ø94.40 mm.
94P11

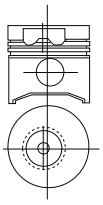
Cyl	54.95
4	-2.60
	89.95

CSY
YPO
KMP

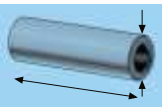


Ø 95.00 mm.
95P04

Cyl.	59.65
2/3/4/6	-23.50
	101.65



Combustion Bowl 42.50



32.00
78.00

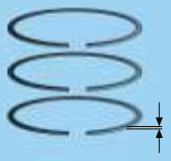


32.00
68.00

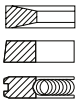


32.00
84.00

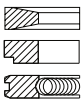




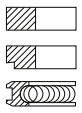
3.00
2.00
3.00



3.00
2.00
2.50

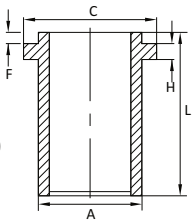


2.50 Cr
2.50
5.50 Cr

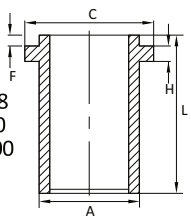




A = 97.53
C = 100.88
L = 167.00
H + F= 5.00



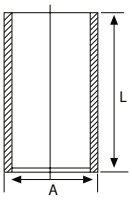
A = 97.53
C = 100.88
L = 167.00
H + F= 5.00



A = 99
L = 187.5

A = 99.5
L = 187.5

A = 100
L = 187.5



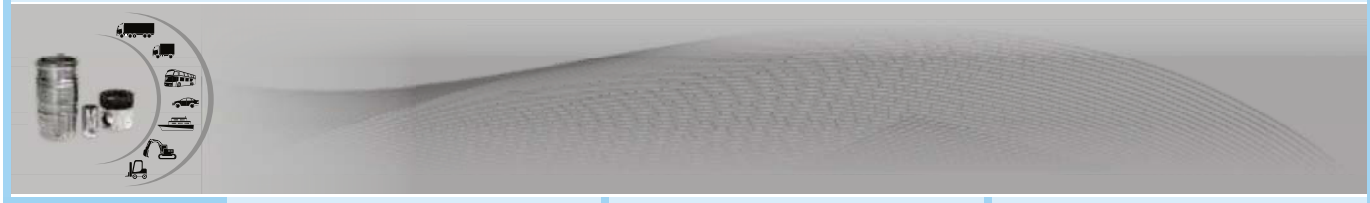


P 420 475 Std.
L 420 475
PR 420 475
K 420 475

P 420 485 Std.
L 420 485
PR 420 485
K 420 485

P 420 165 Std.
P 420 165 0.40
P 420 165 0.60
P 420 165 1.00
L 420 165
PR 420 165
K 420 165

L 420 166
L 420 167





Diesel Motor 433, 649, D2800 **58**
4/6 cyl
Vehicle W Grader, Harvester
860 Combine F
Tractor 180,185D, 190, 190XT

Motor 8025.02 **59**
1727 ccm, 24kW, (32 PS), 17:1
Motor 8030.02, 8035.02,
2592 ccm, 46 kW, (61.5 PS), 17:1
Motor 8040.02, 8045.02,
3456 ccm, 60 kW, (81.5 PS), 17:1
Motor 8060.02
5184 ccm, 90 kW, (122 PS), 17:1
Vehicle 616, 625, 650, 662, Tractor 350, 355, 480, 500, 505, 540, Movterra 4, AD 4, FL 4 C, 4 D, 600, 605, 640, 670, 680, TL 5, 1970-1972

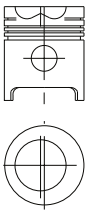
Motor 8025.02 **60**
1728 ccm, 24 kW, (32 PS),17:1, 2 Cyl.
Motor 8030.02, 8035.02
Vehicle Tractor 300, 350, 355,
2592 ccm, 33-45.5 kW,
(45-62 PS),17:1, 3 Cyl.
Vehicle Tractor 400, 440, 446, 450, 455, 465, 466, 470, 474, 480, 488,500, 505,540, R 8046, C 8050, C 8060, Movterra 4, AD 4, FL 4 C, Benfra 115, 616, N 3
Motor 8040.02, 8045.02,
3456 ccm, 44-60 kW,
(60-82 PS), 17:1, 4 Cyl.
Vehicle 616 N, 625 N, 329, Baurihe 40-50-55-65, Tractor 600, 605, 640, 665, 666, 670, 680, 688, R 8070, C 8070, Movterra TL 5
Motor 8060.02, 8065.02,
5187 ccm, 70-90 kW,
(95-122 PS),17:1, 6 Cyl.
Vehicle Baureihe 75-80-90-100-110-662 N3, 672 N, Tractor 980, 1000, 1180, M 112, FL 7, 1972-



Ø98.42 mm.
98P12

Cyl	63,85
4/6	-15,00
	116.25

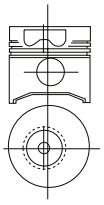
CSY



Combustion Bowl 62.90

Ø 100.00 mm.
100P02

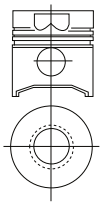
Cyl.	59.65
2/3/4/6	-23.65
	101.15



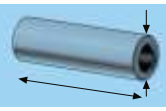
Combustion Bowl 45.30

Ø 100.00 mm.
100P03

Cyl.	59.65
2/3/4/6	-23.70
	101.15



Combustion Bowl 47.00



31.80
85.00

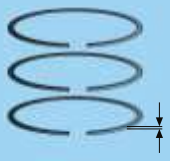


32.00
84.00

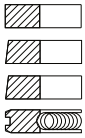


32.00
84.00

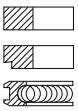




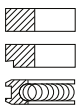
2.385
2.385
2.385
4.747



2.50 Mo
2.50 Mo
5.50 Cr

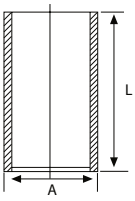


2.50 Mo
2.50 Mo
5.50 Cr





A = 103
L = 187.5



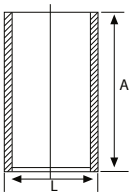
A = 103.5
L = 187.5

A = 104
L = 187.5

A = 103
L = 187.5

A = 103.5
L = 187.5

A = 104
L = 187.5





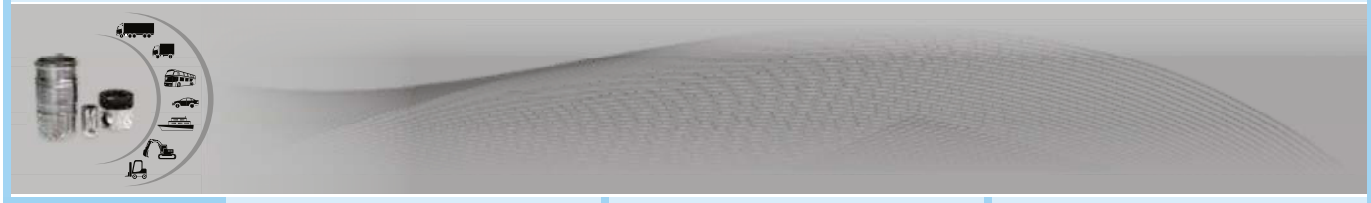
P 420 450 Std.
PR 420 450

P 420 170 Std.
P 420 170 0.60
L 420 170
PR 420 170
K 420 170

L 420 171
L 420 172

P 420 175 Std.
P 420 175 0.60
L 420 175
PR 420 175
K 420 175

L 420 176
L 420 177



F

FIAT



Motor 8065.00.000, 008.201 **61**
3556 ccm, 45/48/50 kW, 17:1
Vehicle Tümosan-Türk tractor

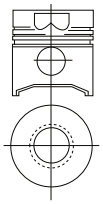
Motor 8025.02 **62**
1728 ccm, 24 kW, (32 PS),17:1, 2 Cyl.
Motor 8030.02, 8035.02
Vehicle Tractor 300, 350, 355,
2592 ccm, 33-45.5 kW,
(45-62 PS), 17:1, 3 Cyl.
Vehicle Tractor 400, 440, 446, 450,
455, 465, 466, 470, 474, 480,
488,500, 505, 540, R 8046, C 8050, C 8060,
Movterra 4, AD 4, FL 4 C, Benfra 115, 616, N 3
Motor 8040.02, 8045.02,
3456 ccm, 44-60 kW, (60-82 PS),
17:1, 4 Cyl.
Vehicle 616 N, 625 N, 329, Baurihe
40-50-55-65, Tractor 600, 605,
640, 665, 666, 670, 680, 688, R 8070,
C 8070, Movterra TL 5
Motor 8060.02, 8065.02,
5187 ccm, 70-90 kW, (95-122 PS),
17:1, 6 Cyl.
Vehicle Baureihe 75-80-90-100-110-
662 N3, 672 N, Tractor 980, 1000,
1180, M 112, FL 7, 1972-

63



Ø 100.00 mm.
100P04

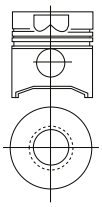
Cyl. 65.10
4 -22.70
108.50



Combustion Bowl 49.00

Ø 100.00 mm.
100P05

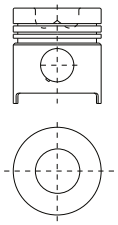
Cyl. 59.55
2/3/4/6 -23.50
101.30



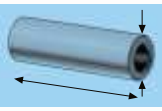
Combustion Bowl 47.00

Ø 100.00 mm.
100P06

Cyl. 65.10
4 -22.70
108.50



Combustion Bowl 49.30



38.00
85.00

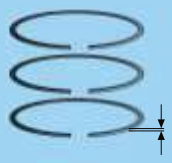


34.00
84.00

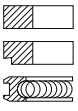


38.00
85.00

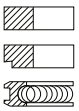




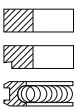
2.50 Mo
2.50 Mo
4.00



2.50
2.50
4.00



2.50
2.50
5.50

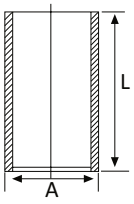




A = 103.00
L = 187.50

A = 103.50
L = 187.50

A = 104.00
L = 187.50



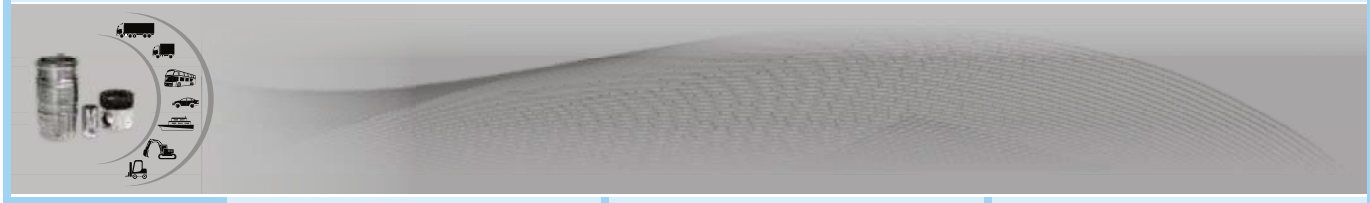


P 420 180 Std.
PR 420 180

P 420 340 Std.
L 420 340
PR 420 340
K 420 340

L 420 341
L 420 342

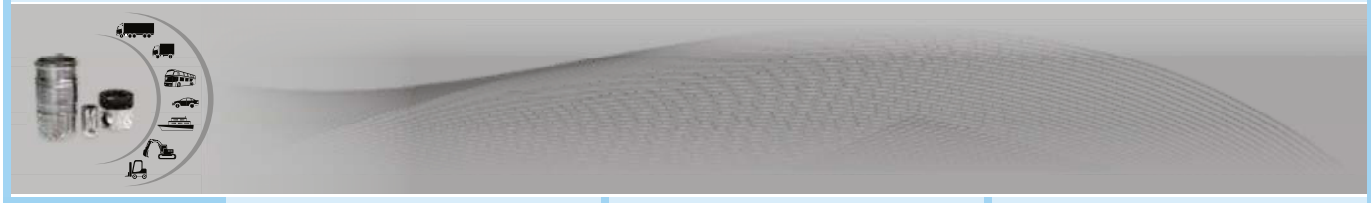
P 420 400 Std.
PR 420 400



Motor 8065.00.000, 008.201
3556 ccm, 45/48/50 kW , 17:1
Vehicle Tümosan-Türk tractor



	64	65	66
	Ø100.00 mm. 100P07	**Ø100.00 mm.** 100P08	**Ø100.00 mm.** 100P09
	Cyl 4 65.10 -22.70 108.50 CSY	Cyl 4 65.10 -23.65 108.50	Cyl 65.15 -22.70 108.50
	Combustion Bowl 49.20	Combustion Bowl 45.30	Combustion Bowl 49.55
	38.00 85.00	38.00 85.00	38.00 85.00
	2.50 2.50 5.50	2.50 2.50 4.00	2.50 2.50 4.00
		A = 103.00 L = 187.50	
	P 420 505 Std. PR 420 505	P 420 585 Std. L 420 585 PR 420 585 K 420 585	P 420 610 Std. PR 420 610





67

68

Motor Tector C.rail Euro 3
3920 ccm, 130-150 PS,
Vehicle 130 E 15 - 85 E 13 Eurocargo
Eurobus 31.17 , 35.17 2005

5880 ccm, 210-240 PS,
Vehicle 100 E 18 - 150 E 21 - 160 E 24
180 E 28 - 220 E 21 - 250 E 24
Eurocargo 2005

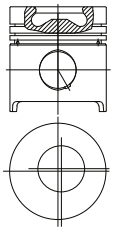
69

Motor 8031.04
2749 ccm, 37-38 kW, (50-52 PS),17:1
Vehicle FL 4 Benfra 215
Motor 8035.04
2748 cm, 40-43 kW, (55-58 PS), 17:1
Vehicle Tractor 505, 566, 570, 580, 588,
R 8056, 565 C, C 8066,
Motor 8040.04.200
3666 ccm, 63 kW, (85 PS), 17:1
Vehicle Baureihe 50-55,
Motor 8041.04.8045.04.300
3666 ccm, 45-57 kW, (66-78 PS), 17:1
Vehicle Tractor 766, 780, 788, C-R 8076, FL 4,
FL 5, FL- FR 7, FR 9, FR 12, FE 14, 765 C, 855 C,
Motor 8055.04.200
4583 ccm, 63-66 kW, (80-90 PS), 17:1
Vehicle Tractor 880, 955 C, FR 7,
Motor 8060.04.060, 8060.24
5499 ccm, 96-123.5 kW,
(130-168 PS), 17:1
Vehicle Baureihe 65-79-80-90-95-100-110, 315
Vehicle Tractor 880, 955 C, FR 7,
Motor 8065.04.2
5496 ccm, 60-85 kW, (82-115 PS),17:1
Vehicle Tractor 1000 S, 1180, FL 7, 1978-



Ø100.00 mm.
100P10

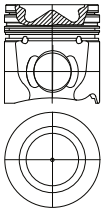
Cyl
65.30
-20.20
108.65



Combustion Bowl 48.20

Ø102.00 mm.
102P15

Cyl
4/6
70.00
-18.55
105.30

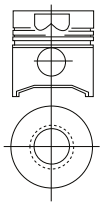


CSY
SKP
YPO

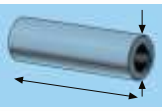
Combustion Bowl 56.50

Ø 103.00 mm.
103P01

Cyl.
3/4/5/6
59.65
-22.70
101.15



Combustion Bowl 50.00



38.00
85.00

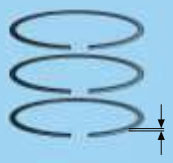


40.00
82.50

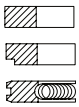


34.00
89.80

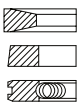




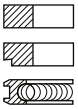
2.50
2.50
4.00



3.00
2.385
4.00 Cr

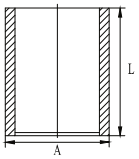


2.50 Cr
2.50 Cr
4.00 Cr



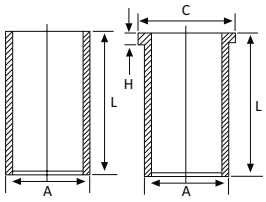


A = 104.565
L = 200.00



A = 107
L = 187.5

A = 106.97
C = 109.83
L = 187
H = 5



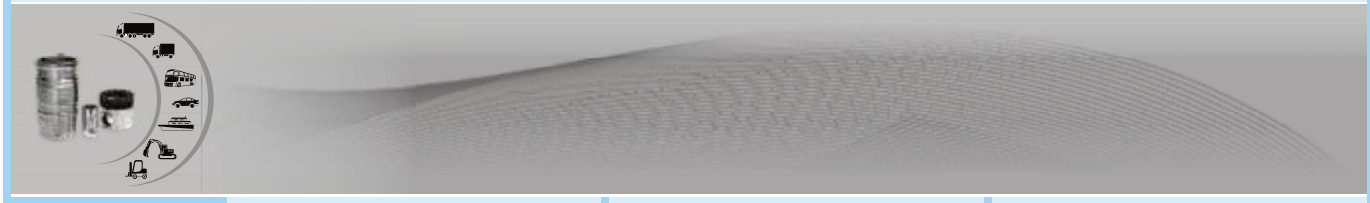


P 420 605 Std.
PR 420 605

P 420 590 Std.
L 420 590
PR 420 590
K 420 590

P 420 185 Std.
P 420 185 0.60
L 420 185
PR 420 185
K 420 185

L 420 186





dto., **70**

71

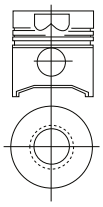
Motor 8030. 05 **72**
2931 ccm, 44 kW, (60 PS),17:1
Vehicle Tractor 60-66, 60-90
Motor 8040. 05
3908 ccm, 59 kW, (80 PS),17:1
Vehicle Baureihe 50-65, 80-90
Motor 8050. 05
4885 ccm, 66 kW, (90 PS),17:1
Vehicle Tractor 90-90
Motor 8060. 05. 000,
5862 ccm, 79-101.5 kW,
(108-138 PS),17:1
Vehicle Baureihe 79.14 -115.14 115-90
FD 9, FL 10, 1986



Ø 103.00 mm.
103P02

Cyl.	59.65
3/4/5/6	-22.70
	101.15

CSY

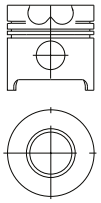


Combustion Bowl 50.00

Ø103.00 mm
103P03

Cyl	59.65
6	-22.70
	101.15

CSY

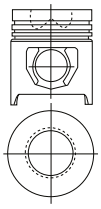


Combustion Bowl 50.00

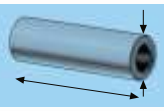
Ø 104.00 mm.
104P01

Cyl.	65.15
3/4/5/6	-22.50
	108.50

CSY
KMP



Combustion Bowl 52.20



34.00
89.80

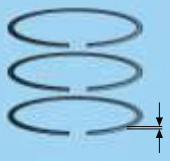


34.00
89.80

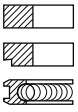


38.00
85.00

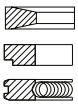




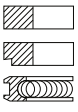
2.50 Cr
2.50 Cr
4.00 Cr



3.00
2.50
4.00



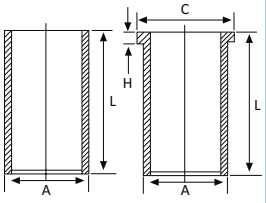
2.50 Mo
2.50
4.00 Mo





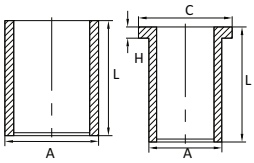
A = 107
L = 187.5

A = 106.97
C = 109.83
L = 187
H = 5

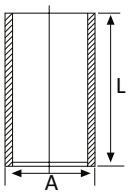


A = 106.97
C = 109.83
L = 187
H = 5

A = 107
L = 187.50



A = 107
L = 187.5





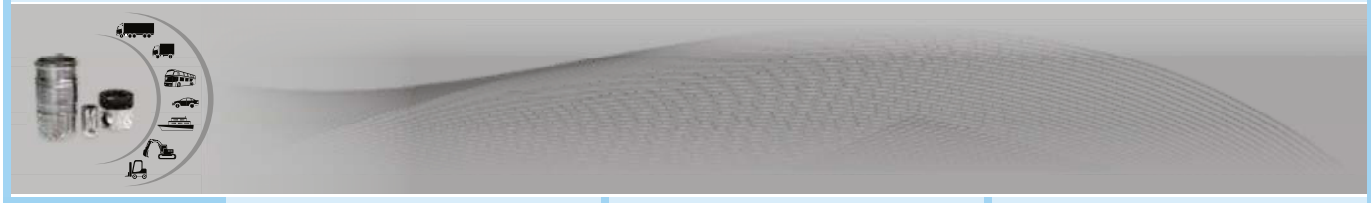
P 420 190 Std.
P 420 190 0.60
L 420 190
PR 420 190
K 420 190

L 420 191

P 420 500 Std.
L 420 500
PR 420 500
K 420 500

L 420 501

P 420 240 Std.
L 420 240
PR 420 240
K 420 240



F

FIAT



Motor 8035.05.000 **73**
2981 ccm, 37-43 kW, (50-59 PS),17:1
Vehicle Tractor 60.65, 60.66, 60.90, FL 4
Motor 8045.05.000
3908 ccm, 52-59 kW, (71-80 PS),17:1
Vehicle 80.65, 80.66, 80.90, 85.95, FL 4, FL-FD 5, FR-FB-FL-FD 7, FR 9, FR 10, FE 12
Motor 8055.05.000,
4885 ccm, 72 kW, (98 PS),17:1
Vehicle Tractor 90.90, 95.55
Motor 8065. 05. 000,
5862 ccm, 63-88 kW, (86-120 PS),17:1
Vehicle 115.90, FD 7, FL 7

Motor 8060.25620 **74**
5861 ccm, 88-110 kW ,
(120-150 PS), 19.5:1
Vehicle Z 220 T, Z 230 T ,Z 340 T, Z 435 T, Z 450 T, 1986-

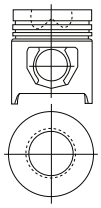
Diesel Motor **75**
3907 ccm, 74/84,
5 kW (101/115 PS), 16.5:1;
Vehicle,
60.11, 65.12, 79.12
Diesel Motor:
5861 ccm, 130 kW (177 PS),
16.5:1; 115 mm Hub
Vehicle,
115.17, 135,17, 175.15, 1986-



Ø 104.00 mm.
104P02

Cyl.	65.15
3/4/5/6	-22.50
	108.50

KMP

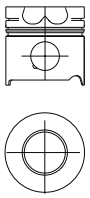


Combustion Bowl 52.20

Ø104.00 mm.
104P03

Cyl	65.15
6	-22.30
	108.50

CSY
YPO

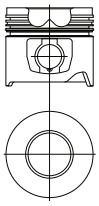


Combustion Bowl 54.35

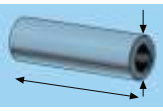
Ø 104.00 mm.
104P04

Cyl	65.15
4/6	-22.50
	104.15

CSY
YPO
KMP



Combustion Bowl 54.35



38.00
85.00

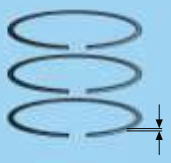


38.00
89.00

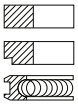


38.00
85.00

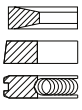




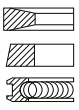
2.50 Mo
2.50
4.00 Cr



3.00
2.50
4.00

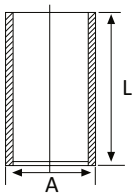


3.00 Mo
2.50
4.00 Cr

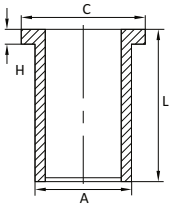




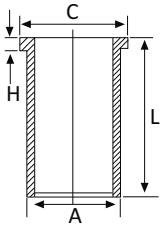
A = 107
L = 198



A = 106.94
C = 109.83
L = 198.00
H = 5.00



A = 106.94
C = 109.83
L = 198.00
H = 5.00

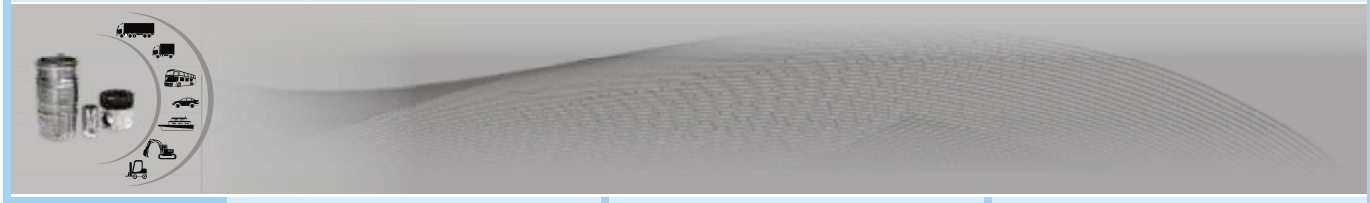




P 420 305 Std.
L 420 305
PR 420 305
K 420 305

P 420 325 Std.
L 420 325
PR 420 325
K 420 325

P 420 350 Std.
L 420 350
PR 420 350
K 420 350





Motor 8040.05 **76**
3908 ccm, 80 kW, (109 PS), 17,7:1
Motor 8040.25.400
3908 ccm, 85 kW, (115-116 PS)
Vehicle 60 E 12 EuroCargo
01.1991- 05.1996
Motor 8060.25
5861 ccm 130kW , (177 PS), 17,7:1
Motor 8060.25
5861 ccm, 105-130 kW (143-177 PS)
Vehicle 120 E 18 EuroCargo 1986-1991

Motor 8040.45.4000, 8040.45.4010, 8040.45.4020, 8040.45.4030, 8040.45.4035, 8040.45.4090, **77**
3908 ccm, 100 kW, (136 PS), 17,7:1
Vehicle E 12 EuroCargo 65, 01.1991-12.1992, E 14 EuroCargo 65, 01.1991-1995
Motor 8040.45.41, 8040.45.4180,
3908 ccm, 100 kW, (136 PS), 17:1
Vehicle E 14 EuroCargo 65, EuroCargo 75, E 14 EuroCargo 75, 01.1992-12.1992, 01.1991-1995
Motor 8040.45.4300, 8040.45.4305, 8040.45.4380, 8040.45.4381, 8040.45.4800,
3908 ccm, 100 kW, (136 PS), 17,7:1
Vehicle E 14 EuroCargo 75 , 01.1991-1995
Motor 8060.45.4100, 8060.45.4150 Euro 1, 8060.45.4180 Euro 1, 8060.45.4700 Euro 1, 8060.45.4708 Euro 1,
5861 ccm, 152 kW, (207 PS), 17:1
Vehicle EuroCargo 80, 01.1991 E 21 EuroCargo 95, 01.1991-1996
Motor 8060.45.5200 Euro
25861 ccm, 152 kW, (207 PS), 18:1
Vehicle E 21 EuroCargo 95, 1996
Motor 8060.45.600 ,
5861 ccm, 152 kW, (207 PS), 17:1
Vehicle EuroCargo 95, 01.1983-12.1994

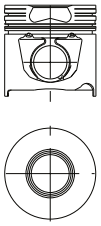
Motor 8060.45 **78**
5861 ccm, 167 kW, (227 PS), 115 mm 10.1991-



Ø104.00 mm.
104P05

Cyl 65.33
4/6 -21.00
104.33

CSY
YPO
KMP

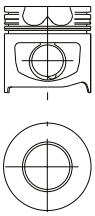


Combustion Bowl 46.00

Ø104.00 mm.
104P06

Cyl 65.33
4/6 -22.10
104.33

CSY
YPO

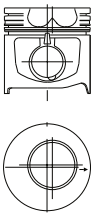


Combustion Bowl 54.00

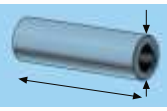
Ø104.00 mm.
104P07

Cyl 65.33
4/6 -22.10
104.33

CSY
YPO
KMP



Combustion Bowl 54.45



38.00
85.00

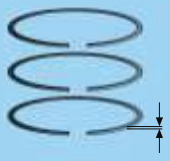


38.00
85.00

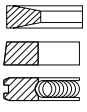


38.00
85.00

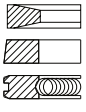




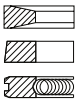
3.50
2.50
4.00



3.50
2.50
4.00



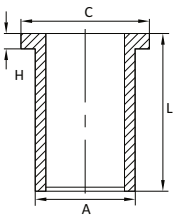
3.50
2.50
4.00



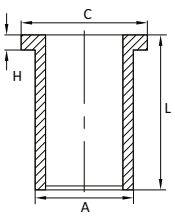


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C = 109.83
L = 198
H = 5

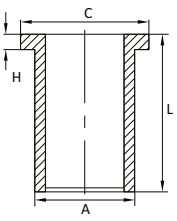
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C = 109.83
L = 198.00
H = 5



A = 106.94
C = 109.83
L = 198.00
H = 5.00



A = 106.94
C = 109.83
L = 198.00
H = 5.00

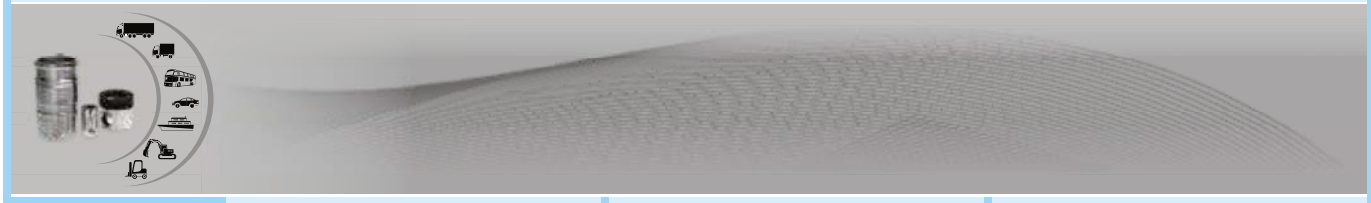




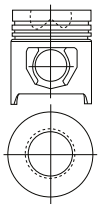
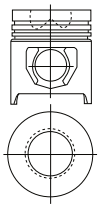
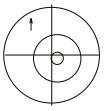
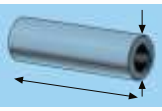
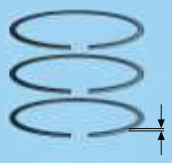
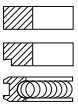
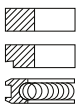
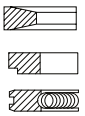
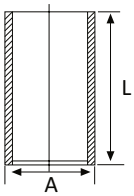
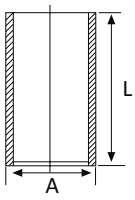
P 420 370 Std.
L 420 370 L 420 371
PR 420 370
K 420 370

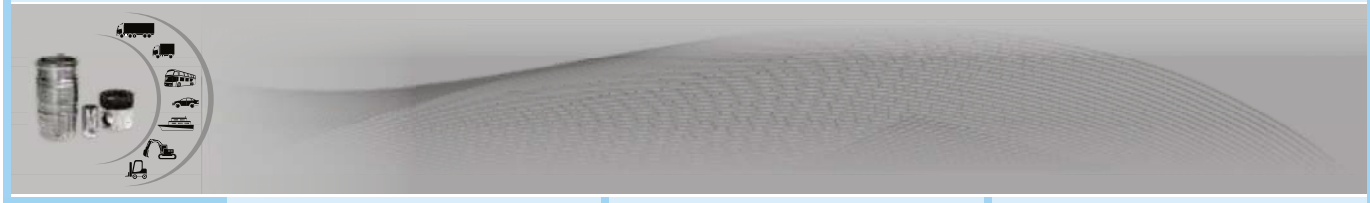
P 420 525 Std.
L 420 525
PR 420 525
K 420 525

P 420 530 Std.
L 420 530
PR 420 530
K 420 530





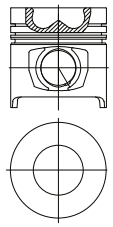
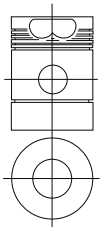
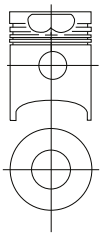
	79	80	81
	Motor 8035.05.000 2981 ccm, 37-43 kW, (50-59 PS),17:1 **Vehicle** Tractor 60.65, 60.66, 60.90, FL 4 **Motor 8045.05.000** 3908 ccm, 52-59 kW, (71-80 PS),17:1 **Vehicle** 80.65, 80.66, 80.90, 85.95, FL 4, FL-FD 5, FR-FB-FL-FD 7, FR 9, FR 10, FE 12 **Motor 8055.05.000,** 4885 ccm, 72 kW, (98 PS),17:1 **Vehicle** Tractor 90.90, 95.55 **Motor 8065. 05. 000,** 5862 ccm, 63-88 kW, (86-120 PS),17:1 **Vehicle** 115.90, FD 7, FL 7	**Motor 8035.05.000** 2981 ccm, 37-43 kW, (50-59 PS),17:1 **Vehicle** Tractor 60.65, 60.66, 60.90, FL 4 **Motor 8045.05.000** 3908 ccm, 52-59 kW, (71-80 PS),17:1 **Vehicle** 80.65, 80.66, 80.90, 85.95, FL 4, FL-FD 5, FR-FB-FL-FD 7, FR 9, FR 10, FE 12 **Motor 8055.05.000,** 4885 ccm, 72 kW, (98 PS),17:1 **Vehicle** Tractor 90.90, 95.55 **Motor 8065. 05. 000,** 5862 ccm, 63-88 kW, (86-120 PS),17:1 **Vehicle** 115.90, FD 7, FL 7	
	**Ø 104.00 mm.** 104P08 Cyl. 3/4/5/6 65.15 -22.50 108.50 KMP  Combustion Bowl 52.00	**Ø 104.00 mm.** 104P09 Cyl. 3/4/5/6 65.15 -22.50 108.50 CSY KMP  Combustion Bowl 52.00	**Ø104.00 mm.** 104P10 Cyl 62.40 -24.26 96.42  CSY YPO  Combustion Bowl 52.45
	38.00 85.00 	38.00 85.00 	38.00 81.50 
	2.50 Mo 2.50 5.50 Cr 	2.50 Mo 2.50 5.50 Cr 	3.00 2.50 4.00 
	A = 107 L = 198 	A = 107 L = 198 	
	P 420 575 Std. L 420 575 PR 420 575 K 420 575	P 420 580 Std. L 420 580 PR 420 580 K 420 580	P 420 595 Std. PR 420 595

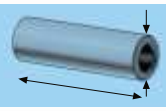




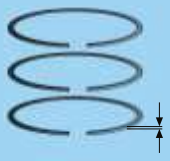
82	83	84
	Motor CO 2/60, 4397 ccm, 44-48.5 kW, (60-66 PS), 16:1 **Vehicle** Tractor 60 CA, 513 R, 615/DT, 1966-1969	**Motor CN 3D** 3706 ccm, 47.8 kW, (65 PS), 17.4:1 **Vehicle** Tractor 650, 655, movterra 5, AD 5 **Motor CO 3 D, CP 3/80** 4940 ccm, 63-81 kW, (85-110 PS), 16-17:1 **Vehicle** Tractor 750, 800, 805 C, 850, 880, **Motor CP 3 D, CP 3-100,** 7412 ccm, 97-107-110 kW, (132-145-150 PS DIN), 17.4:1 **Vehicle** 130, 673, Tractor 1300, mov terra 9, AD, BD, FL 10, SL 11, S-SR 70, S-90, S 105 B, 100 C, 110 C, 120 C, 1968-

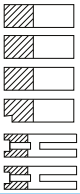
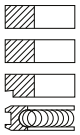


Ø104.00 mm. 104P11	**Ø 108.00 mm.** 108P01	**Ø 110.00 mm.** 110P01
Cyl 65.15 -22.45 108.60	Cyl. 4 80.20 -26.50 145.20	Cyl. 3/4/6 70.20 -28.00 140.20
	ESP 	CSY 
Combustion Bowl 54.45	Combustion Bowl 49.00	Combustion Bowl 55.00

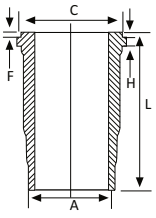
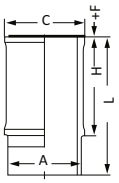


38.00 85.00 	38.00 88.00 	40.00 93.00 



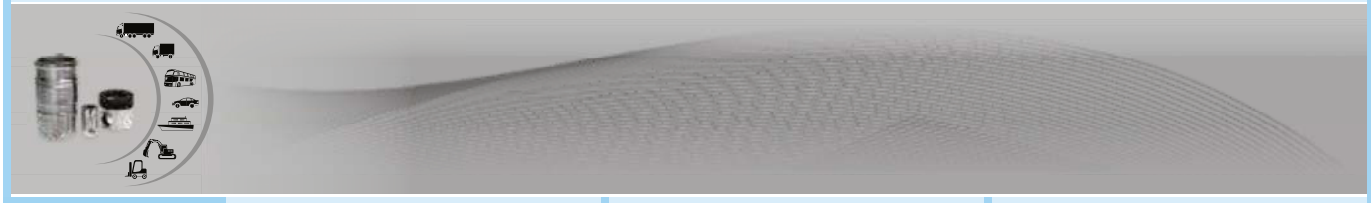
3.00 Tr 2.50 4.00 	2.50 Cr 2.50 2.50 2.50 5.00 5.00 	2.50 Cr 2.50 2.50 5.00 Cr 



	A = 116.00 C = 128.00 L = 243.00 H + F=150+1 	A = 118 C = 129.5 L = 236 H + F=170+1 



P 420 615 Std. PR 420 615	P 420 195 Std. L 420 195 PR 420 195 K 420 195	P 420 200 Std. L 420 200 PR 420 200 K 420 200





Motor CN 3D **85**
3706 ccm, 47.8 kW, (65 PS), 17.4:1
Vehicle Tractor 650, 655,
movterra 5, AD 5
Motor CO 3 D, CP 3/80
4940 ccm, 63-81 kW, (85-110 PS), 16-17:1
Vehicle Tractor 750, 800, 805 C, 850, 880,
Motor CP 3 D, CP 3-100,
7412 ccm, 97-107-110 kW,
(132-145-150 PS DIN), 17.4:1
Vehicle 130, 673, Tractor 1300,
mov terra 9, AD, BD, FL 10, SL 11, S-SR 70, S-90, S 105 B, 100 C, 110 C, 120 C,
1968-

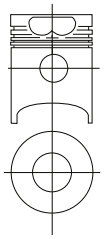
Motor CO, 3/75 **86**
4562 ccm, 64.7-66 kW, (88-90 PS), 17:1
Vehicle Tractor 750, 805, 850, 880,
FL 6, Baureihe 65, 70, 75, 1968-

Motor CO, 3/75 **87**
4562 ccm, 64.7-66 kW, (88-90 PS),17:1
Vehicle Tractor 750, 805, 850, 880,
FL 6, Baureihe 65, 70, 75, 1968-



Ø 110.00 mm.
110P02

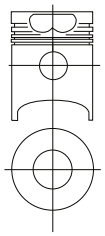
Cyl.	70.20
3/4/6	-28.00
	140.20
DP	



Combustion Bowl 55.00

Ø 110.00 mm.
110P03

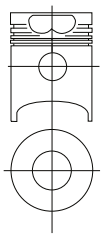
Cyl.	75.20
4	-27.50
	150.20



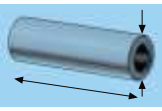
Combustion Bowl 51.00

Ø 110.00 mm.
110P04

Cyl.	75.20
4	-27.50
	150.20
CSY	



Combustion Bowl 51.00



40.00
93.00

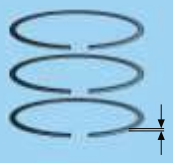


40.00
93.00

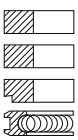


40.00
93.00

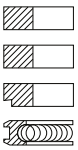




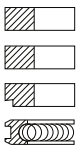
2.50 Cr
2.50
2.50
5.00 Cr



2.50 Cr
2.50
2.50
5.00 Cr

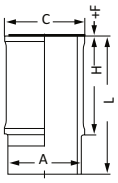


2.50 Cr
2.50
2.50
5.00 Cr

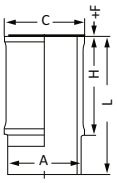




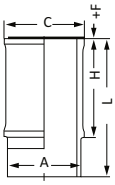
A = 118
C = 129.5
L = 236
H + F=170+1



A = 118
C = 129.5
L = 236
H + F=170+1



A = 118.00
C = 129.50
L = 236.00
H + F=170+1

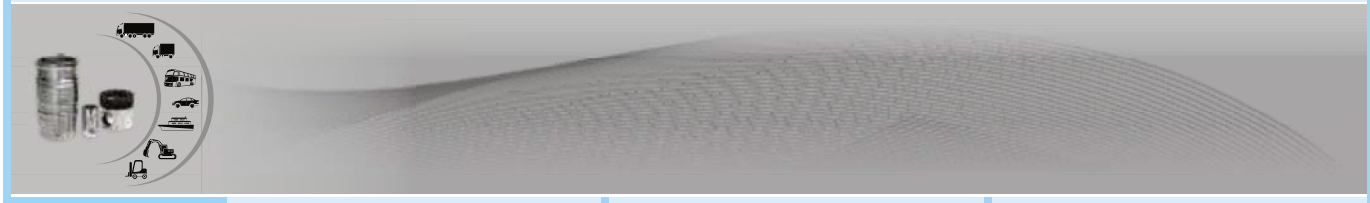




P 420 205 Std.
L 420 205
PR 420 205
K 420 205

P 420 210 Std.
L 420 210
PR 420 210
K 420 210

P 420 335 Std.
L 420 335
PR 420 335
K 420 335





Motor 8340.04.000 **88**
4561 ccm, 66-73.5 kW,
(90-100 PS), 17:1
Vehicle Baureihe 50, 55, 65, 70, 75, 79,
1977-1987

Motor CO 3/130 **89**
5401 ccm, 68 kW, (93 PS), 17:1
Vehicle FL 9,
Motor 8340.05.000
5401 ccm, 78 kW, (106 PS), 17:1
Vehicle Tractor CO 3-130 T, 1977-
Motor 8360.05.000, 8361.01/.05,
8102 ccm,117-119 kW, (159-161 PS) 17:1
Vehicle Baureihe140, 150, 159, 1979-
Motor 8365.05.500,
8102 ccm, 94/114 kW, (128-155 PS), 17:1
Vehicle Tractor 1580, 1355 C, FL 10,
FE 20, FE 24, FG 75

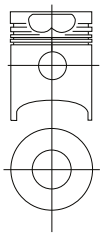
Motor 8365.25.500 **90**
8102 ccm, 129 kW, (175 PS), 15.5:1
Vehicle 1980-,



Ø 115.00 mm.
115P01

Cyl. 76.50
4 -27.00
140.50

CSY

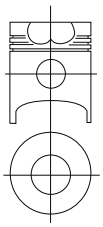


Combustion Bowl 52.00

Ø 115.00 mm.
115P02

Cyl. 76.50
4/6 -29.40
140.50

CSY

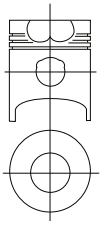


Combustion Bowl 54.00

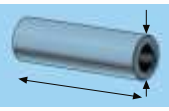
Ø 115.00 mm.
115P03

Cyl. 76.50
6 -29.00
140.50

CSY



Combustion Bowl 59.30



42.00
97.00

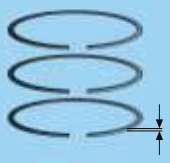


42.00
97.00

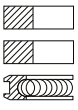


42.00
97.00

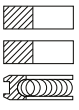




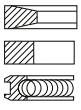
2.50 Cr
2.50
4.00 Cr



2.50 Cr
2.50
4.00 Cr

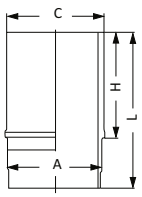


3.00 Cr
2.50 Cr
4.00 Cr

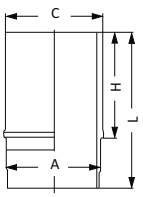




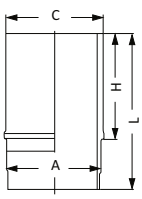
A = 122
C = 129.90
L = 215.50
H = 147



A = 122.00
C = 129.00
L = 235.50
H = 167.00



A = 122.00
C = 129.00
L = 235.50
H = 167.00

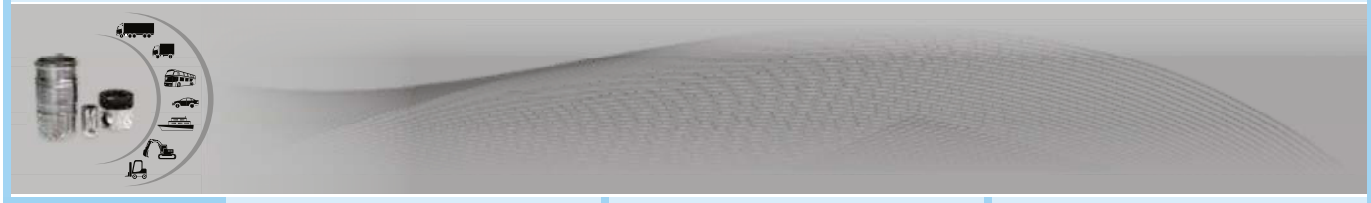




P 420 215 Std.
L 420 215
PR 420 215
K 420 215

P 420 220 Std.
L 420 220
PR 420 220
K 420 220

P 420 315 Std.
L 420 315
PR 420 315
K 420 315



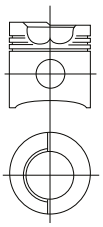
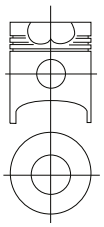
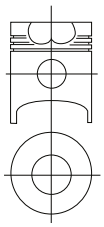
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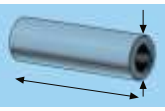
FIAT



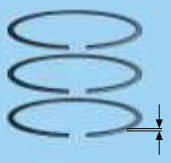
Motor 8361.45 8101 ccm, **Vehicle** Turbocharged intercooler	**91**	**Motor CO 3/130** 5401 ccm, 68 kW, (93 PS), 17:1 **Vehicle** FL 9, **Motor 8340.05.000** 5401 ccm, 78 kW, (106 PS), 17:1 **Vehicle** Tractor CO 3-130 T, 1977- **Motor 8360.05.000, 8361.01/.05,** 8102 ccm,117-119 kW, (159-161 PS) 17:1 **Vehicle** Baureihe140, 150, 159, 1979- **Motor 8365.05.500,** 8102 ccm, 94/114 kW, (128-155 PS), 17:1 **Vehicle** Tractor 1580, 1355 C, FL 10, FE 20, FE 24, FG 75	**92**	**Motor 8361.45** 8101 ccm, Turbocharged intercooler	**93**



Ø 115.00 mm. 115P04		**Ø 115.00 mm.** 115P05		**Ø 115.00 mm.** 115P06	
Cyl.	76.50	Cyl.	76.50	Cyl.	76.50
4/6	-27.70	4/6	-29.40	4/6	-27.70
	126.50		140.50		140.50
CSY				CSY	
Combustion Bowl 59.20		Combustion Bowl 54.00		Combustion Bowl 54.00	

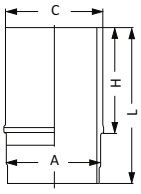
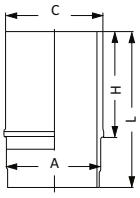
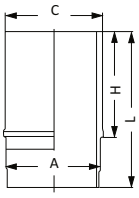


42.00		42.00		42.00	
97.00		97.00		97.00	



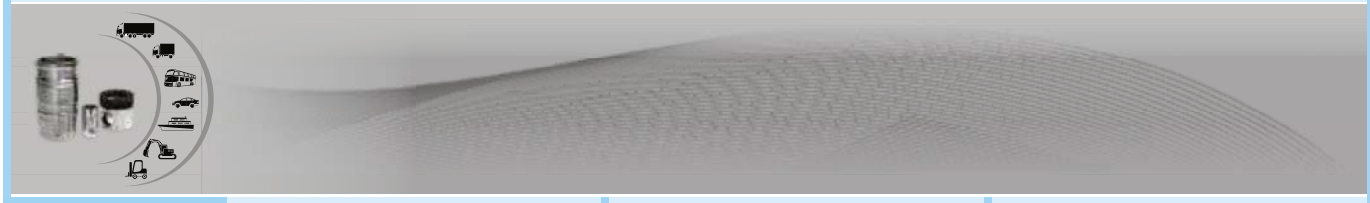
3.00 Cr		2.50 Cr		3.00 Cr	
2.50 Cr		2.50		2.50 Cr	
4.00 Cr		4.00 Cr		4.00 Cr	



A = 122.00		A = 122.00		A = 122.00	
C = 129.00		C = 129.90		C = 129.70	
L = 235.50		L = 235.50		L = 235.00	
H = 167.00		H = 167.00		H = 167.00	



P 420 330 Std.		P 420 345 Std.		P 420 360 Std.	
L 420 330		L 420 345		L 420 360	
PR 420 330		PR 420 345		PR 420 360	
K 420 330		K 420 345		K 420 360	





Motor CO 3/130, **94**
5401 ccm, 68 kw (93 PS), 17:1;
Vehicle FL 9
Motor 8340.05.000
5401 ccm, 78 kw (106 PS), 17:1;
Vehicle Tractor co 3-130 t, 1977
Motor 8360.05.000 8361.01/05,
8102 ccm, 117/119 kw
(159/161 PS), 17:1;
Vehicle 140/150/159, 1979
Motor 8365.05.500,
8102 ccm, 94/114 kw (128/155 PS)
17:1; 130 mm

Motor 8200.02 A, 8205.02, 8200.12 **95**
9819 ccm, 140.5-147 kW,
(190-200 PS), 16.7:1
Vehicle Baureihe 684, 690, 308,
309, 331, 343, 409, 418, 420, FR
12 C, AD-BD-FL 14, 14-B-C,
150 C, 1969-

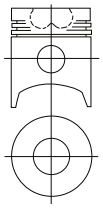
Motor 610 207, **96**
8172 ccm, 59 kW, (80 PS), 15.5:1
Motor 203 000
10676 ccm, 110 kW, (150 PS), 15.3:1
Vehicle Baureihe 70, 80, 306, 401,
402, 405, 410, 411, 682, 690,
1952-1963



Ø 115.00 mm.
115P07

Cyl.	70.50
4/6	-29.40
	140.50

CSY

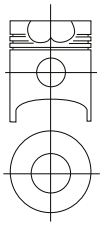


Combustion Bowl 54.00

Ø 122.00 mm.
122P01

Cyl.	80.20
4/6	-28.00
	150.00

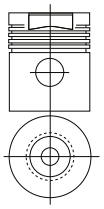
CSY

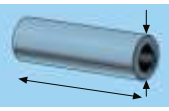


Combustion Bowl 65.50

Ø 125.00 mm.
125P01

Cyl.	92.50
4/6	-27.50
	158.00





40.00
98.00

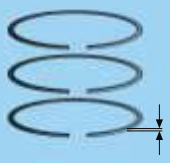


42.00
104.00

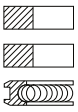


44.00
108.00

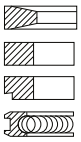




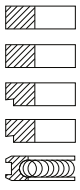
2.50 Cr
2.50
5.00 Cr



3.50 Cr
3.00
3.00
5.50 Cr

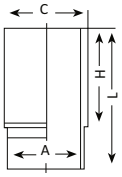


3.50 Cr
3.00
3.00
3.00
5.50

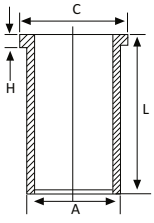




A = 122.00
C = 129.00
L = 235.50
H = 167.00



A = 128.00
C = 132.00
L = 252.00
H = 6.00

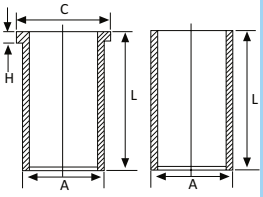


A = 128.50
C = 132.00
L = 252.00
H = 6.00

A = 132.00
C = 152.00
L = 305.00
H = 215.00

A = 131.00
L = 277.50

A = 132.00
L = 277.50



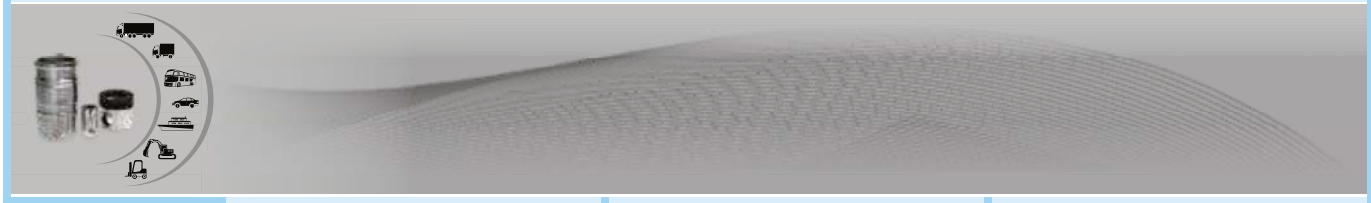


P 420 375 Std.
L 420 375
PR 420 375
K 420 375

P 420 225 Std.
L 420 225
PR 420 225
K 420 225

L 420 226

P 420 230 Std.
L 420 230
L 420 231
L 420 232
PR 420 230
K 420 230





Motor 8200.03.000, 8200.13.000 **97**
10308 ccm, 147/154/164.5 kw (200/210/224 PS DIN), 16,7:1;
Vehicle684 T, 160 NC/NT, 343 L, September 1974
Motor 8205.03,
10308 ccm, 120 kw (163 PS), 16,7:1; 140 mm
VehicleFL/FD 14, August 1979

Diesel Motor 221.00 **98**
Vehicle619, 693 N 1, 698 N 3, 693 T1, AD 18

Motor 8210.02.000, 8210.12.000, 8215.02 **99**
13797 ccm, 162-191 kW, (220-260 PS),16:1
VehicleBaureihe 170, 180, 190, 240, 260, 300, 330, 370, 421, 619, 691, 697, movterra, AD 20, BD 20, 20, FR 20, 200 C, 1969-



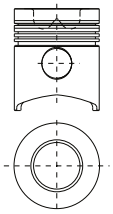




Ø 125.00 mm.
125P02

Cyl.	80.20
6	-30.00
	150.00

CSY

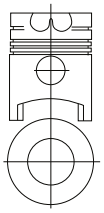


Combustion Bowl 68.25

Ø 135.00 mm.
135P05

Cyl.	95.00
6	-32.40
	199.80

CSY

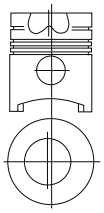


Combustion Bowl 66.80

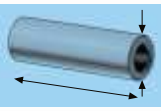
Ø 137.00 mm.
137P01

Cyl.	92.00
4	-32.40
	167.00

CSY



Combustion Bowl 67.30



44.00
106.00

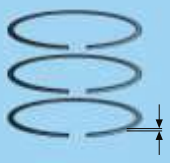


48.00
115.00

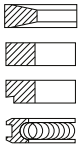


48.00
117.00

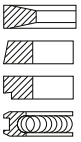




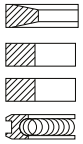
3.50 Cr
3.00
3.00
5.50 Cr



4.00 Cr
3.00 Cr
3.00 Cr
5.50 Cr

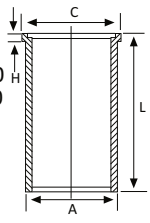


4.00 Cr
3.00 Cr
3.00 Cr
5.50 Cr



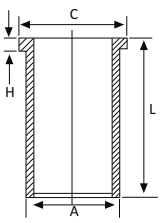


A = 130.00
C = 136.00
L = 252.00
H = 6.00



A = 130.25
C = 136.00
L = 252.00
H = 6.00

A = 143.00
C = 147.00
L = 282.00
H = 6.00



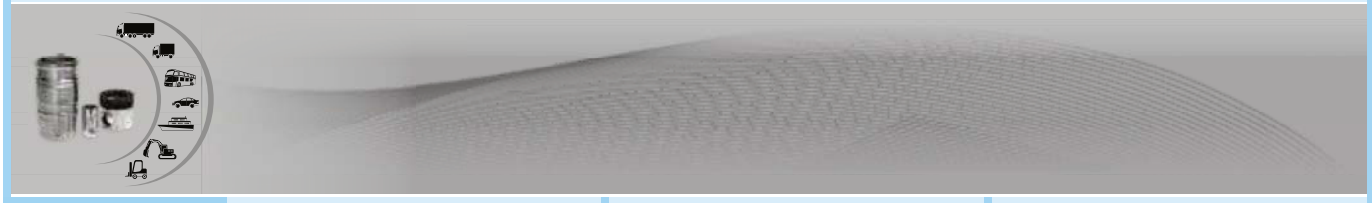


P 420 410 Std.
L 420 410
PR 420 410
K 420 410

L 420 411

P 420 265 Std.
PR 420 265

P 420 235 Std.
L 420 235
PR 420 235
K 420 235



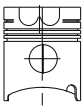


Diesel Motor 8210.22 S,R 6, **100**
13798 cm³ ,243 kW (330 PS), 15:1, Turbo,LLK
Vehicle Stationary engine
1984....190 1984....
Diesel Motor 8210.22.000,R 6,
13798 cm³ ,223.5 kW (304 PS), 15:1, Turbo,
Vehicle Stationary engine 1980....170
1980.... 190 1980.... 260 1980.... 370
1980.... 240 1980....
Diesel Motor 8210.22.101,R 6,
13798 cm³ ,223.5 kW (304 PS), 15:1, Turbo,
Vehicle 190 1980.....1982333



Ø137.00 mm.
137P02

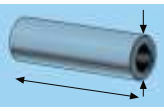
Cyl	92.00
6	-33.00
	167.00



CSY
YPO

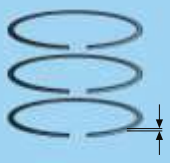


Combustion Bowl 72.00

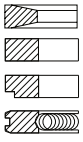


50.00
117.00



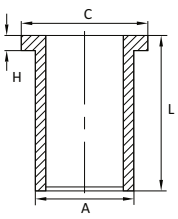


4.00
3.00
3.00
5.50





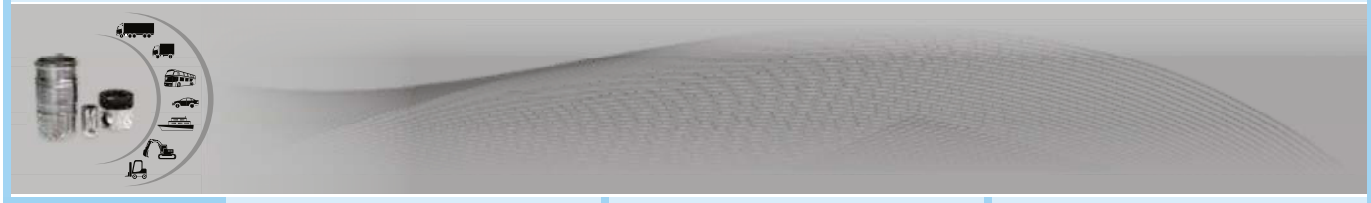
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C = 147.00
L = 282.00
H = 6.00





P 420 510 Std.
L 420 510
PR 420 510
K 420 510

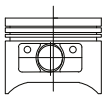
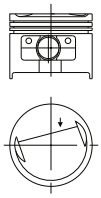
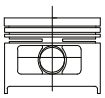
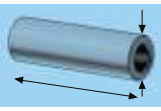
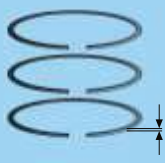
F
FIAT

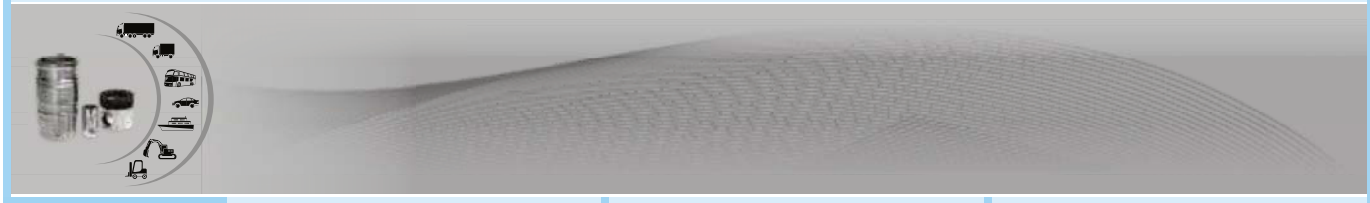


F

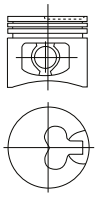
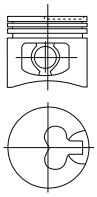
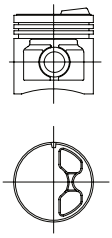
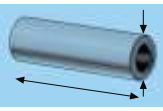
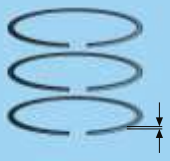
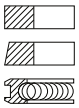
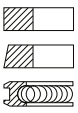
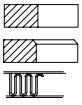
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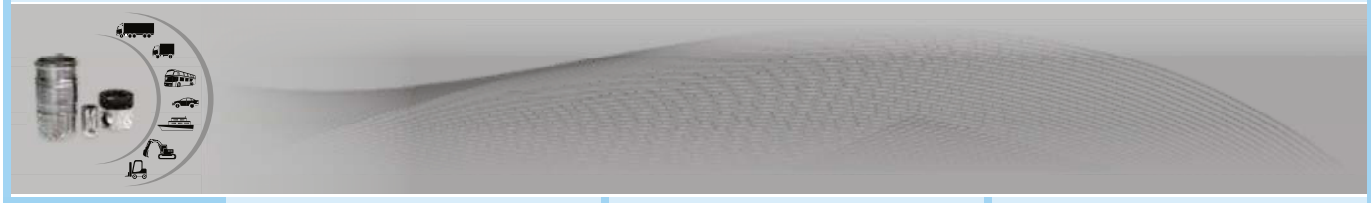


	01	02	03
	Motor LC 935 ccm, 29 kW , 40 PS, 8.5:1 957 ccm, 33 kW , 45 PS, 8.5:1 **Vehicle** Fiesta 1976-1983 Fiesta 1984 - 1988	**Benzin Motor 1.8 Ltr** 1769 ccm, CVH, C.R. 9.3:1 **Vehicle** Sierra, Sapphire, 1.8, LX, GL, GLX, Ghia1988-1993	**Motor** 1598 ccm, 55 kW , (75 PS) 9.5-9.75:1 **Vehicle** Z 220 T, Z 230 T ,Z 340 T, Z 435 T, Z 450 T, 1986-
  	**Ø74.00 mm.** 74P03 Cyl 38.40 4 64.40 PSP 	**Ø80.00 mm.** 80P07 Cyl 33.10 4 -1.80 -2.60 -2.75 63.059 PSP 	**Ø81.335 mm.** 81P17 Cyl 41.55 4 71.55 PSP 
	20.634 63.400 	20.63 66.50 	24.00 68.80 
	1.60  2.00  4.00 	1.50 Cr  1.50  3.00 	1.60 Cr P  2.00 P  4.00 Cr P 
			
	P 425 275 Std. PR 425 275	P 425 180 Std. P 425 180 0.25 P 425 180 0.50 P 425 180 1.00 PR 425 180	P 425 280 Std. P 425 280 0.50 P 425 280 1.00 PR 425 280

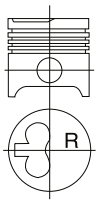
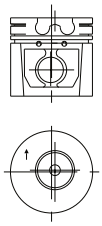
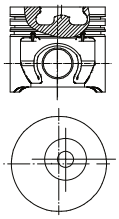
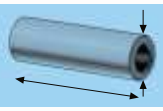
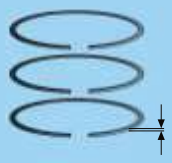
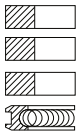
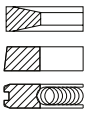
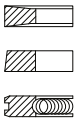
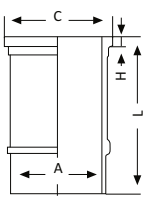
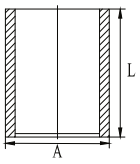


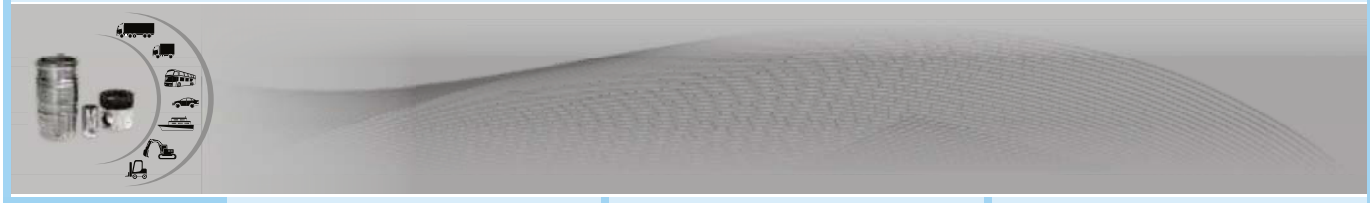


	04	05	06
	Turbodiesel-Motor 1,8 Ltr. 1753 ccm, 55 kW, (75 PS), 21.5:1 **Vehicle** Sierra TD, P 100 Pick up, 1989- **Turbodiesel-Motor 1,8 Ltr.** 1753 ccm, 66 kW, (90 PS), **Vehicle** Escort, Mondeo, 1993-	**Diesel Motor 1.8 Ltr.** 1753 ccm, 44 kW, (60 PS), 21.5:1 **Vehicle** Fiesta Diesel, Escort Diesel, Orion Diesel, 1988-	
	**Ø 82.51 mm.** 82P16 Cyl. 45.70 4 -1.60 73.70 CSY PSP 	**Ø 82.51 mm.** 82P17 Cyl. 45.65 4 -1.50 75.80 CSY 	**Ø 88.90 mm.** 88P15 Cyl 52.14 +1.2 +8.6 88.00 DSP 
	26.00 59.00 	26.00 68.80 	23.18 72.5 
	2.00 Cr 2.00 3.00 Cr 	2.50 2.00 3.00 Cr 	2.385 2.385 4.747 
			
	P 425 315 Std. P 425 315 0.50 P 425 315 1.00 PR 425 315	P 425 175 Std. P 425 175 0.50 P 425 175 1.00 PR 425 175	P 425 310 Std. PR 425 310





	07	**08**	**09**
	Motor XD-4.90 2112 ccm, 46.5 kW, (63 PS), 22.2:1 **Vehicle** Granada D- 08.1977-1982	**Diesel Motor 2.5 Ltr** 2496 ccm, 52 kW. (71 PS), 20.5:1 **Vehicle** FT 100 L, FT 120, FT 130, 1T 150,FT 160,FT 190, 11.1988-08.1994	**Motor 2.5 Ltr** 2.496 ccm, 51 kW , (70 PS), 7.8:1 **Vehicle** Transit FT 100-150-190 1988
	**Ø 90.00 mm.** 90P02 Cyl. 57.20 4 -2.00 96.35 	**Ø93.67 mm.** 93P11 Cyl 59.50 4 -18.00 89.50  PSP CSY KMP Combustion Bowl 40.00	**Ø93.67 mm.** 93P12 Cyl 59.50 4 -18.00 94.00  CSY Combustion Bowl 40.00
	28.00 77.00 	29.00 77.00 	29.00 77.00 
	2.00 Cr 2.00 2.00 4.50 	2.50 2.00 4.00 	2.50 Cr Fe P 2.00 IF P 4.00 Cr P 
	A = 96.00 C = 106.30 L = 173.30 H = 7.00 		A =96.94 L =171.45 
	P 425 100 Std. L 425 100 PR 425 100 K 425 100	P 425 170 Std. P 425 170 0.40 P 425 170 0.65 P 425 170 1.00 PR 425 170	P 425 285 Std. P 425 285 0.65 P 425 285 1.00 L 425 285 PR 425 285 K 425 285





Motor XD 3P **10**
2498 ccm, 51 kW, (69 PS), 23:1
Vehicle Granada D, Scorpio D, 1982-

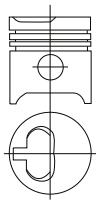
Motor LXD 2 **11**
2304 ccm, 49-51 kW, (67-69 PS), 23:1
Vehicle Sierra D, Granada D, Scorpio D, 10.1982

Motor 4 D, 592 E, **12**
3611 ccm, 50.7 kW, (69 PS SAE), 16:1
Vehicle Thames Trader, Tractor Major Power Major, Super Major
Motor 6 D, 590 E,
5416 ccm, 79.4 kW, (108 PS SAE), 16:1
Vehicle Thames Trader, 15, 20, 30, 40, 55, 75, 1957-1965-



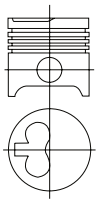
Ø 94.00 mm.
94P03

Cyl.	53.92
4	-1.80
	96.42



Ø 94.00 mm.
94P04

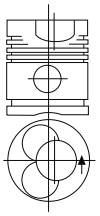
Cyl.	57.42
4	-1.80
	99.92



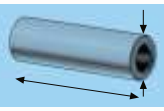
Ø 100.00 mm.
100P11

Cyl.	71.04
4/6	-1.74
	-24.74
	117.80

ESP



Combustion Bowl 50.00



30.00
78.80

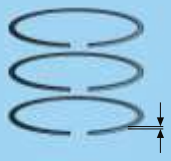


30.00
78.80

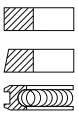


34.925
84.80

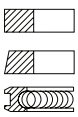




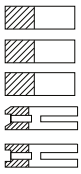
2.00 Cr
2.00
4.00 Cr



2.00 Cr
2.00
4.00 Cr

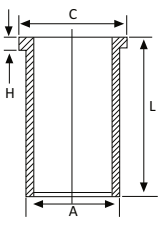


2.385 Cr
2.385
2.385
4.747
4.747

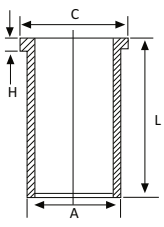




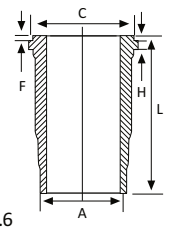
A = 97.00
C = 99.00
L = 165.80
H = 3.90



A = 97.00
C = 99.50
L = 170.60
H = 3.90



A = 111.80
C = 119.60
L = 223.00
H + F=11.1+0.6
A = 108.70
C = 117.40
L = 222.70
H + F=11.1+0.6
A = 111.81
C = 119.634
L = 222.80
H + F=11.176+0.6

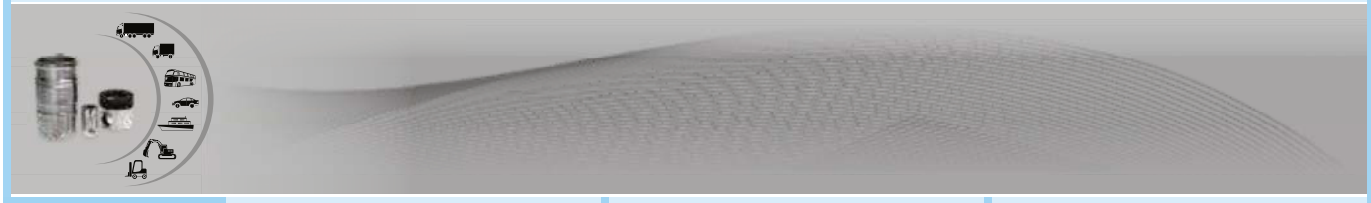




P 425 105 Std.
P 425 105 0.40
P 425 105 0.60
L 425 105
PR 425 105
K 425 105

P 425 110 Std.
P 425 110 0.40
P 425 110 0.60
L 425 110
PR 425 110
K 425 110

P 425 115 Std.
L 425 115
PR 425 115
K 425 115
L 425 116
L 425 117





dto., **13**

Motor 592E **14**
3610 ccm, 51 kW, (869 PS), 16:1
Vehicle Major Tractor,1952-1956 Power Major Tractor, Super Major Tractor 1957-1965

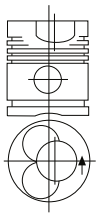
Motor 4D, 2700, 2701 E, 2706, **15**
3966 ccm, 61 kW, (83 PS),
Motor 6D, 2704 E, 2709(130 PS), E,
2706,59.45 ccm, 97 kW (130 PS), 16.5:1
Vehicle D 300, D 800, D 630, 640, 1965- 1969



Ø 100.00 mm.
100P12

Cyl. 70.99
4/6 -1.74
-24.74
118.14

ESP

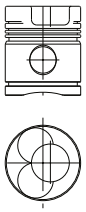


Combustion Bowl 50.00

Ø100.00 mm.
100P13

Cyl 71.04
4 -1.74
-24.74
118.14

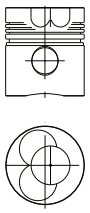
CSY
ESP



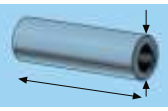
Combustion Bowl 50.00

Ø104.77 mm.
104P17

Cyl 71.00
4/6 -1.70
-25.90
118.00



Combustion Bowl 51.75



31.750
86.40

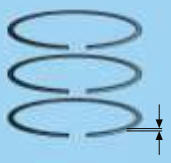


34.925
84.80

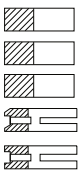


34.925
90.00

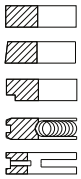




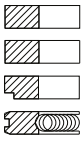
2.385 Cr
2.385
2.385
4.747
4.747



2.385
2.385
2.385
4.747
4.747

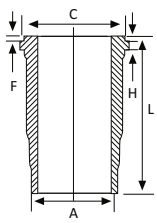


2.385
2.385
2.385
4.747

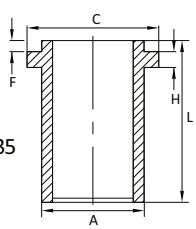




A = 111.80
C = 119.60
L = 223.00
H + F=11.176+0.6
A = 108.70
C = 117.40
L = 223.00
H + F=11.1+0.6
A = 111.81
C = 119.634
L = 222.80
H + F=11.176+0.6

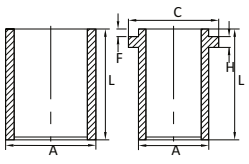


A = 108.610
C = 117.40
L = 223.010
H + F=11.18+0.635



A = 108.80
L = 219.00

A = 109.372
C = 112.827
L = 219.56
H + F=4.73 + 0.64

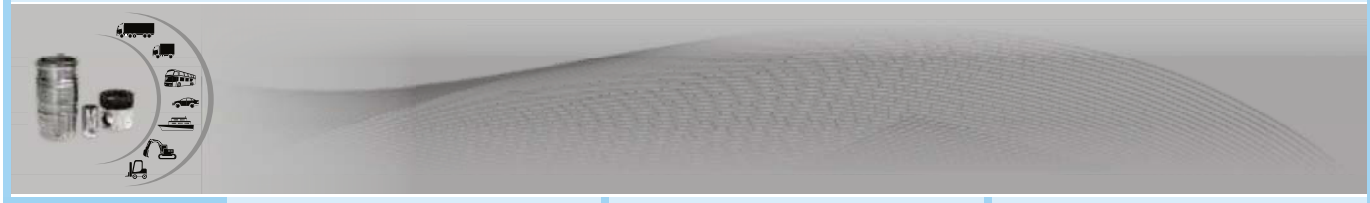




P 425 185 Std.
L 425 185 L 425 186
PR 425 185 L 425 187
K 425 185

P 425 215 Std.
L 425 215
PR 425 215
K 425 215

P 425 210 Std.
L 425 210 L 425 211
PR 425 210
K 425 210





Motor 2704 ET, 360 DT **16**
5944 ccm , 106,00 kW (144 PS), 15,7:1
Vehicle Cargo 0915, 1114, 1115, 1968 - 1981Cargo 1314, 1315, 1315 K, 1515, 1515 K, 1614, 2014, 2115, 2214,

Motor 4D, 2700, 2701, E ,2760 E **17**
3966 ccm, 61 kW, (83 PS),
Motor 6D, 2704 E, 2709 E,
5945 ccm, 97 kW, (130 PS), 16.5:1
Vehicle D 300, D 800, D 630, 640, 1965-1969

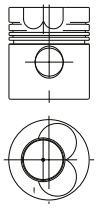
Motor LD, 6Y **18**
2588 ccm, 25-28-29 kW, (34-38-40 PS), 16.5-17-17.5:1
Vehicle Tractor 231, 2000, 2600, 1965-



Ø104.77 mm.
104P18

Cyl 71.25
4/6 -1.70
-27.90
119.65

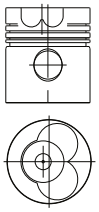
CSY



Combustion Bowl 51.50

Ø104.775 mm.
104P21

Cyl 71.00
4/6 -1.80
-25.80
118.00

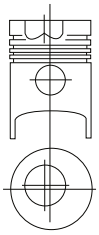


Combustion Bowl 51.50

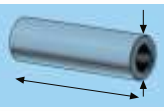
Ø 106.69 mm.
106P18

Cyl. 75.20
3 -19.00
134.20

CSY



Combustion Bowl 53.00



36.51
90.00

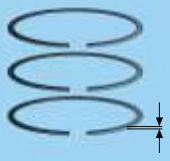


34.925
90.00

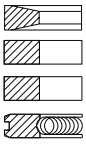


38.10
89.00

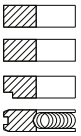




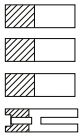
3.16
2.385
2.385
4.747



2.385 Cr
2.385 Cr
2.385
4.747 Cr



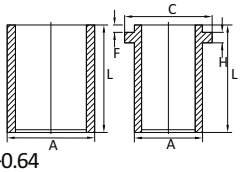
2.385 Cr
2.385
2.385
4.747 Cr



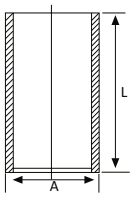


A = 108.80
L = 219.00

A = 109.372
C = 112.827
L = 219.56
H + F= 4.73+0.64



A = 110.782
L = 209.60

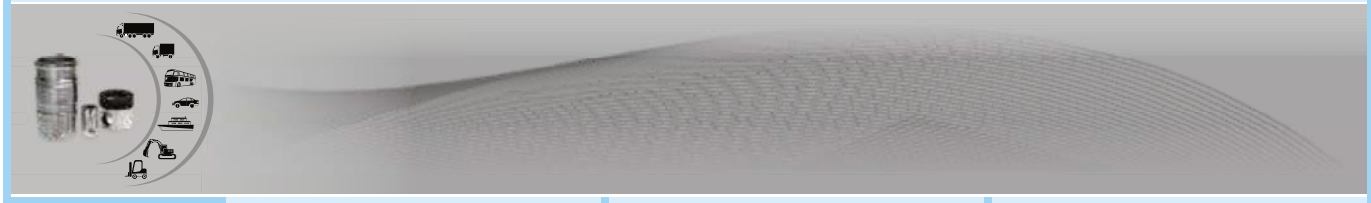




P 425 230 Std.
PR 425 230

P 425 120 Std.
P 425 120 020
P 425 120 030
P 425 120 040
P 425 120 060
L 425 120
PR 425 120
K 425 120
L 425 121

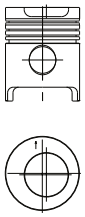
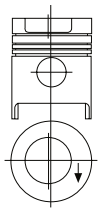
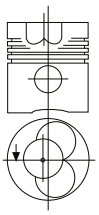
P 425 125 Std.
P 425 125 020
P 425 125 030
P 425 125 040
L 425 125
PR 425 125
K 425 125

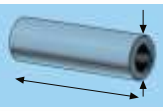




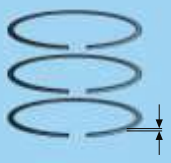
19	20	21
	Motor ND, 6Y, 7 A, 2504 E 2870 ccm, 32-34.5 kW, (44-47 PS), 6.3-16.5:1 **Vehicle** Tractor Super Dexta, 333, 353, 3000, 3600, 1965- **Motor RD, 6Y, 7A,** 3818 ccm, 45.5-50 kW, (62-68 PS), 16.3-16.5:1 **Vehicle** Tractor Super Major, 5000, 5550, 5600, 1965-	**Motor 2711 E,2712 E,2722,255 Four** 4161 ccm,55-56 kW,(74.5-76 PS)16.5:1 **Vehicle** D 610-0607-0707, 1969-1971 **Motor 2714 E, 2715 E, 2725, 380,Six / CID** 6227 ccm, 77-94 kW, (105-128 PS) 16-16.5:1 **Vehicle** Cargo D 0812-0813-0911-0913-1011-1013-1111-1211,7095, 6500 S, 642 Combine, 1971-1981

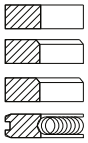
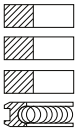
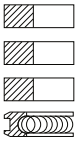


Ø106.69 mm. 106P19	**Ø 106.69mm.** 106P20	**Ø 107.21 mm.** 107P01
Cyl 3/4/6 75.22 -13.15 134.18	Cyl. 3/4 70.18 -17.28 129.18	Cyl. 4/6 71.20 -1.80 -26.90 120.00
CSY 	CSY 	
Combustion Bowl 63.50	Combustion Bowl 63.75	Combustion Bowl 51.50

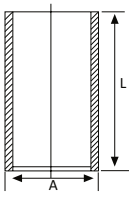
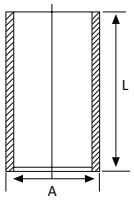


38.10 89.00 	38.10 89.00 	36.51 90.00 



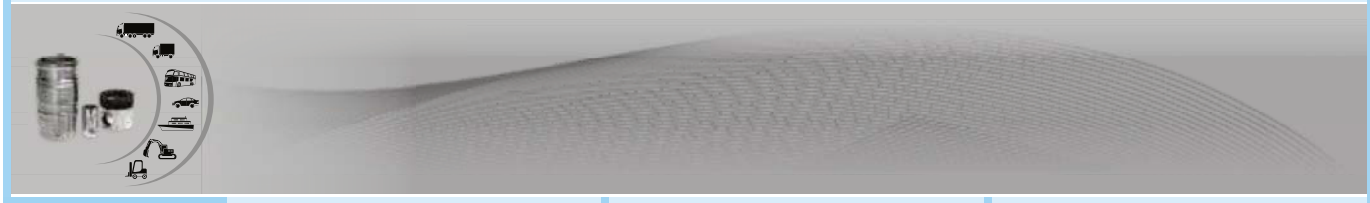
2.385 2.385 2.385 4.747 	2.385 Cr 2.385 2.385 4.747 Cr 	2.385 Cr 2.385 Cr 2385 4.747 Cr 



	A = 110.782 L = 209.60 	A = 111.298 L = 212.725 



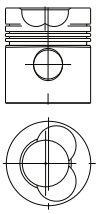
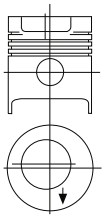
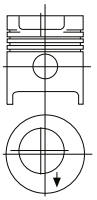
P 425 205 Std. PR 425 205	P 425 130 Std. P 425 130 020 P 425 130 030 P 425 130 040 L 425 130 PR 425 130 K 425 130	P 425 135 Std. P 425 135 020 P 425 135 030 P 425 135 040 L 425 135 PR 425 135 K 425 135

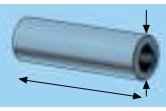




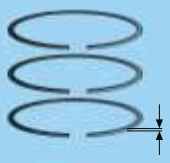
22	23	24
Diesel Motor 254 CID 4161 ccm, 66 kW, (90 PS) **Diesel Motor 380 CID** 6221 ccm, 89 kW, (121 PS) **Vehicle** D 0,715, D 0,812, D 0,813,D 0,912, D 1013, 1981- **Diesel Motor 6.2 Lt Dover** 6224 ccm 96 kW (128 PS) **Vehicle** Track 2014, 2514,DSMZ, BUS 131.11.8	**Motor 7 A** 6575 ccm, 102-107-135 kW, (138-145-184 PS) 16:1 **Vehicle** Tractor 9200, 9260, 9600, 9700, TW-20, TW-30, 1976-	**Motor 6 Y, 7 A** 4195 ccm, 69 kW, (94 PS), 15.6-16.5:1 **Vehicle** Loader A 62 Tractor 750, 7000, 7500, 7600, 7700, 1971-

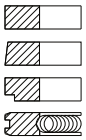
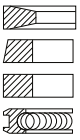
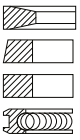


Ø107.21 mm. 107P02	**Ø 111.76 mm.** 111P05	**Ø 111.76 mm.** 111P06
Cyl 71.25 4/6 -2.30 -23.30 119.90	Cyl. 67.80 6 -19.00 126.70	Cyl. 70.40 4 -23.80 129.40
	CSY 	CSY 
Combustion Bowl 58.70	Combustion Bowl 63.50	Combustion Bowl 56.00

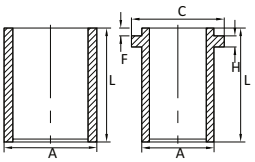
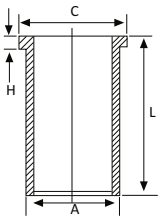
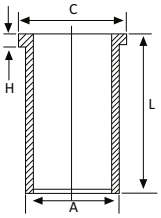


36.51 90.00 	41.275 89.00 	41.275 89.00 



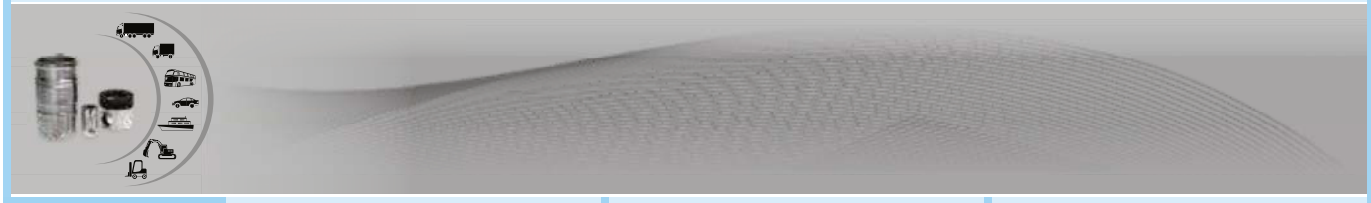
2.385 2.385 2.385 4.747 	3.16 Cr 2.385 2.385 4.747 Cr 	3.16 Cr 2.385 2.385 4.747 



A = 112.00 C = 113.00 L = 213.50 H + F= 7.00 A = 111.41 L = 213.50 	A = 114.432 C = 120.400 L = 208.28 H = 2.591 	A = 114.432 C = 120.400 L = 208.28 H = 2.591 



P 425 220 Std. L 425 220 PR 425 220 K 425 220 L 425 221	P 425 140 Std. P 425 140 020 P 425 140 030 P 425 140 040 L 425 140 PR 425 140 K 425 140	P 425 145 Std. P 425 145 020 P 425 145 030 P 425 145 040 L 425 145 PR 425 145 K 425 145





Motor 6Y, 7 A, 4.256 **25**
4195 ccm, 55-57-58 kW, (75-78-79 PS), 16.3-16.5:1
Vehicle Combine 620, 622, Tractor 650, 5000, 5500, 5550, 5610, 6000, 6500, 6600, 6700, 04.1968

Motor BSD 333 H, 3201 PD, 6Y, 7A **26**
3294 ccm, 38-44 kW, (52-60 PS), 15.3-16.5:1
VehicleTractor 515, 531, 532, 535, 540, 545, 550, 555, 4000, 4110, 4600, 4610, 1968
Motor BSD 444,
4392 ccm, 16.3:1
VehicleTractor 6610, 6710, 09.1981-

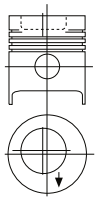
Motor 6Y, 7 A **27**
4195 ccm, 69 kW, (94 PS), 15.6-16.5:1
VehicleLoader A 62, Tractor 750, 7000, 7500, 7600, 7700, 1971-



Ø 111.76 mm.
111P07

Cyl.	
4	70.55
	-18.50
	129.55

CSY

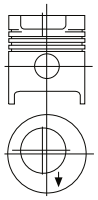


Combustion Bowl 63.50

Ø 111.76 mm.
111P08

Cyl.	
3/4	68.12
	-19.82
	127.12

CSY

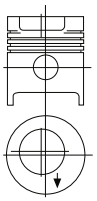


Combustion Bowl 63.60

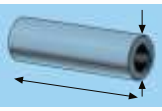
Ø 111.76 mm.
111P09

Cyl.	
4	70.40
	-22.40
	129.40

CSY



Combustion Bowl 56.00



38.10
89.00

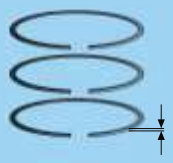


38.10
89.00

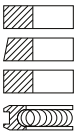


41.275
89.00

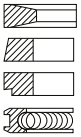




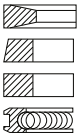
2.385 Cr
2.385 Cr
2.385
4.747 Cr



3.16 Cr
2.385 Cr
2.385
4.747 Cr

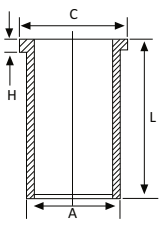


3.16 Cr
2.385
2.385
4.747

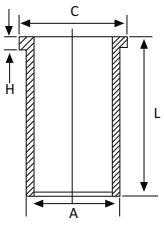




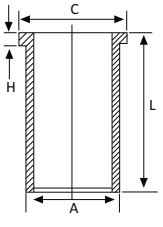
A = 114.432
C = 120.400
L = 208.28
H = 2.591



A = 114.432
C = 120.400
L = 208.28
H = 2.591



A = 114.432
C = 120.400
L = 208.28
H = 2.591

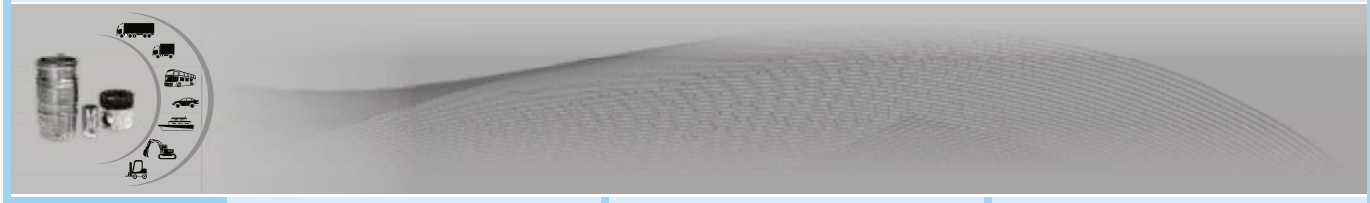




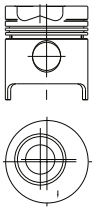
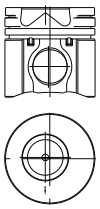
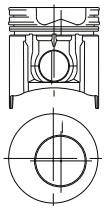
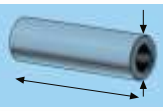
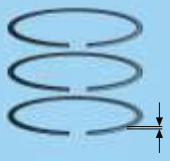
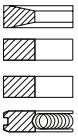
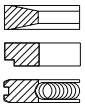
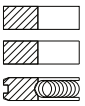
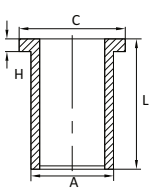
P 425 150 Std.
P 425 150 020
P 425 150 030
P 425 150 040
L 425 150
PR 425 150
K 425 150

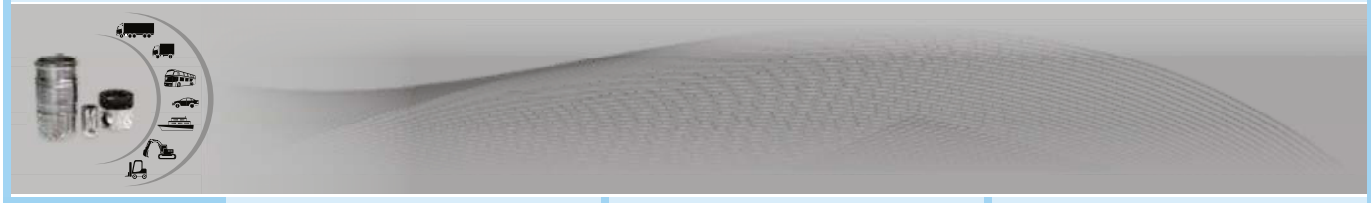
P 425 155 Std.
P 425 155 020
P 425 155 030
P 425 155 040
L 425 155
PR 425 155
K 425 155

P 425 190 Std.
P 425 190 020
P 425 190 030
P 425 190 040
L 425 190
PR 425 190
K 425 190





	Diesel Motor 6610 S **28** **Vehicle** Hema Tractor, New Holland	**vehicle**new holland **29**	**Vehicle**New Holland **30**
	**Ø111.76 mm.** 111P10 Cyl 68.12 3/4 -19.26 127.00 CSY  Combustion Bowl 61.95	**Ø111.76 mm.** 111P11 Cyl, 72.95 4/6 -22.80 110.92 CSY KMP  Combustion Bowl 56.50	**Ø111.76 mm.** 111P12 Cyl 73.20 4/6 -21.60 126.65 CSY KMP  Combustion Bowl 61.85
	38.10 89.00 	41.275 94.60 	38.10 89.00 
	3.16 Cr 2,385 2,385 4,747 	3.16 2.385 4.747 	2.385 2.385 4.747 
	A = 114.36 C = 120.53 L = 208.50 H = 2.60 A = 115.96 C = 120.53 L = 208.50 H = 2.60  A = 115.92 C = 117.12 L = 210.00 H = 6.30 A = 116.92 C = 118.12 L = 210.00 H = 6.30		
	P 425 195 Std. L 425 195 L 425 196 PR 425 195 K 425 195 L 425 197 L 425 198	P 425 200 Std. PR 425 200	P 425 225 Std. PR 425 225





VehicleNew Holland **31**

VihecleNew Holland **32**

Motor BSD 333 H, 3201 PD, 6Y, 7A **33**
3294 ccm, 38-44 kW, (52-60 PS),
15.3-16.5:1
Vehicle Tractor 515, 531, 532, 535,540, 545, 550, 555, 4000, 4110, 4600, 4610, 1968
Motor DSB 444,
4392 ccm, 16.3:1
Vehicle Tractor 6610, 6710, 09.1981-



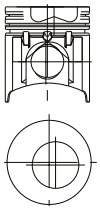




Ø111.76 mm.
111P13

Cyl	72.90
4/6	-19.80
	126.30

CSY

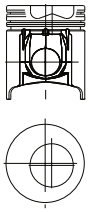


Combustion Bowl 61.85

Ø111.76 mm.
111P14

Cyl	80.80
4/6	-18.50
	134.05

CSY
KMP

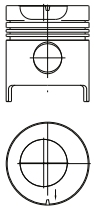


Combustion Bowl 61.80

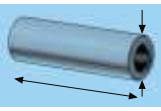
Ø111.76 mm.
111P15

Cyl	68.12
3/4	-19.76
	127.00

CSY



Combustion Bowl 63.60



41.275
94.60

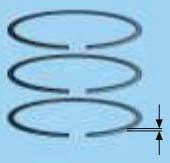


38.10
89.00

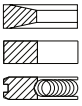


38.10
89.00

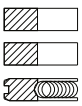




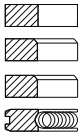
3.00
2.385
4.747



2.385
2.385
4.747

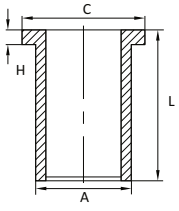


2.385
2.,385
2.,385
4.767





A = 114.432
C = 120.345
L = 208.534
H = 2.565

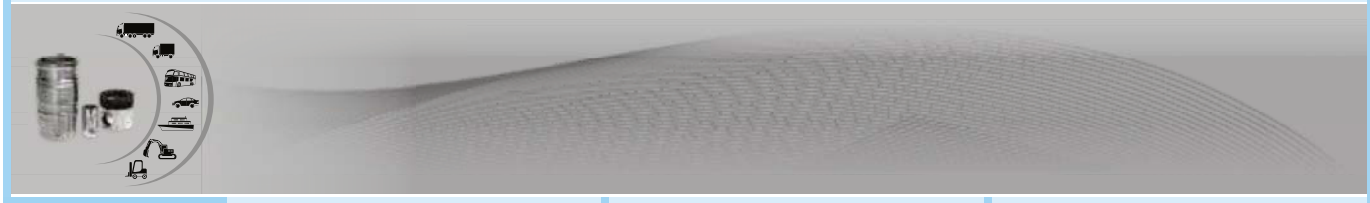




P 425 240 Std.
PR 425 240

P 425 245 Std.
PR 425 245

P 425 250 Std.
P 425 250 020
P 425 250 030
P 425 250 040
L 425 250
PR 425 250
K 425 250

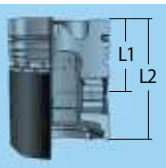




Motor 256 CU. IN. **34**
4195 ccm, C.R. 16.5:1
Vehicle 5000, 5100, 1968- ,6600, 6700, 6710, 655, 1975-1981

Diesel Motor 6610 S **35**
Vehicle Hema Tractor, New Holland

Diesel Motor 6610 S **36**
Vehicle Hema Tractor, New Holland



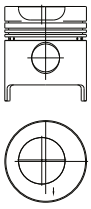




Ø111.76 mm.
111P16

Cyl	70.66
4	-18.57
	129.51

CSY

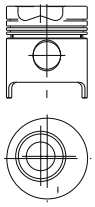


Combustion Bowl 63.50

Ø111.76 mm.
111P17

Cyl	68.12
3/4	-19.71
	127.00

CSY

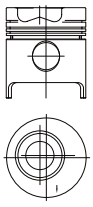


Combustion Bowl 61.95

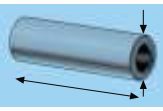
Ø111.76 mm.
111P18

Cyl	68.12
3/4	-19.26
	127.00

CSY



Combustion Bowl 61.95



38.10
89.00

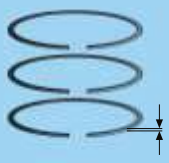


38.10
89.00

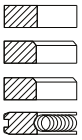


38.10
89.00

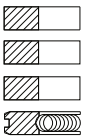




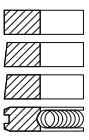
2.385
2.385
2.385
4.747



2.385
2.385
2.385
4.740

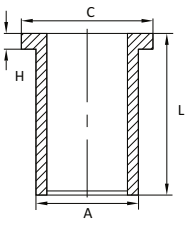


2.385
2.385
2.385
4.762



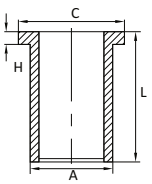


A = 114.432
C = 120.345
L = 208.534
H = 2.565



A = 114,36
C = 120.53
L = 208.50
H = 2.60

A = 115.96
C = 120.53
L = 208.50
H = 2.60

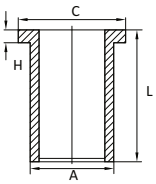


A = 115.92
C = 117.12
L = 210.00
H = 6.30

A = 116.92
C = 118.12
L = 210.00
H = 6.30

A = 114.36
C = 120.53
L = 208.50
H = 2.60

A = 115.96
C = 120.53
L = 208.50
H = 2.60



A = 115.92
C = 117.12
L = 210.00
H = 6.30

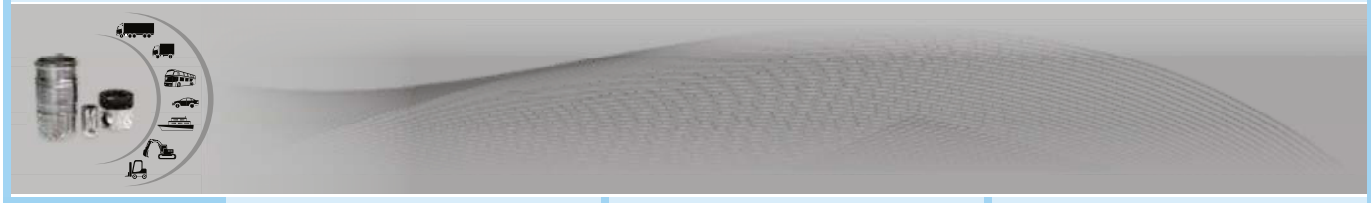
A = 116.92
C = 118.12
L = 210.00
H = 6.30



P 425 255 Std.
P 425 255 020
P 425 255 030
P 425 255 040
L 425 255
PR 425 255
K 425 255

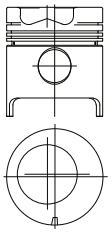
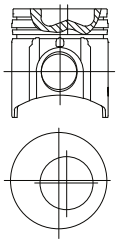
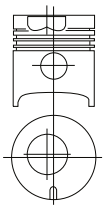
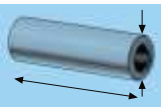
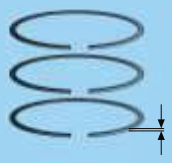
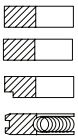
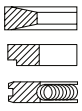
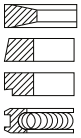
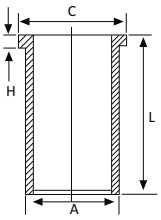
P 425 260 Std.
L 425 260
L 425 261
PR 425 260
K 425 260
L 425 262
L 425 263

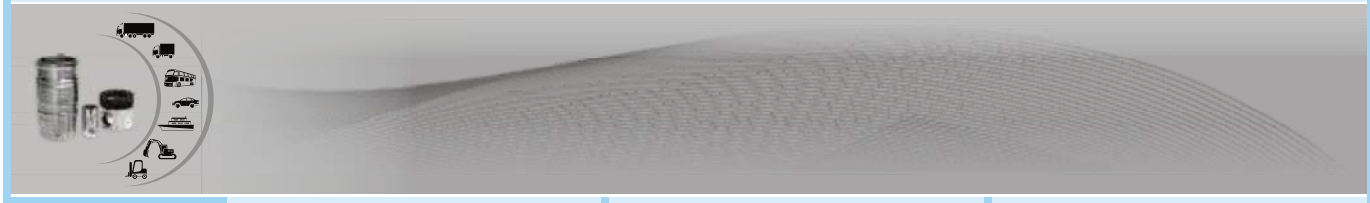
P 425 265 Std.
L 425 265
L 425 266
PR 425 265
K 425 265
L 425 267
L 425 268



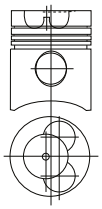
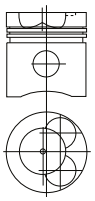
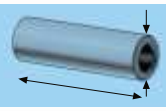
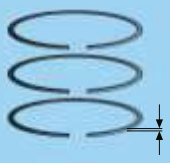
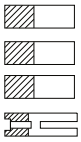
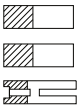
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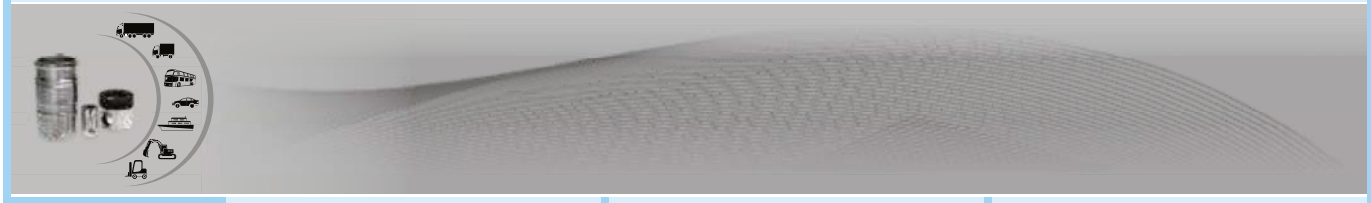
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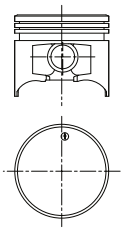
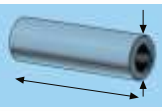
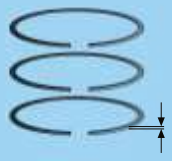
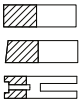
	37	38	39
			**Motor 6 Y, 7 A** 6588 ccm, 76.5-81 kW, (104-110 PS), 16.5:1 **Vehicle** Excavator H 48, Loader A 64, Tractor TW 10, 8000, 8200, 8210, 8260, 8400, 8600, 8700, 1972
	**Ø111.76 mm.** 111P19 Cyl 68.12 -21.96 127.12  Combustion Bowl 58.00	**Ø111.76 mm.** 111P20 Cyl 72.90 -19.80 126.30  CSY Combustion Bowl 61.85	**Ø 111.77 mm.** 111P21 Cyl. 68.12 6 -21.96 127.12 CSY  Combustion Bowl 58.00
	38.10 89.00 	41.275 94.600 	38.10 89.00 
	2.385 2.385 2.385 4.747 	3.06 2.385 4.747 	3.16 Cr 2.385 Cr 2.385 4.747 Cr 
			A = 114.432 C = 120.400 L = 208.28 H = 2.591 
	P 425 270 Std. PR 425 270	P 425 295 Std. PR 425 295	P 425 160 Std. P 425 160 020 P 425 160 030 P 425 160 040 L 425 160 PR 425 160 K 425 160

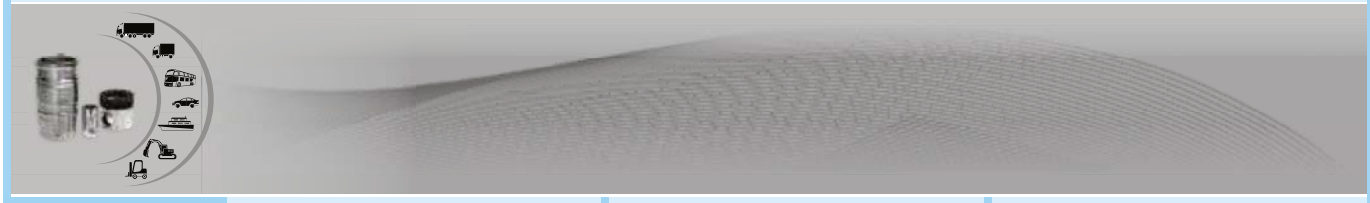




	Motor Goldanı **01**	**Motor DVA 1030** **02** Goldanı Universal Slanza 30PS	
	**Ø 82.00 mm.** 82P03 54.00 -15.00 -2.50 94.00  Combustion Bowl 44.30	**Ø 86.00 mm.** 86P02 Cyl. 54.00 2 -14.00 88.50  Combustion Bowl 46.20	
	26.00 70.00 	26.00 72.00 	
	2.50 2.50 2.50 5.00 	2.50 2.50 5.00 	
			
	P 428 100 Std. PR 428 100	P 428 105 Std. P 428 105 PR 428 105	



	**01**		
	**Ø 99.38 mm.** 99P01 44.25 85.75 		
	25.00 76.00 		
	2.00 2.00 4.00 		
			
	P 700 100 Std. PR 700 100		

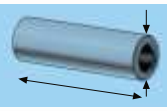




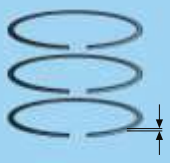
01	02	03
	Diesel Motor D 14 R-19, D 21 R 27 D 28 - R 35 **Vehicle** Tractor R 19, R 27, R 27 C	**Motor D 132 R** 2360 ccm, 35 kW, (48 PS), 22,5:1 **Vehicle** Granit 500 E 1967-1970 **Motor D 142 R** 3140 ccm, 42 kW, (58 PS), 22,5:1 **Vehicle** Granit 500 E 1967-1970 **Motor D 162 R** 4710 ccm, 62 kW, (85 PS), 22,5:1 **Vehicle** Granit 500 E 1967-1970



	Ø 90.00 mm. 90P03	**Ø 90.00 mm.** 90P04	**Ø 100.00 mm.** 100P14
	Cyl 2/3/4 70.18 -3.90 129.685	Cyl 2/3/4 74.60 -4.00 / -5.35 129.60	Cyl 3/4/6 65.30 -2.90 121.30
		ESP	YPO
		Combustion Bowl 55.50 - 25.75	



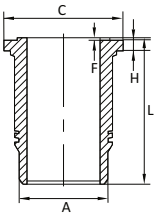
30.00 76.00	30.00 76.00	32.00 81.50



3.00 3.00 3.00 5.00	3.00 3.00 3.00 5.50 5.50	2.50 2.50 2.50 5.00

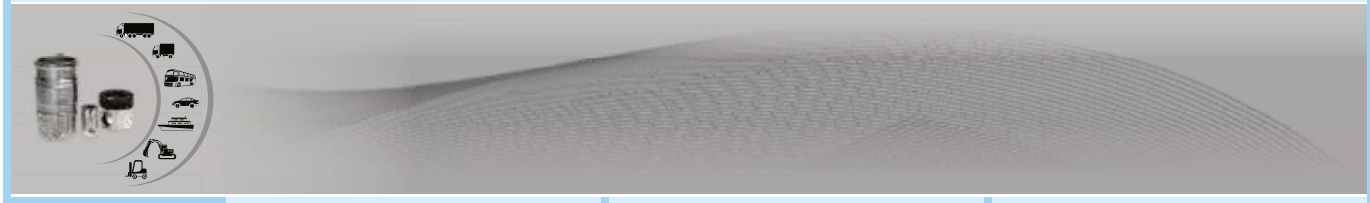


A = 102.00
C = 112.00
L = 212.40
H = 7.10
F = 0.4





P 430 130 Std. PR 430 130	P 430 135 Std. L 430 135 PR 430 135 K 430 135	P 430 125 Std. PR 430 125



H

HANOMAG



Motor D 941 **04**
6780 ccm, 55-58.8 kW, (75-80 PS), 18:1
Motor D 961
10180 ccm, 77-81 kW, (105-110 PS), 18.1
Vehicle Robust 800, K 7 b, K 10 E-L, 1963-1972

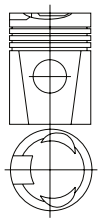
Motor D 942, **05**
6333 ccm, 73.5 kW, (100 PS), 17.2:1
Vehicle. Einbaumotor, 1972-
Motor 962
9500 ccm, 103-110 kW, (140-150 PS), 17.2:1
Vehicle D 600 D, 1972-

Motor D 943 **06**
7206 ccm, 81-88 kW (110-120) PS 17.2:1
Vehicle B 11 C, 1972-
Motor D 963 B -K
10809 ccm, 113-132 kW (151-180 PS) 17.2:1
Vehicle B 18, K 18, 55 D, L 600 D, 1972-



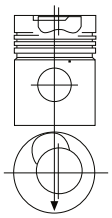
Ø 120.00 mm.
120P03

Cyl.	95.00
4/6	-3.00
	-5.50
	-10.00
	165.00



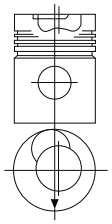
Ø 120.00 mm.
120P04

Cyl.	101.35
4/6	-0.85
	-22.50
	159.35

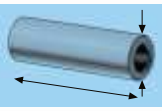


Ø 128.00 mm.
128P01

Cyl.	101.00
4/6	-0.50
	-25.80
	159.00



Combustion Bowl 68.00



48.00
100.00

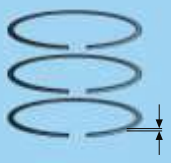


48.00
100.00

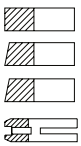


48.00
108.00

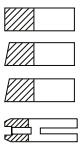




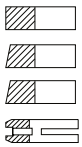
3.00 Cr
3.00
3.00
6.00



2.50 Cr
2.50
2.50
6.00

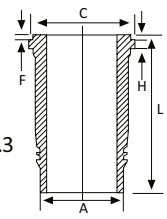


2.50 Cr
2.50
2.50
6.00

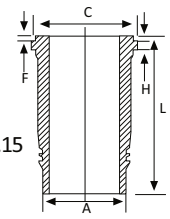




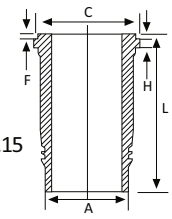
A = 133.00
C = 146.00
L = 285.30
H + F=12.10+0.3



A = 144.00
C = 151.90
L = 278.00
H + F=12.1+1.15



A = 144.00
C = 151.80
L = 278.00
H + F=12.1+1.15

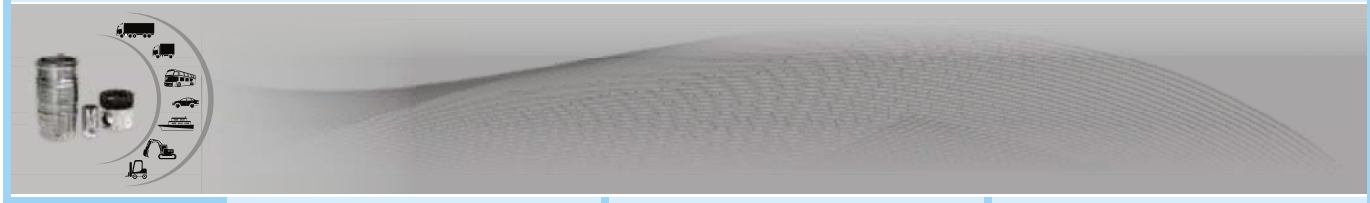


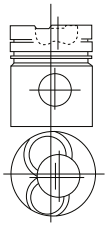
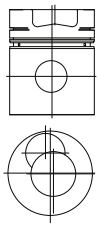
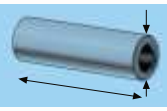
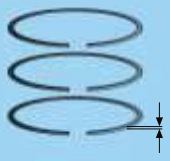
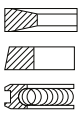
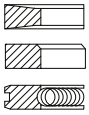
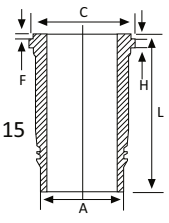


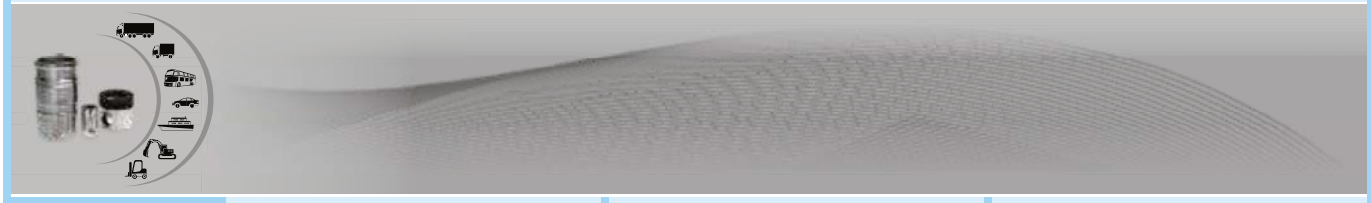
P 430 100 Std.
L 430 100
PR 430 100
K 430 100

P 430 105 Std.
L 430 105
PR 430 105
K 430 105

P 430 110 Std.
L 430 110
PR 430 110
K 430 110

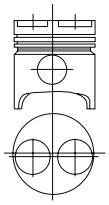
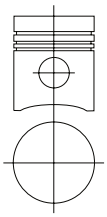
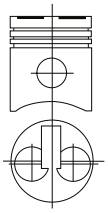
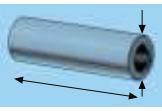
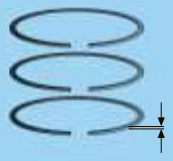


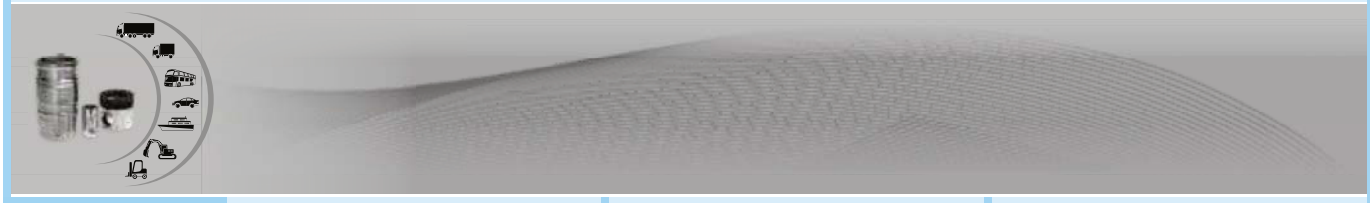
	07	08	
	**Motor D 963 A2** 10809 ccm, 184-193 kW, (250-262 PS), 15.5:1 **Vehicle**77 D,		
	**Ø 128.00 mm.** 128P02 Cyl. 101.35 6 -4.45 -5.45 -24.00 159.35 CSY  Combustion Bowl 68.00	**Ø 128.0 mm.** 128P03 Cyl. 101.00 -1.55 -25.80 159.00  Combustion Bowl 68.00	
	48.00 108.00 	48.00 108.00 	
	3.50 Mo 2.50 6.00 Cr 	3.50 2.50 6.00 	
	A = 144.00 C = 151.80 L = 278.00 H + F=12.1+1.15 		
	P 430 115 Std. L 430 115 PR 430 115 K 430 115	P 430 140 Std. PR 430 140	



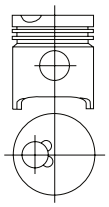
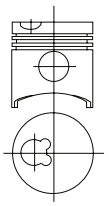
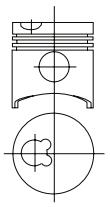
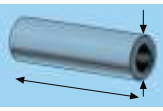
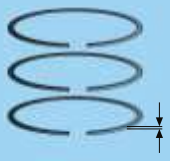
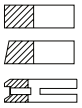
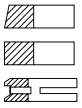
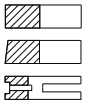
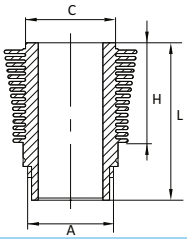
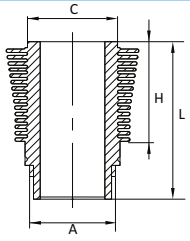
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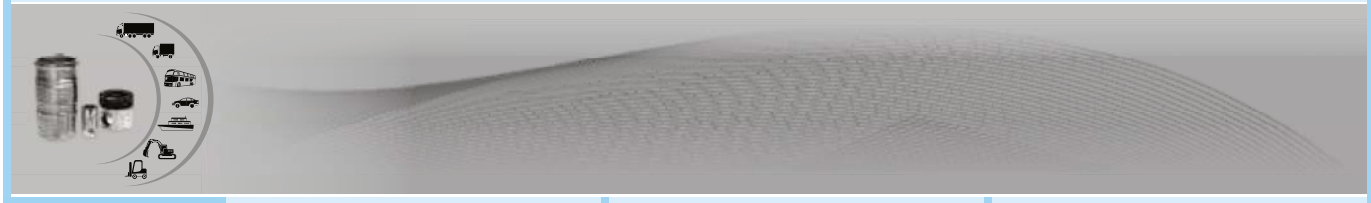
HATZ

	01	02	03
	**Motor E / ES 71/75** 353 ccm, 3-4, 7 kW (4-6.3 PS), 23:1 1958	**Motor E 80 G/FG/FL** 502 ccm, 4.4-5.2-5.5 kW, (6-7-7.5 PS), 1953	**Motor E / ES / 780** 528 ccm, 6.6-8.1 kW, (9-11 PS), 22.1 1971-
	**Ø 75.00 mm.** 75P03 Cyl. 48.50 1 -1.20 -1.55 87.50 PSP 	**Ø 80.00 mm.** 80P08 Cyl. 56.00 1 92.00 PSP 	**Ø 82.00 mm.** 82P04 Cyl. 56.00 1 -1.30 -6.00 92.00 PSP 
	25.00 64.00 	30.00 66.00 	28.00 68.00 
	1.75 Cr  1.75  4.00 	2.50 Cr  2.50  4.00 	2.50 Cr  2.50  5.00 
			
	P 435 100 Std. PR 435 100	P 435 105 Std. P 435 105 0.50 P 435 105 1.00 P 430 105 1.50 PR 430 105	P 435 110 Std. P 435 110 0.50 P 435 110 1.00 PR 435 110



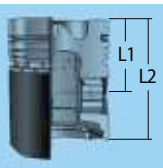


	Motor E 85 G / FG / FL **04** 567 ccm, 6.6-7.35 kW, (9-10 PS), **Vehicle** TL 10.1954-1984	**Motor E 88 / 89 G / FG / FL** **05** 668 ccm, 8.1-8.8 kW, (11-12 PS), 19:1 **Vehicle** TL 12/-11/-13, H 113, 1965-	**Motor E 88 / 89 G / FG / FL** **06** 668 ccm, 8.1-8.8 kW, (11-12 PS), 19:1 **Vehicle** TL 12/-11/-13, H 113, 1965-
	**Ø 85.00 mm.** 85P02 Cyl. 56.00 1 -1.00 -7.00 102.00  Combustion Bowl 26.45	**Ø 90.00 mm.** 90P05 Cyl. 53.50 1 -1.50 -8.80 103.50 PSP  Combustion Bowl 28.00	**Ø 90.00 mm.** 90P06 Cyl. 53.50 1 -8.80 103.50 PSP  Combustion Bowl 28.00
	30.00 72.00 	30.00 78.00 	30.00 78.00 
	3.00 Cr 3.00 5.00 	3.00 Cr 3.00 5.00 	2.00 2.00 4.00 
		A = 100.00 C = 112.00 L = 194.00 H =159.60 	A = 100.00 C = 112.00 L = 194.00 H =159.60 
	P 435 115 Std. P 435 115 0.50 P 435 115 1.00 P 435 115 1.50 PR 435 115	P 435 120 Std. P 435 120 0.50 P 435 120 1.00 P 435 120 1.50 L 435 120 PR 435 120	P 435 130 Std. L 435 130 PR 435 130 K 435 130





Motor E 108 **07**
1007 ccm, 13.2-14.7 kW, (18-20 PS),
Motor Z 108
2014 ccm, 26.4-29.4 kW, (30-40 PS),
Motor D 108
3021 ccm, 39.7-44.1 kW, (54-60 PS),
Motor V 108
4028 ccm, 53-58.8 kW, (72.5-80 PS),
1970-1984



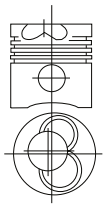




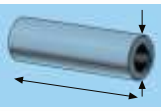
Ø 108.00 mm.
108P02

Cyl.	
1/2/3/4	71.00
	-0.90
	-20.50
	109.00

PSP

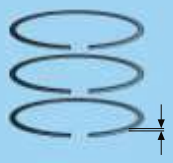


Combustion Bowl 56.00

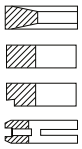


35.00
85.00





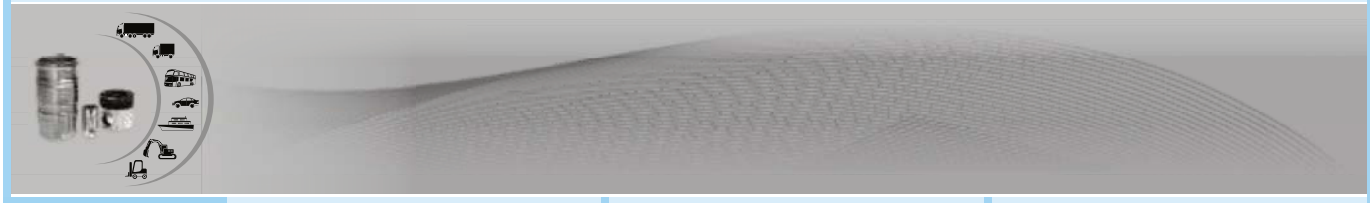
3.00
3.00
3.00
5.00





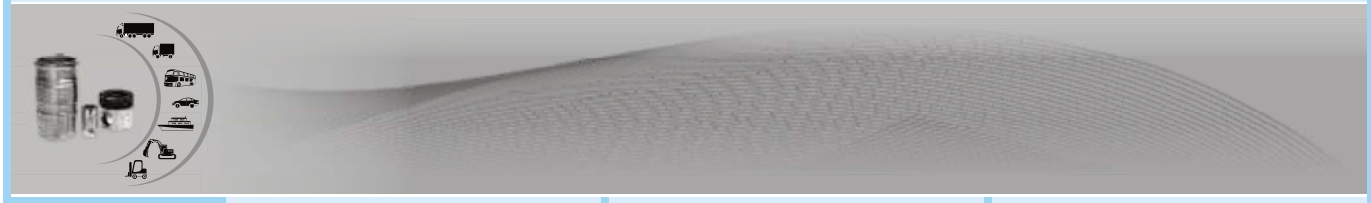


P 435 125 Std.
P 435 125 0.50
P 435 125 1.00
PR 435 125





01	02	03
Ø 104.00 mm. 104P12	**Ø 108.00 mm.** 108P03	**Ø 110.00 mm.** 110P05
Cyl 4/6 60.15 - 0,30 -18.40 106.205	Cyl 4/6 69.48 -0.45 - 0,70 -21.16 121.50	Cly 4/6 69.48 -19.30 121.51
CSY PSP KMP	CSY YPO KMP	CSY YPO KMP
Combustion Bowl 51.55	Combustion Bowl 60.00	Combustion Bowl 58.30
35.00 85.00	39.00 90.00	39.00 90.00
2.50 2.00 5.00	3.00 2.50 2.50 5.00	2.90 2.00 2.00 4.00
P 685 110 Std. PR 685 110	P 685 115 Std. PR 685 115	P 685 120 Std. PR 685 120

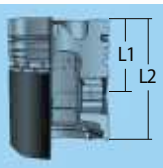


H

HONDA

01



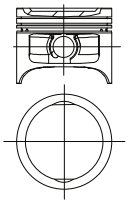




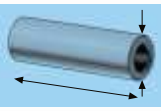


Ø68.50 mm.
68P03

Cyl	22.55
	47.55
	0.75

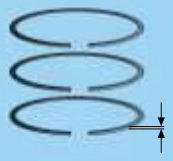


Combustion Bowl 54.20



15.00
50.40



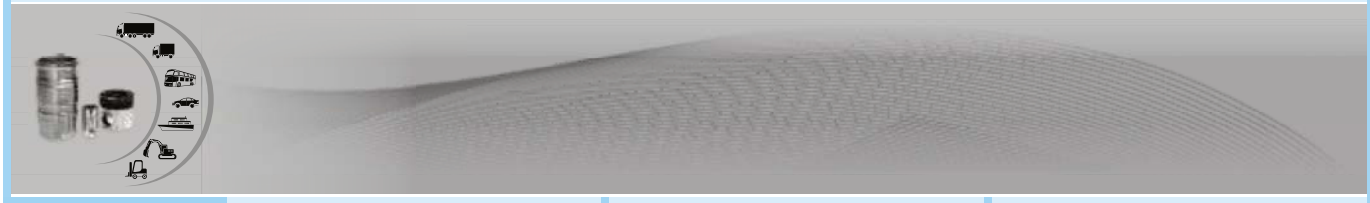


1.00
1.00
2.50

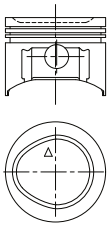
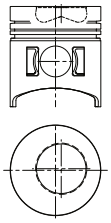
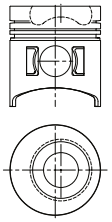
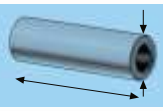
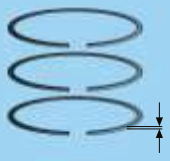
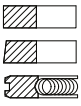
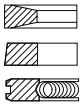
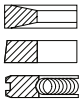
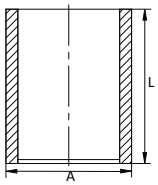


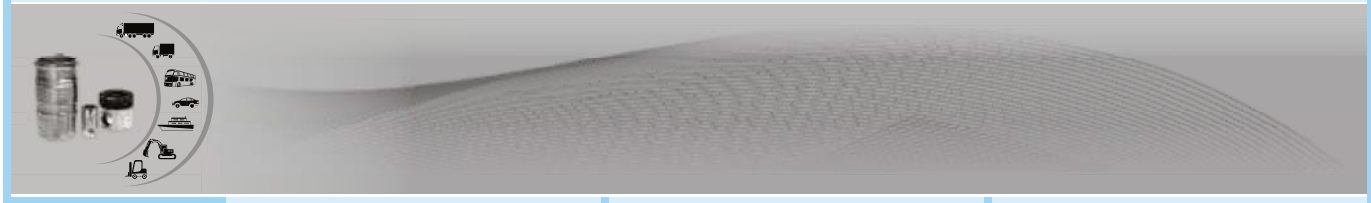


P 815 100 Std.
PR 815 100





	01	02	03
	Motor G15B **Vehicle** Excel, 1986	**Motor 4D31-T** 3298 ccm, **Vehicle** 3,5 Ton Truck turbo	
	**Ø 75.50 mm.** 75P19 Cyl 29.40 4 -3.70 58.80 KMP 	**Ø 100.00 mm.** 100P15 Cyl 60.65 4 -17.45 110.65 CSY KMP  Combustion Bowl 54.60	**Ø 100.00 mm.** 100P16 Cyl 60.00 4 -16.50 110.00 CSY KMP  Combustion Bowl 54.80
	18.00 60.00 	34.00 83.50 	34.00 83.50 
	1.50 1.50 4.00 	3.00 2.00 4.00 	3.00 2.00 4.00 
		A = 104.00 L = 196.50 	
	P 690 105 Std. P 690 105 0,50 PR 690 105	P 690 100 Std. P 690 100 0,50 P 690 100 1,00 L 690 100 PR 690 100 K 690 100	P 690 110 Std. PR 690 110



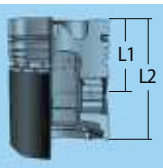
H

HYUNDAI



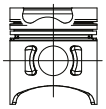
Motor **04**
3298 ccm,

Vehicle H350 TD , HD77 TD 1995

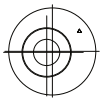


Ø100.00 mm.
100P17

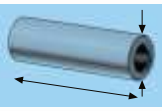
Cyl	60.65
4	-17.40
	110.65



KMP
CSY

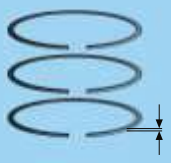


Combustion Bowl 54.70

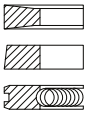


34.00
83.50



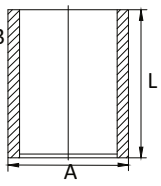


3.00
2.00
4.00



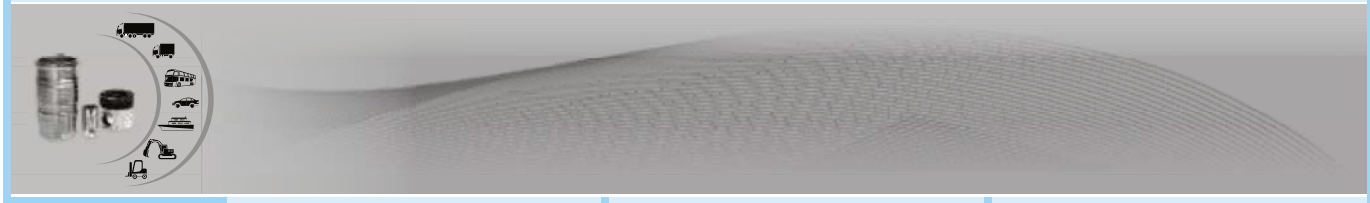


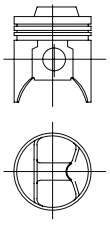
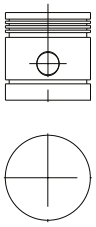
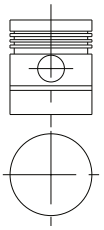
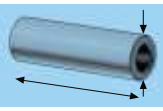
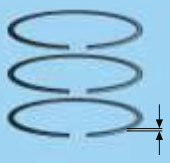
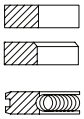
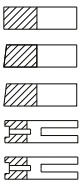
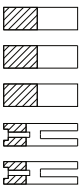
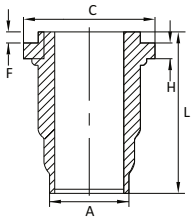
A = 104.063
L = 192.00

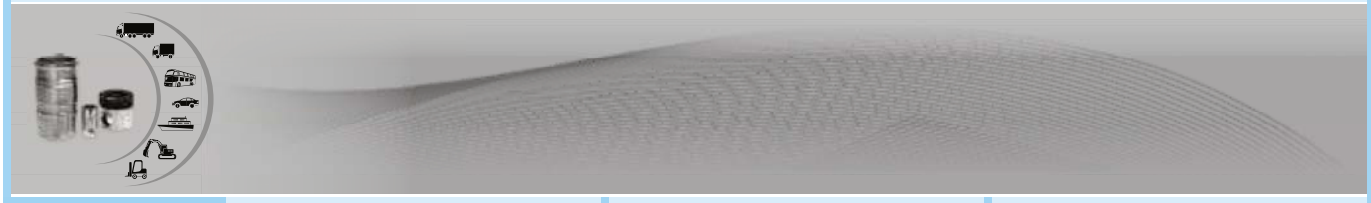


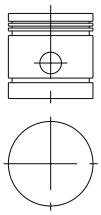
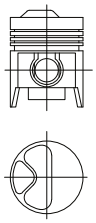
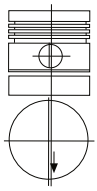
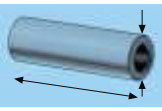
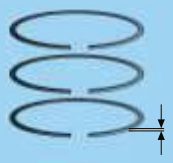
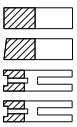
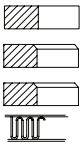
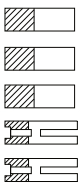
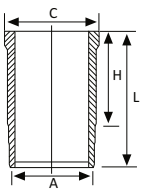


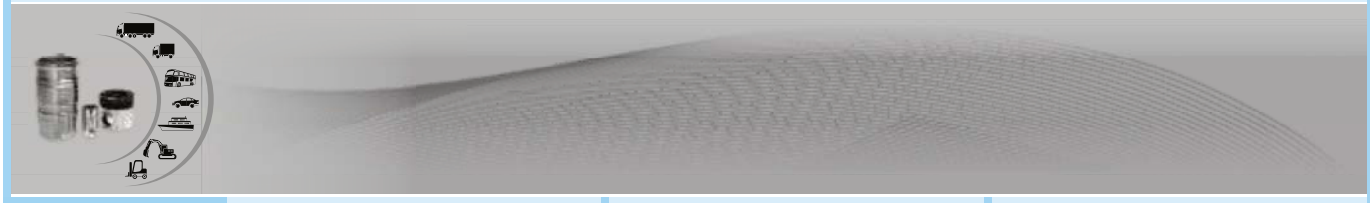
P 690 115 Std.
P 690 115 0.50
P 690 115 1.00
L 690 115
PR 690 115
K 690 115

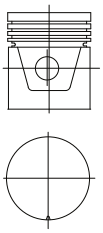
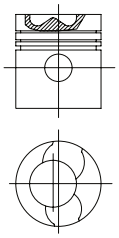
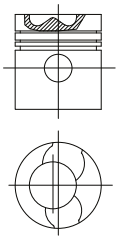
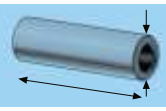
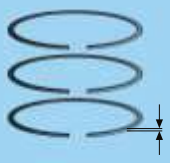
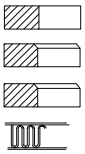
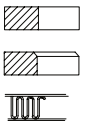
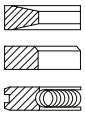


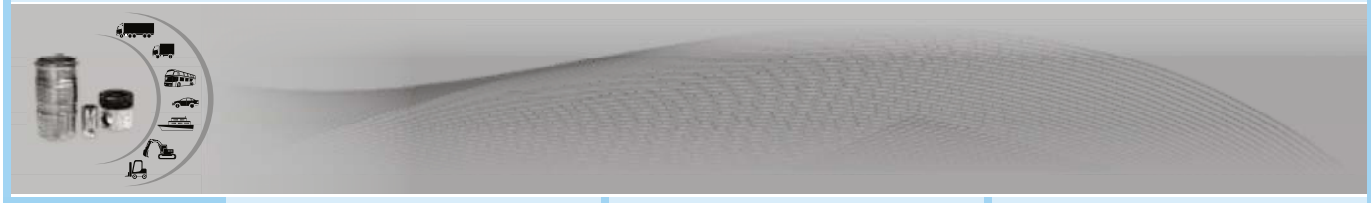
	01	02	03
			**Diesel Motor BC, D 144,BD 144 A** 2360 ccm, **Vehicle** 354,364 Tractors, 7000 Fronk Lift,B 250, B 275, B 2275, BTD 5 Tractors,B 414 Tractor, TD 5 Tractor
	**Ø 79,375 mm.** 79P09 Cyl 44.0 +10.0 88.0 TÇP 	**Ø 85.00 mm.** 85P03 Cyl 50.82 87.45 4 ESP 	**Ø 85.725 mm.** 85P09 Cyl 50.90 4 98.96 ESP 
	23.355 63.3 	22.22 73.85 	28.00 73.80 
	2.385 2.385 4.747 	2.00 2.00 2.00 4.74 4.00 	2.385 2.385 2.385 4.747 4.747 
			A = 93.637 C = 101.702 L = 179.388 H =5.817 
	P 440 230 Std PR 440 230	P 440 205 Std. P 440 205	P 440 185 Std. L 440 185 PR 440 185 K 440 185



	04	05	06
			**Motor 38157** 2520 ccm, 26.5 kW, (36 PS SAE), **Vehicle** 238, 364, 384, 414, 424, 434, 444, 2424, 2444 Tractor 7000, Forklift, 1963-
	**Ø 87.00 mm.** 87P01 Cyl 51.10 4 87.50 ESP 	**Ø 87,31 mm.** 87P09 Cyl 63.5 +8.5 -5.9 108.0 TÇP 	**Ø 88.90 mm.** 88P16 Cyl. 50.90 4 99.00 ESP 
	22.22 73.85 	28.178 70.5 	28.00 77.00 
	2.00 2.00 4.74 4.74 	2.385 2.385 2.385 6.35 	2.385 Cr 2.385 2.385 4.747 4.747 
			A = 93.69 C = 101.50 L = 185.70 H = 5.77 
	P 440 210 Std. PR 440 210	P 440 235 Std PR 440 235	P 440 100 Std. L 440 100 PR 440 100 K 440 100



	07	08	Motor wheel tractors - 1855T, 1950T, 1955T 09
			
	**Ø 90,48 mm.** 90P20 Cyl 60.55 105.10 	**Ø 98,425 mm.** 98P14 Cyl 65.087 -3.57 -16.7 112.315  Combustion Bowl 54.00	**Ø 98,425 mm.** 98P15 Cyl 60.35 -3.10 CSY -16.80 107.50  Combustion Bowl 53.90
	25.40 72.23 	31.75 82.55 	31.75 82.55 
	3.175 3.175 3.175 6.35 	2.381 2.381 4.762 	3.16 2.385 4.747 
			
	P 440 225 Std PR 440 225	P 440 240 Std PR 440 240	P 440 245 Std PR 440 245





Motor D 155, UD 155 **10**
2533 ccm, 26-43 kW, (35-58.5 PS), 16:1
Vehicle Tractor 353, 383, 423, 433, 453, 533, 1966-
Motor DD 206, UD 206
3382 ccm, 40-58 kW, (54-79 PS), 16:1
Vehicle Tractor 554,587, 624, 633, 644, 654, 733, Utility/Row Crop, D 8-41, 8-51, 221, 851, 1965-
Motor D 310, UD 310,
5070 ccm, 62-90 kW, (84-123 PS), 16:1
Vehicle Tractor 686, 706,756, 946, 955, 2706, 2756, 3820, 431, 531, 871, 891, Loader 165, Cottorpicker 616, 622, Forklift 9000, Crowler Loader 165, Cotton Harvester 95, 1965

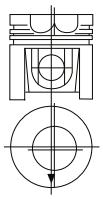
Motor DD 179, UD 179 **11**
2933 ccm, 35.3-50 kW, (48-68 PS), 16:1
Vehicle Tractor 240, 454, 464, 484, 523, 553, 633, Forlift 4500, Loeder 2400, 1965-
Motor DD 239,
3850 ccm, 47-67 kW, (64-91 PS), 16:1
Vehicle Tractor 250, 260, 544, 574, 674, 684, 724, 743, 744, 745, 824, 833, 2500, 2510, 2544, 3500, 3514, 8-61, 8-71, 421, 431, 861, Loader 100 E, 515 B, Dozer TD-7 E-PS Windrower, 5000, 5550, 1967-
Motor D 358, UD 358
5870 ccm, 66-104 kW, (90-141 PS), 16:1
Vehicle Tractor 826, 886, 955, 956, 1046, 1055, 1056, 2826, 3288, 3414, 531, Excavator 3965 B, Combine 630, 1420, Payloader 515, 640, 3964 B, 3965 B, 3966 B, 3984, 1965-

Motor DD 179, UD 179 **12**
2933 ccm, 35.3-50 kW, (48-68 PS), 16:1
Vehicle Tractor 240, 454, 464, 484, 523, 553, 633, Forlift 4500, Loeder 2400, 1965-
Motor DD 239,
3850 ccm, 47-67 kW, (64-91 PS), 16:1
Vehicle Tractor 250, 260, 544, 574, 674, 684, 724, 743, 744, 745, 824, 833, 2500, 2510, 2544, 3500, 3514, 8-61, 8-71, 421, 431, 861, Loader 100 E, 515 B, Dozer TD-7 E-PS Windrower, 5000, 5550, 1967-
Motor D 358, UD 358
5870 ccm, 66-104 kW, (90-141 PS), 16:1
Vehicle Tractor 826, 886, 955, 956, 1046, 1055, 1056, 2826, 3288, 3414, 531, Excavator 3965 B, Combine 630, 1420, Payloader 515, 640, 3964 B, 3965 B, 3966 B, 3984, 1965-



Ø 98.425 mm.
98P16

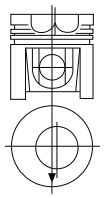
Cyl.	67.00
3/4/6	-19.90
	102.00



Combustion Bowl 55.00

Ø 98.425 mm.
98P17

Cyl.	67.00
3/4/6	-24.00
	102.00

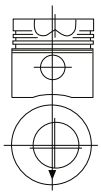


Combustion Bowl 55.90

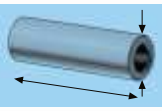
Ø 98.425 mm.
98P18

Cyl.	67.00
3/4/6	-19.90
	107.00

CSY



Combustion Bowl 55.00



36.00
81.80

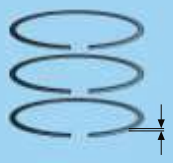


36.00
81.80

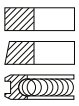


36.00
82.00

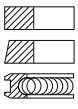




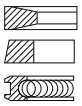
3.16 Cr
2.385
4.747



3.16 Cr
2.385
4.747

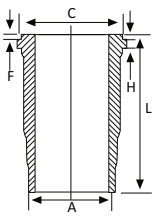


3.160 Cr
2.385 Cr
4.747 Cr

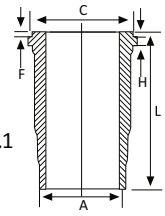




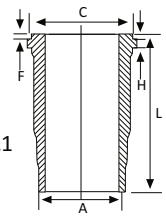
A = 110.75
C = 119.00
L = 201.10
H+F= 7.7+1.1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1



A = 110.75
C = 119.00
L = 201.10
H + F=7.7+1.1

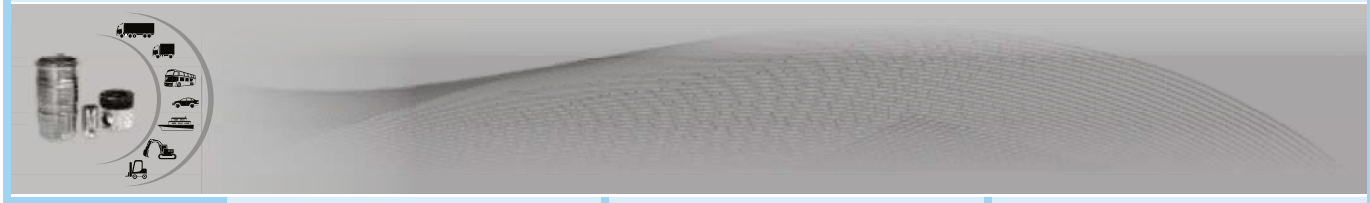




P 440 105 Std.
L 440 105
PR 440 105
K 440 105

P 440 115 Std.
L 440 115
PR 440 115
K 440 115

P 440 110 Std.
L 440 110
PR 440 110
K 440 110

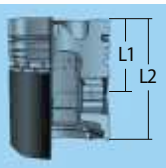




Motor DD 179, UD 179 **13**
2933 ccm, 35.3-50 kW, (48-68 PS), 16:1
Vehicle Tractor 240, 454, 464, 484, 523, 553, 633, Forlift 4500, Loeder 2400, 1965-
Motor DD 239,
3850 ccm, 47-67 kW, (64-91 PS), 16:1
Vehicle Tractor 250, 260, 544, 574, 674, 684, 724, 743, 744, 745, 824, 833, 2500, 2510, 2544, 3500, 3514, 8-61, 8-71, 421, 431, 861, Loader 100 E, 515 B, Dozer TD-7 E-PS Windrower, 5000, 5550, 1967-
Motor D 358, UD 358
5870 ccm, 66-104 kW, (90-141 PS), 16:1
Vehicle Tractor 826, 886, 955, 956, 1046, 1055, 1056, 2826, 3288, 3414, 531, Excavator 3965 B, Combine 630, 1420, Payloader 515, 640, 3964 B, 3965 B, 3966 B, 3984, 1965-

Motor DT 239 **14**
3920 ccm, 62.5 kW, (85 PS), 16:1
Vehicle Tractor 856 XL
Motor DT 358
5867 ccm, 88-127 kW,(120-172 PS), 16:1
Vehicle Tractor D 1246 1A, 1255 1XL, 953, Loader 520 B, Excavator 640, 1972-1983

Motor DT 239 **15**
3901 ccm, 60.5-62 kW (82-84 PS), 16.3:1
Motor DT 358
84.5-127 kW (115-172 PS), 16.3:1 1983-



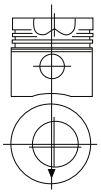




Ø 98.425 mm.
98P19

Cyl.	67.00
3/4/6	-24.00
	107.00

CSY

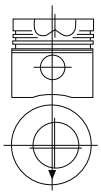


Combustion Bowl 56.00

Ø 98.425 mm.
98P20

Cyl.	66.90
4/6	-23.90
	107.00

CSY

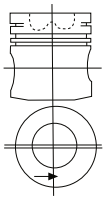


Combustion Bowl 56.00

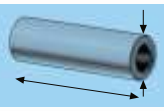
Ø 98.425 mm.
98P21

Cyl.	66.90
4/6	-21.40
	106.90

CSY



Combustion Bowl 56.00



36.00
82.00

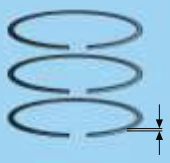


38.00
82.00

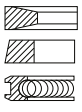


38.00
82.00

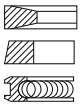




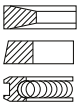
3.160 Cr
2.385 Cr
4.747 Cr



3.160 Cr
2.385
4.747

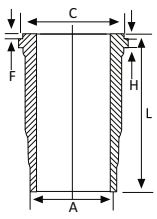


3.160 Cr
2.385
4.747

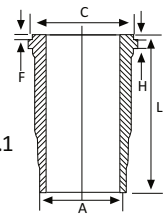




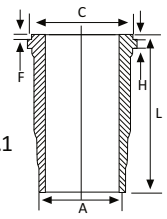
A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1

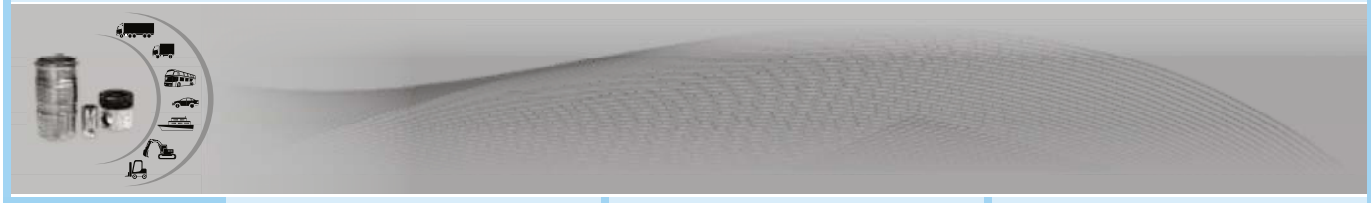


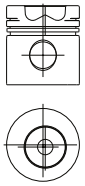
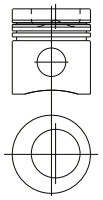
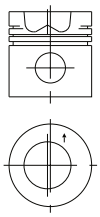
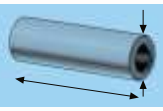
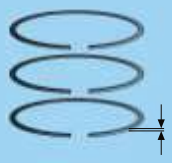
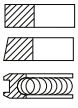
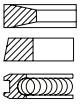
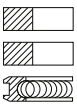
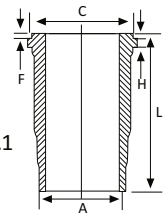
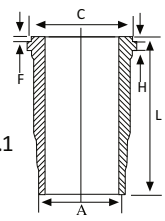
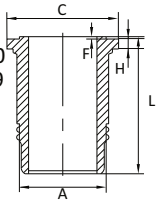


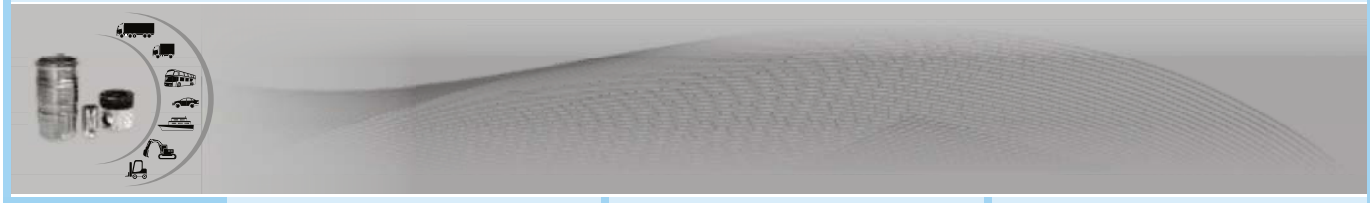
P 440 120 Std.
L 440 120
PR 440 120
K 440 120

P 440 125 Std.
L 440 125
PR 440 125
K 440 125

P 440 130 Std.
L 440 130
PR 440 130
K 440 130



	16	17	18
			**Motor D**, UD179 / D, DD239 16:1 **Vehicle** 240, 454, 464, 484, D523, D533, D633, XE633, SU644, L 2400 A,B Series.Tractors 1965 - 1972 2400 Loader 1965 - 1972 250, 125B, 260, 374, 544 , 574, 644,674,684, D724, 743XL 2500 A, B Series
	**Ø 98.425 mm.** 98P22 Cyl. 67.00 3/4/6 -19.90 102.00  Combustion Bowl 55.30	**Ø 98.425 mm.** 98P23 Cyl. 67.00 4/6 -22.10 107.00 CSY  Combustion Bowl 56.00	**Ø 98.425 mm.** 98P24 Cyl 66.95 3/4 -24.00 101.58  Combustion Bowl 55.90
	36.00 82.00 	36.00 82.00 	36.00 82.00 
	3.16 Cr 2.385 Cr 4.747 Cr 	3.16 2.385 4.747 	3.16 2.385 4.747 
	A = 110.75 C = 119.00 L = 201.10 H + F=7.7+1.1 	A = 110.75 C = 119.00 L = 201.10 H+F= 7.7+1.1 	A = 110.750 C = 118.999 H = 7.722 F = 1.143 L = 216.00 
	P 440 160 Std. L 440 160 PR 440 160 K 440 160	P 440 180 Std. L 440 180 PR 440 180 K 440 180	P 440 200 Std. P 440 200 PR 440 200 K 440 200

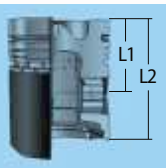




Motor D 155,UD 155, **19**
2540 ccm, 26.5-33 kW , (36-45 PS), 16:1
Vehicle 503, D353-383-423-433 XE 433,SU 533, XV 533, XE 533
Motor D 206,UD 206,
3380 ccm, 43 kW , (59 PS), 16:1
Vehicle D258, D584-554-644-645 E733, V733, D884
Motor D 310,UD 310,
5070 ccm, 63-78.5 kW (85-107 PS), 16:1
Vehicle 165, 95, 782, 431, 715, 711 SP, Hydro 86, 1965 D686-786-946-955

Motor DT 402 **20**
6587 ccm, 107-117.5 kW, (145-160 PS), 15:1
Vehicle Tractor 1455, Yumbo 650 HD/3994, Payloader 530, Combine 953. Excavator 650, 1978-

Motor D 246 **21**
4025 ccm, 55-60 kW (75-81.5 PS),
Vehicle Tractor 824, 844, 784, Utility/Row Crop, Hydro 84 Row Crop, 1974-



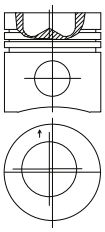




Ø98.425 mm.
98P25

Cyl	67.00
3/4/6	-18.10
	107.00

CSY

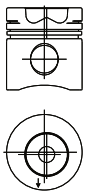


Combustion Bowl 54.00

Ø 100.00 mm.
100P18

Cyl.	66.90
6	-24.00
	106.90

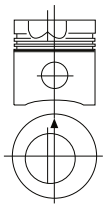
CSY



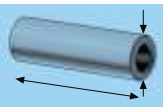
Combustion Bowl 56.00

Ø 100.00 mm.
100P19

Cyl.	67.00
4	-22.30
	107.00



Combustion Bowl 56.00



36.00
82.00

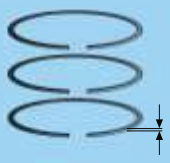


38.00
82.00

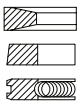


36.00
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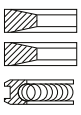




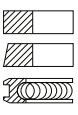
3.16 Cr
2.38 IW Cr
4.74 Cr



3.160 Cr
3.160 Cr
4.747 Cr

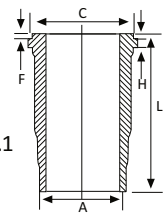


3.160 Cr
2.385
4.747

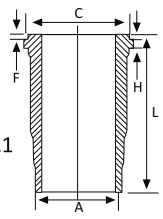




A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1

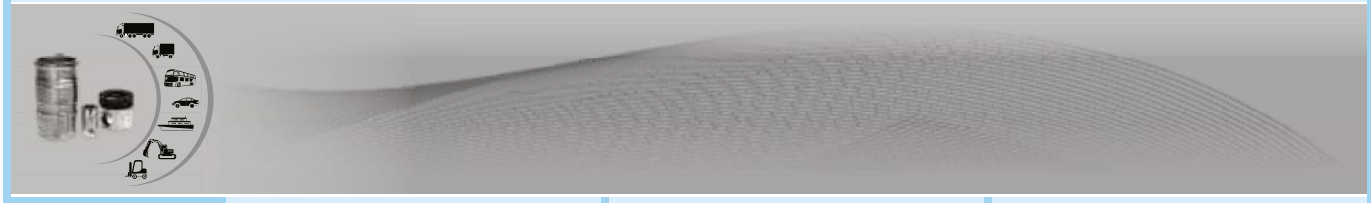




P 440 220 Std.
L 440 220
PR 440 220
K 440 220

P 440 135 Std.
L 440 135
PR 440 135
K 440 135

P 440 140 Std.
L 440 140
PR 440 140
K 440 140

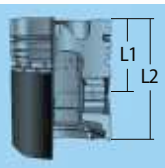




Motor D 268 **22**
4386 ccm, 56.5-65 kW (77-88 PS),
Vehicle Tractor 270, 844, 845, TD 8 C, Utility/Row Crop 884, Pay Loader 510, 1974-

Motor DT 402 **23**
6587 ccm, 107-117.5 kW, (145-160 PS), 15:1
Vehicle Tractor 1455, Yumbo 650 HD/3994, Payloader 530, Combine 953, Excavator 650, 1978-

Motor D 246 **24**
4025 ccm, 55-60 kW (75-81.5 PS),
Vehicle Tractor 824, 844, 784, Utility/Row Crop, Hydro 84 Row Crop, 1974-



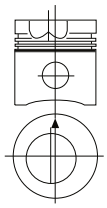




Ø 100.00 mm.
100P20

Cyl.	67.00
4	-24.00
	107.00

CSY

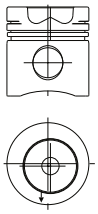


Combustion Bowl 59.00

Ø 100.00 mm.
100P21

Cyl.	66.90
6	-24.00
	106.90

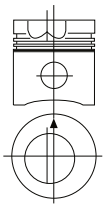
CSY



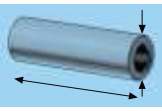
Combustion Bowl 59.00

Ø 100.00 mm.
100P22

Cyl.	67.00
4	-24.00
	107.00



Combustion Bowl 56.00



36.00
82.00

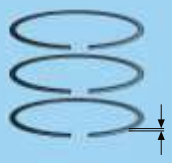


38.00
82.00

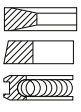


36.00
82.00

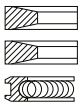




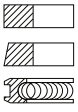
3.160 Cr
2.385
4.747



3.160 Cr
3.160 Cr
4.747 Cr

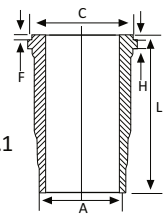


3.160 Cr
2.385 Cr
4.747

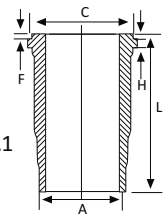




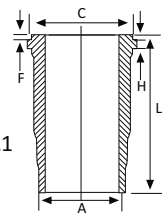
A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1



A = 110.75
C = 119.00
L = 216.10
H + F=7.7+1.1

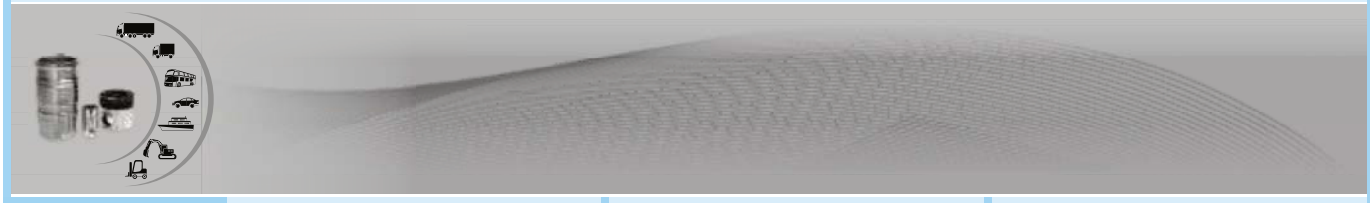




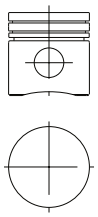
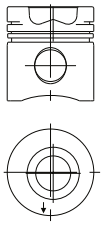
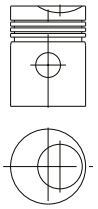
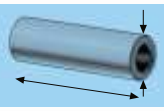
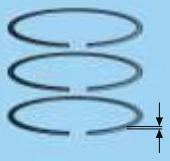
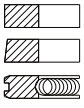
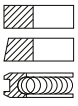
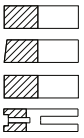
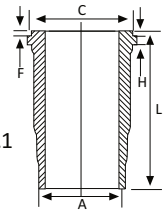
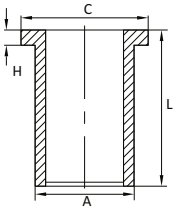
P 440 145 Std.
L 440 145
PR 440 145
K 440 145

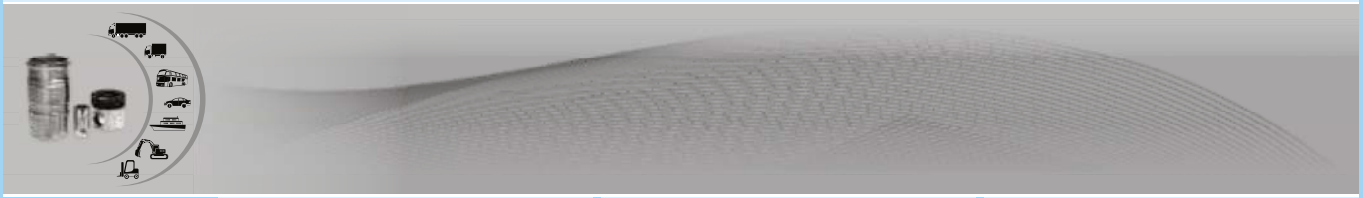
P 440 150 Std.
L 440 150
PR 440 150
K 440 150

P 440 155 Std.
L 440 155
PR 440 155
K 440 155





25	26	27
	Motor D 246 4037 ccm, 54-60 kW (73-82 PS), 16:1 **Vehicle** Series 84, 784, 784, 1974 Series 844, 01.1974 - 12.1990	**Diesel Motor 450 Tractor BMD, BTD-6 DTB - 100 Crawler**
	**Ø 100.00 mm.** 100P23 Cyl 59.74 4/6 101.16 	**Ø 100.00 mm.** 100P24 Cyl. 67.00 4 -22.30 107.00  Combustion Bowl 57.50	**Ø 101.60 mm.** 101P11 Cyl 79,50 4 -9.00 135.00  Combustion Bowl 60.30
	38.10 82.30 	36.00 82.00 	33.337 82.00 
	2.50 2.50 4.00 	3.160 Cr 2.385 4.747 	2.38 2.38 2.38 6.33 
		A = 110.75 C = 119.00 L = 216.10 H + F=7.7+1.1 	A = 107.97 C = 113.80 L = 257.30 H = 4.76 
	P 440 195 Std. PR 440 195	P 440 215 Std. L 440 215 PR 440 215 K 440 215	P 440 190 Std. L 440 190 PR 440 190 K 440 190



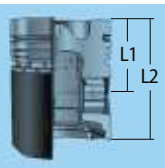
I

IHC



Diesel Motor **28**
DTA 466 C

Diesel Motor **29**
DVT-573 B
VehicleHauler PH-65 C Loader H-90C, Scraper 270, E-270 Crawler TD-20C



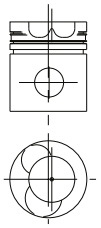




Ø 109.23 mm.
109P02

Cyl.	86.347
6	-2.057
	-1.397
	-21.946
	127.508

CSY

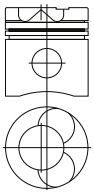


Combustion Bowl 65.50

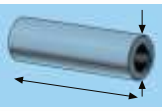
Ø 114.30 mm.
114P16

Cyl.	74.701
8	-3.50
	-21.00
	124.222

CSY



Combustion Bowl 63.00

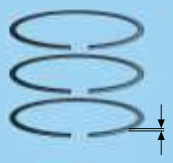


41.275
89.20

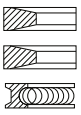


41.275
95.20

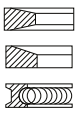




3.175
3.175
6.350

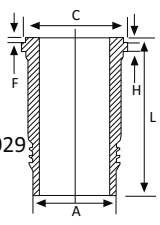


3.175 Cr
2.381 Cr
6.350 Cr

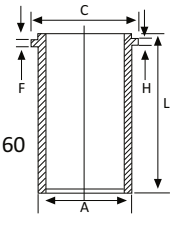




A = 123.622
C = 133.223
L = 238.252
H+F= 8.941 +1.029



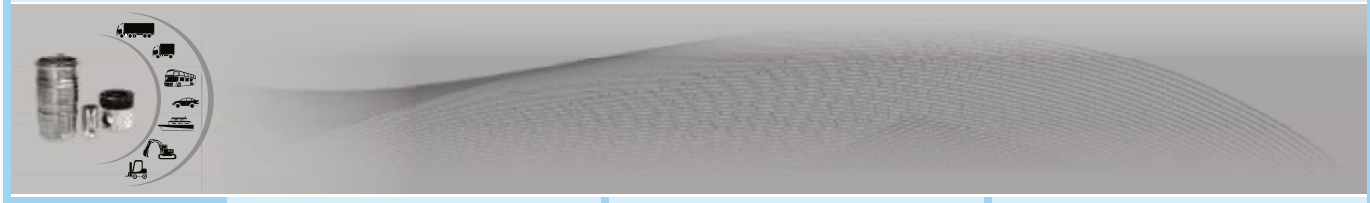
A = 130.048
C = 130.811
L = 223.838
H+F= 8.941 +1.60



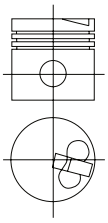
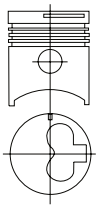
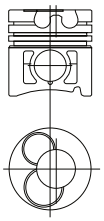
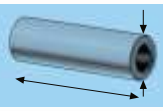
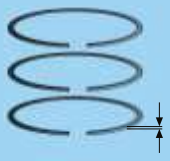
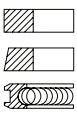
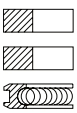
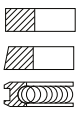


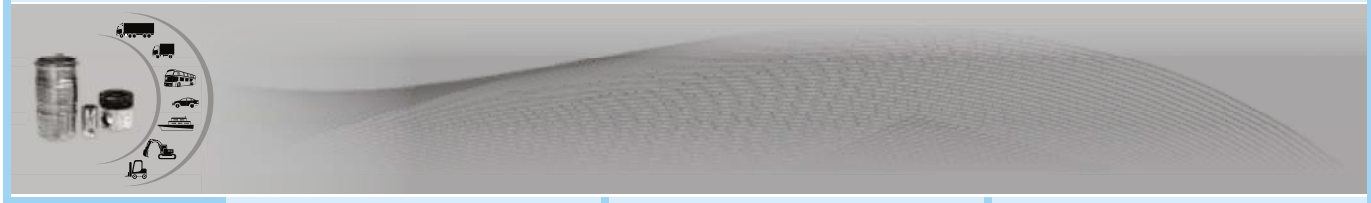
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L 440 175
PR 440 175
K 440 175

P 440 165 Std.
L 440 165
PR 440 165
K 440 165

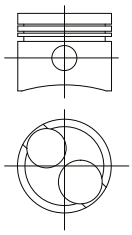
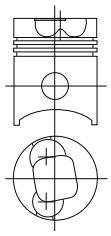
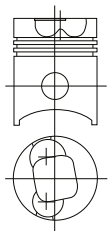
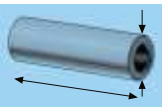
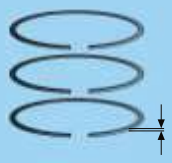
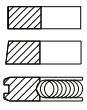
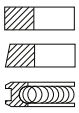
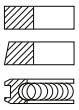
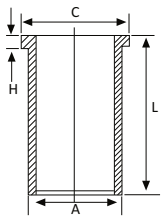
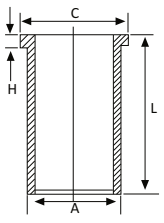


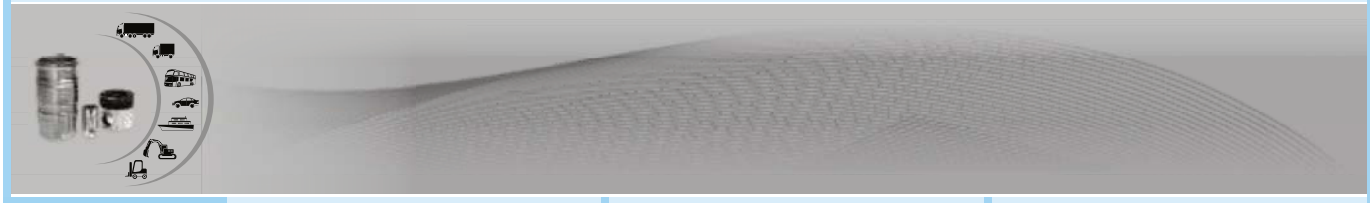


	01	02	03
	Motor 4 FB 1 1817 ccm, 21:1 Vehicle Fargo WFR/WFS50, Gemini PFD 60, 1980-1984	**Motor C 240, 250 D** 2369 ccm, 44-45.5 kW, (60-62 PS), 20:1 **Vehicle** TLD 13-23-23 Z-33-43-53-63, KUD 20-20 Z-20 VF, BLD 23-23 Z- 23 ZV-24, 2-3 AB 1 Industrial MARINE, ab 1970-	
	**Ø 84.00 mm.** 84P10 Cyl. 44.80 4 -2.05 +0.55 74.75 	**Ø 86.00 mm.** 86P03 Cyl. 51.50 4 -3.00 95.50 	**Ø 93.00 mm.** 93P08 Cyl. 51.85 -0.52 19.50 91.85 PSP CSY 
	25.00 67.00 	27.00 72.00 	34.00 78.50 
	2.50 2.00 4.00 	2.00 2.00 5.00 	2.00 2.00 4.00 
			
	P 445 100 Std. P 445 100 0.50 P 445 100 1.00 PR 445 100	P 445 105 Std. PR 445 105	P 445 125 Std. PR 445 125



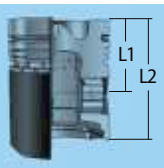


	04	Motor 4BB1 05 3595 ccm, 17.5:1 **Vehicle** Elf, 1979, Elf 350 Turck KS11, 21, 31, 1973, BE20D, BE20DH, 1973-1980, KS 11D/31A, 1973-1977	Motor 6BDI 06 5785 ccm, 17.5:1 **Vehicle**
	**Ø 102.00 mm.** 102P16 Cyl 59.00 4 -19.50 -0.35 104.20 CSY  Combustion Bowl 54.60	**Ø 102.00 mm.** 102P17 Cyl. 62.70 4 -19.30 +0.25 112.30  Combustion Bowl 58.70	**Ø 102.00 mm.** 102P18 Cyl. 59.00 4 -19.50 -0.35 104.20 
	35.00 87.50 	35.00 87.00 	35.00 86.00 
	3.00 2.50 5.00 	3.00 Cr 2.50 5.00 	3.00 Cr 2.50 5.00 
		A = 115.03 C = 111.94 L = 203.96 H = 1.40 	A = 105.03 C = 111.94 L = 203.96 H = 1.40 
	P 445 135 Std. PR 445 135	P 445 110 Std. L 445 110 PR 445 110 K 445 110	P 445 115 Std. L 445 115 PR 445 115 K 445 115



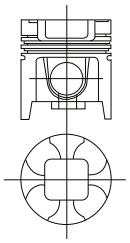
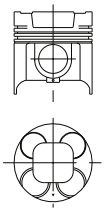


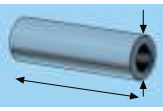
Motor	07	Motor 6RB 1/2 13741 ccm Motor 6RA 1/2 12013 ccm	08	



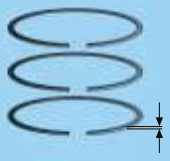


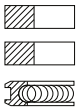
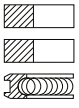


	Ø 135.00 mm. 135P06		**Ø 135.00 mm.** 135P07	
Cyl. 4	89.15 -0.80 -2.50 -26.00 149.40		Cyl 6	81.60 -1.00 - 2.40 -27.20 142.50
CSY KMP			CSY KMP	
Combustion Bowl 73.00			Combustion Bowl 78.20	

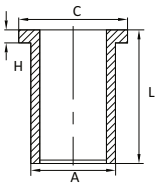


50.00 104.10		50.00 104.00	



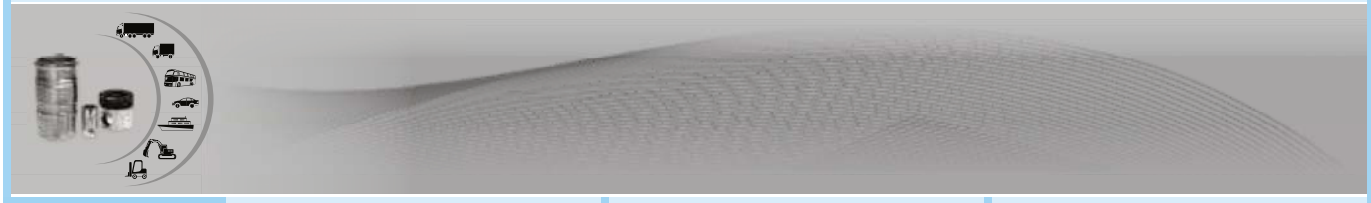
4.00 Cr 2.86 Cr 5.00 Cr		4.00 2.50 5.00	



		A = 141.11 C = 146.65 L = 264.00 H = 6.05	

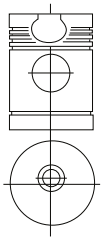
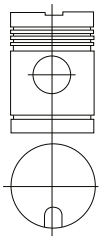
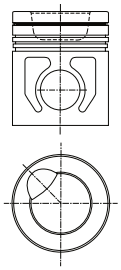
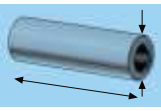
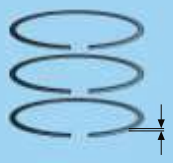
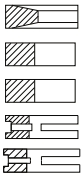
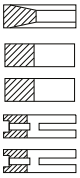
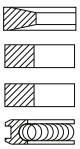


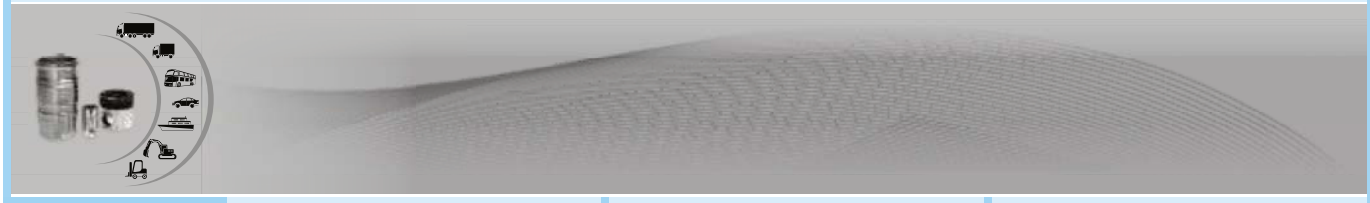
P 445 120 Std. PR 445 120		P 445 130 Std. L 445 130 PR 445 130 K 445 130	



J

JENBACHER

	Motor Air Cooled - Dry Type **01**	Motor Water Cooled - Wet **02**	**03**
			
	**Ø 125.00 mm.** 125P03 Cyl. 95.00 2 -42.00 158.50 ESP  Combustion Bowl 33.00	**Ø 125.00 mm.** 125P04 Cyl. 83.80 1/2/3/4 -5.00 158.80 ESP 	**Ø 135.00 mm.** 135P08 Cyl. 107.90 4/6 -39.00 157.00 CSY 
	48.00 106.00 	45.00 107.00 	55.00 111.80 
	4.00 Cr 3.50 3.50 6.00 Cr 6.00 	4.00 Cr 3.50 3.50 6.00 Cr 6.00 Cr 	3.50 3.00 3.00 5.00 
			
	P 450 100 Std. L 450 100 PR 450 100	P 450 105 Std. L 450 105 PR 450 105	P 450 115 Std. PR 450 115

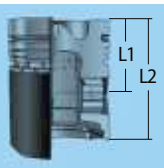




Motor 310 **01**
2490 ccm, 23.5 kW, (32 PS), 16.7:1
Motor 510
2490 ccm, 29.4 kW, (40 PS), 16.7:1
Motor 710
3320 ccm, 36.7 kW, (50 PS), 16.7:1
1964-1967

Diesel Motor 153.310/510, **02**
2490 ccm, 23,5 - 29,5 kW,
(32-40 PS),16,7:1
Vehicle 820, 920
Diesel Motor 204, 710,
3320 ccm, 37 kW, (50 PS), 16,7:1
Vehicle Tractor T 100/1.010, Mahdre-scher HJ-LO,220 Crawler JD 450, Skidder 440, Tractor T700
Diesel Motor 6303 DL 01,
4975 ccm, 59,5 kW, (81 PS),
16,7:1Vehicle 3120, 1964 - 1967

Motor 310 **03**
2490 ccm, 23.5 kW, (32 PS), 16.7:1
Motor 510
2490 ccm, 29.4 kW, (40 PS), 16.7:1
Motor 710
3320 ccm, 36.7 kW, (50 PS), 16.7:1
1964-1967



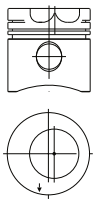




Ø 98.00 mm.
98P01

Cyl.	57.35
3/4	-16.50
	99.35

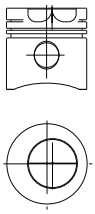
CSY



Combustion Bowl 58.70

Ø 98.00 mm.
98P02

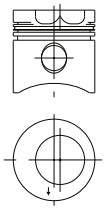
Cyl	57.35
3/4/6	-16.50
	99.35



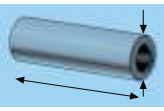
Combustion Bowl 59.00

Ø 98.00 mm.
98P03

Cyl.	57.27
3/4	-16.50
	99.35



Combustion Bowl 59.00



30.17
80.60

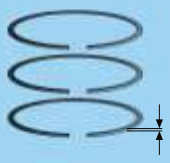


30.17
80.60

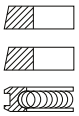


30.17
81.40

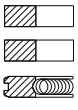




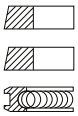
2.385 Cr
2.385
5.00 Cr



2.385
2.385
5.00



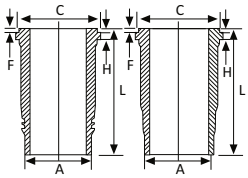
2.385 Cr
2.385
5.00 Cr



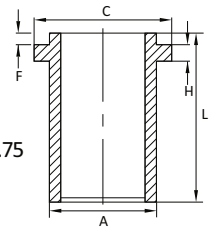


A = 107.60
C = 123.00
L = 197.00
H + F=6+0.75

A = 107.60
C = 123.00
L = 197.00
H + F=6+0.75

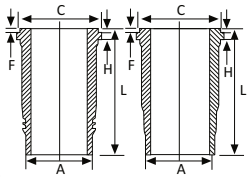


A = 107.60
C = 123.00
L = 197.00
H + F= 6+0.75



A = 107.60
C = 123.00
L = 197.00
H + F=6+0.75

A = 107.60
C = 123.00
L = 197.00
H + F=6+0.75





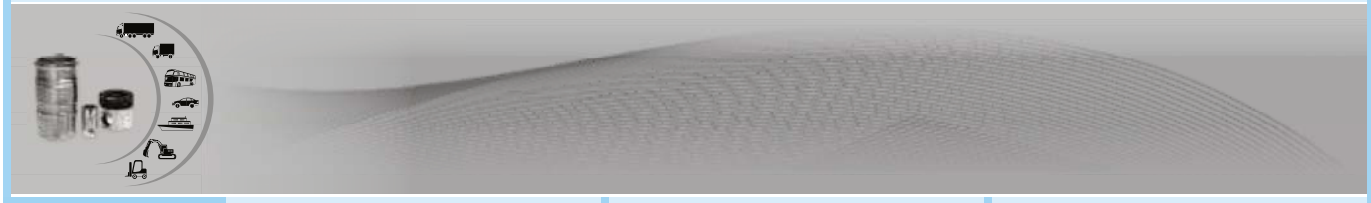
P 455 100 Std.
P 455 100 0.50
L 455 100
PR 455 100
K 455 100

L 455 101

P 455 170 Std.
L 455 170
PR 455 170
K 455 170

P 455 205 Std.
L 455 205
PR 455 205
K 455 205

L 455 206





Motor 3164 DL 01, JD 164 **04**
2696 ccm, 41 kW, (56 PS), 16.7:1
Vehicle Schlepper 1520,
Motor 4219 DL 01,
3588 ccm, 53 kW, (72 PS), 16.7:1
Vehicle Schlepper 2030, 2120, 2520, Wheel Loader JD 410, Combine 3300, Skidder JD 440
Motor 6239 DL 01, JD 329
5395 ccm, 66 kW, (90 PS), 16.7:1
Vehicle Schlepper 3120, 1968-1973

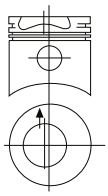
Motor 3164 DL 03 **05**
2690 ccm, 26-37.5 kW, (35-51 PS), 16.7:1
Vehicle Tractor 830, 930, 1020, 1030, 1035, 1120, 1130, 1530, 2020, 2040, 890, 925, 930, 1967-
Motor 4219 DL 03
3590 ccm, 50 kW, (68 PS), 16.7:1
Vehicle Tractor 2030, 2035, 2440, 3030, 3130, 935, Wheel Loader JD 410, 1968-
Motor 6329 DL 03
5380 ccm, 63-65.5-68 kW, (86-89-92 PS), 16.2:1
Vehicle Tractor 3030, 3130, 3135, 4030, 955, Combine 6600, 1973-

06



Ø 102.00 mm.
102P19

Cyl.	57.30
3/4/6	-16.50
	103.10

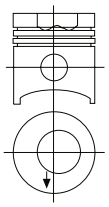


Combustion Bowl 59.00

Ø 102.00 mm.
102P20

Cyl.	66.30
3/4/6	-21.50
	112.00

CSY

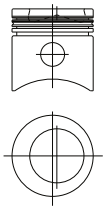


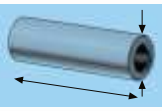
Combustion Bowl 54.00

Ø 102.00 mm.
102P21

Cyl.	57.30
3/4/6	-16.50
	103.10

CSY
KMP





30.17
85.00

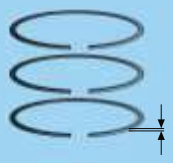


34.925
84.00

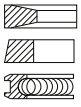


30.17
85.00

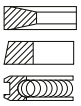




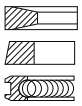
3.16 Mo
2.40
5.00 Cr



3.16 Mo
2.39
5.00 Cr



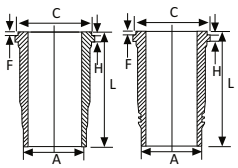
3.16
2.40
5.00 Cr





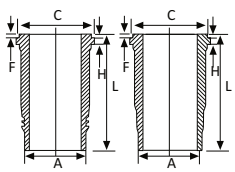
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C = 125.00
L = 197.00
H + F=6+0.75

A = 111.00
C = 125.00
L = 197.00
H + F=6+0.75



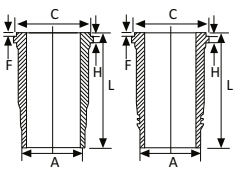
A = 111.00
C = 125.00
L = 197.00
H +F=6+0.75

A = 111.00
C = 125.00
L = 197.00
H +F=6+0.75



A = 111.00
C = 125.00
L = 197.00
H + F=6+0.75

A = 111.00
C = 125.00
L = 197.00
H + F=6+0.75

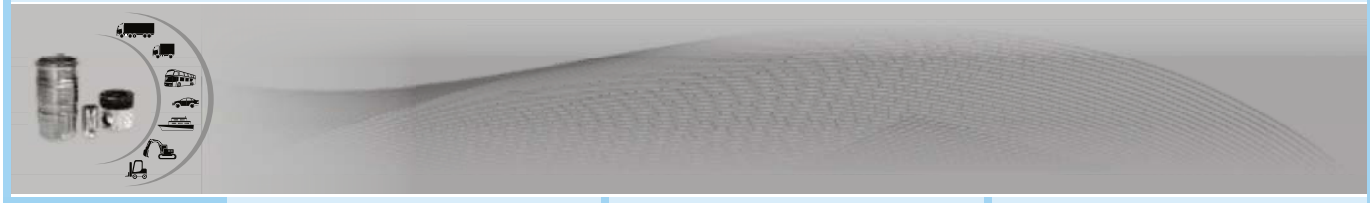




P 455 105 Std.
L 455 105
PR 455 105
K 455 105
L 455 106

P 455 110 Std.
L 455 110
PR 455 110
K 455 110
L 455 111

P 455 135 Std.
L 455 135
PR 455 135
K 455 135
L 455 136

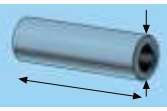




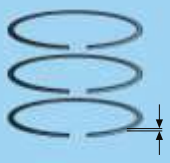
07	08	09
	Motor 3164D 164 CID 2.7L JD302,1530,2040 JD310,302,302A	**Motor 3239 D** 2938 ccm, 41 kW, (56 PS), 16-16.8:1 **Vehicle T**ractor 1040, 1140, 932, **Motor 4239 D / DL** 3920 ccm, 46-55 kW, (62-75 PS), 16-16.8:1 **Vehicle** Tractor 1640, 2030, 2040, 2130, 942, 952 **Motor 6359 D / DL / TZ 02** 5880 ccm, 66-83 kW, (90-113 PS), 16-16.8:1 **Vehicle** Tractor 3040, 3140, 3640, 955, 975, 1975-



	Ø 102.00 mm. 102P22	**Ø 102.00 mm.** 102P23	**Ø 106.50 mm.** 106P02
	Cyl. 4/6	Cyl	Cyl. 3/4/6
	66.30 -21.00 110.65	66.30 -21.20 110.80	66.42 -18.75 112.00
	CSY	CSY	CSY
	Combustion Bowl 54.00	Combustion Bowl 54.0	Combustion Bowl 58.20



34.925 84.00	34.925 84.5	34.925 84.00



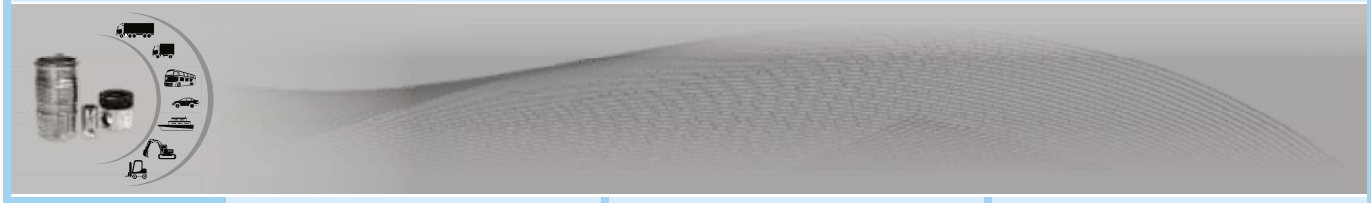
3.16 2.40 5.00 Cr	3.16 2.385 5.0	3.134 Mo 2.385 3.465 Cr



A = 111.00 C = 125.00 L = 197.00 H + F=6+0.75 A = 111.00 C = 125.00 L = 197.00 H + F=6+0.75		A = 115.70 C = 126.00 L = 196.50 H +F=6+0.75



P 455 140 Std. L 455 140 PR 455 140 K 455 140	L 455 141	P 455 255 Std. PR 455 255	P 455 115 Std. L 455 115 PR 455 115 K 455 115





Motor 4239 T / V **10**
3920 ccm, 60-67 kw,
(82-91 PS DIN), 17.8:1
Vehicle Tractor 2140
Motor 6359 T
5880 ccm, 82-102 kW,
(112-139 PS DIN), 17.8:1
Vehicle Tractor 4040

Motor 4239 T/TL **11**
3920 ccm, 60-67 kW,
(82-91 PS), 17.8:1
Vehicle Tractor 2140,
Motor 6359 T
5880 CCM, 82-102 kW,
(112-139 PS). 17.8:1
Vehicle Tractor 4040,

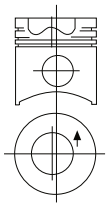
Motor 3239 D **12**
2938 ccm, 41 kW, (56 PS), 16-16.8:1
Vehicle Tractor 1040, 1140, 932,
Motor 4239 D/DL
3920 ccm, 46-55 kW, (62-75 PS), 16-16.8:1
Vehicle Tractor 1640, 2030, 2040, 2130, 942, 952,
Motor 6359 D/DL/TZ 02
5880 ccm, 66-83 kW, (90-113 PS), 16-16.8:1
Vehicle Tractor 3040, 3140, 3640, 955, 975, 1975-



Ø 106.50 mm.
106P03

Cyl. 66.42
4/6 -19.65
112.00

KMP
CSY

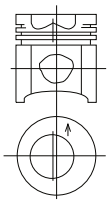


Combustion Bowl 58.40

Ø 106.50 mm.
106P04

Cyl. 66.42
4/6 -19.65
112.00

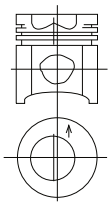
CSY



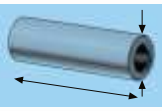
Ø 106.50 mm.
106P05

Cyl. 66.42
3/4/6 -18.75
112.00

CSY



Combustion Bowl 58.40



41.29
84.00

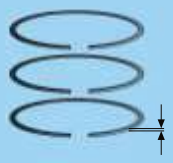


41.29
84.00

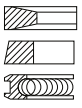


34.925
84.00

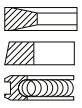




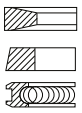
3.134 Mo
2.385 Cr
3.465 Cr



3.134 Mo
2.385 Cr
3.465 Cr

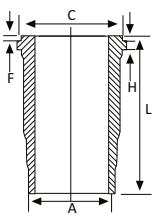


3.134 Mo
2.385
3.465 Cr

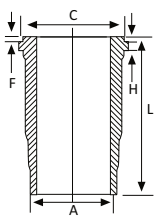




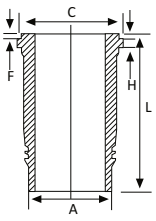
A = 115.70
C = 126.00
L = 196.50
H + F=6+0.75



A = 111.00
C = 125.00
L = 197.00
H + F=6+0.75



A = 111.00
C = 125.00
L = 197.00
H +F=6+0.75

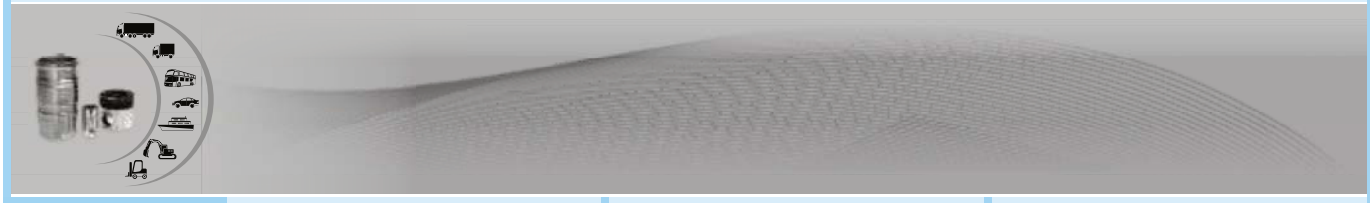


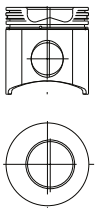
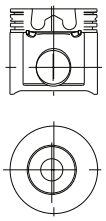
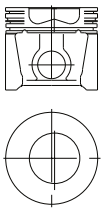
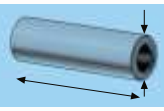
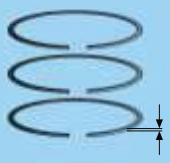
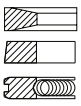
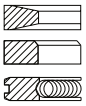
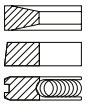


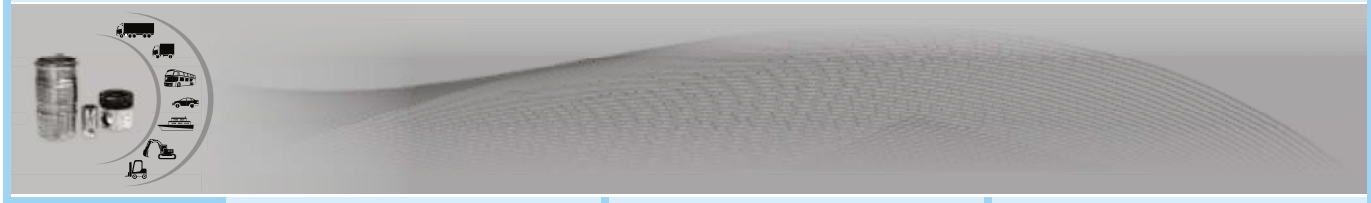
P 455 120 Std.
L 455 120
PR 455 120
K 455 120

P 455 125 Std.
L 455 125
PR 455 125
K 455 125

P 455 130 Std.
L 455 130
PR 455 130
K 455 130



	13	14	15
			
	**Ø 106.50 mm.** 106P06 Cyl 3/4/6 66.30 -18.80 112.00 CSY  Combustion Bowl 58.50	**Ø 106.50 mm.** 106P07 Cyl 3/4/6 71.60 -25.40 104.60 CSY KMP  Combustion Bowl 56.90	**Ø 106.50 mm.** 106P08 Cyl 3/4/6 66.30 -18.90 95.50 CSY KMP  Combustion Bowl 58.50
	41.29 84.00 	41.275 71.60 	32.00 80.00 
	3.134 2.385 3.465 	3.16 2.38 3.50 	2.50 2.385 3.50 
			
	P 455 155 Std. PR 455 155	P 455 180 Std. PR 455 180	P 455 185 Std. PR 455 185

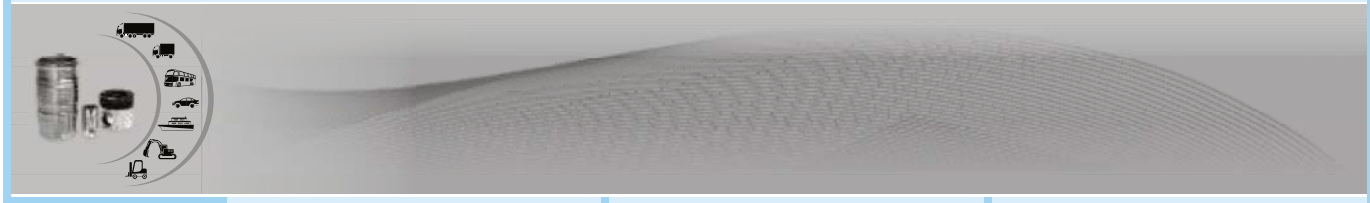


J

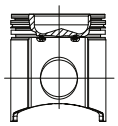
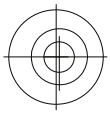
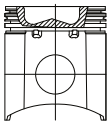
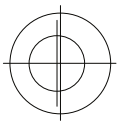
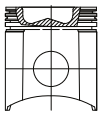
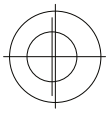
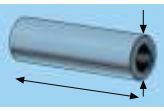
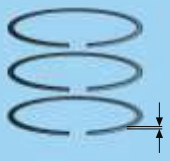
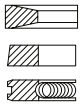
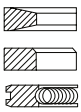
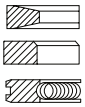
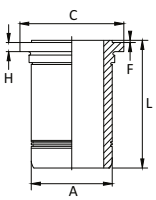
JOHN DEERE



16	17	18
Ø 106.50 mm. 106P09 Cyl 3/4/6 71.70 -22.15 120.00 CSY Combustion Bowl 60.00	**Ø 106.50 mm.** 106P10 Cyl 3/4/6 71.65 -25.50 100.80 CSY KMP Combustion Bowl 57.00	**Ø 106.50 mm.** 106P11 Cyl 4/6 71.65 -23.65 100.60 CSY Combustion Bowl 57.30
41.275 84.00	34.925 71.00	34.925 71.00
3.134 2.385 3.465	2.467 2.465 3.544	2.50 2.385 3.50
P 455 190 Std. PR 455 190	P 455 195 Std. PR 455 195	P 455 200 Std. PR 455 200

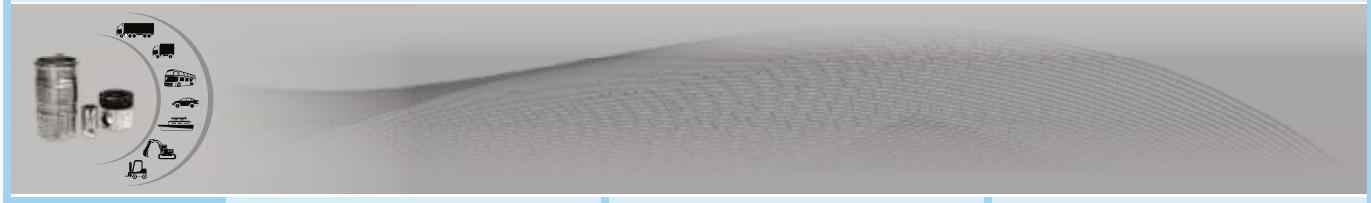




	Motor 300NA, 3179D, 4039D, 4045D, 6059D, 6068D **19** 2940-3920-4524-5878-6786 ccm, 28-41/60/ 63 /97 kW , (36-56 PS), 16.8:1, (80 PS), 17.8:1 (85 PS), 16.3:1 ,(120 PS), 17.8:1 (130 PS), 16.3:1	**Motor Power Tech 4.5** **20** 3029D,3179D,4039D,4219D 4239D,6359D	**Motor 3029T,3179T 179 CIC 2.9L** **21** 2355N
	**Ø106.50 mm.** 106P12 Cyl 66.30 3 / 4 / 6 -18.85 112.00  CSY  Combustion Bowl 58.50	**Ø 106.50 mm.** 106P13 Cyl 66.30 -18.75 112.00  CSY  Combustion Bowl 58.40	**Ø 106.50 mm.** 106P14 Cyl 66.30 -18.80 112.00  CSY  Combustion Bowl 58.40
	34.925 84.000 	34.925 84.0 	41.275 84.0 
	3.134 Mo 2.385 Cr 3.50 	3.16 2.385 3.5 	3.16 2.385 3.5 
	A = 115.70 C = 126.00 L = 197.00 H + F=6.0 5+ 0.80 		
	P 455 210 Std. L 455210 PR 455210 K 455210	P 455 225 Std. PR 455 225	P 455 245 Std. PR 455 245

J

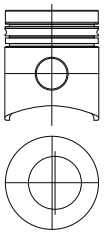
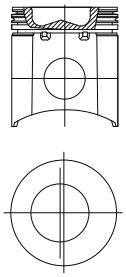
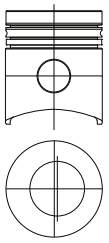
JOHN DEERE

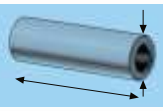




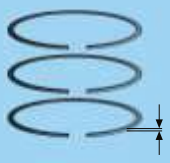
22	23	24
	Motor Power Tech 6.8t 4045T , 6060T , 6068H	**Motor 8060.25620** 276 CID (4.5L) 4045H,4045T,4276T TURBO DIESEL ENGINE WHEEL LOADERS-JD440C,JD540B JD555,410C,440C,444E,510C,540B 610B,610C CRAWLER TRACTORS- JD550,450E 450G,455E,455G,550,550A,B,G 555,A,B,G,650G SKIDDERS-340D,440D,446D,540D EXCATORS-495D,590D,595,D,5950

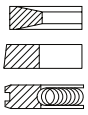
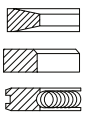
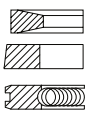


	Ø 106.50 mm. 106P15	**Ø 106.50 mm.** 106P16	**Ø 106.50 mm.** 106P17
Cyl	71.70 -22.73 124.50	71.70 -21.90 120.00	71.70 -22.60 124.50
CSY			
	Combustion Bowl 60.10	Combustion Bowl 60.15	Combustion Bowl 60.20



34.925 84.125 	41.275 84.3 	41.275 84.3 

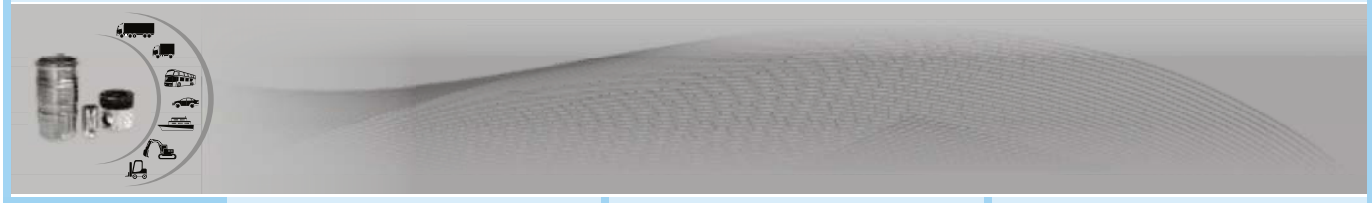


3.16 2.385 3.5 	3.16 2.385 3.5 	3.16 2.385 3.5 

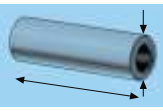
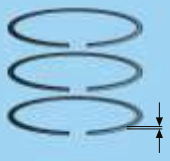


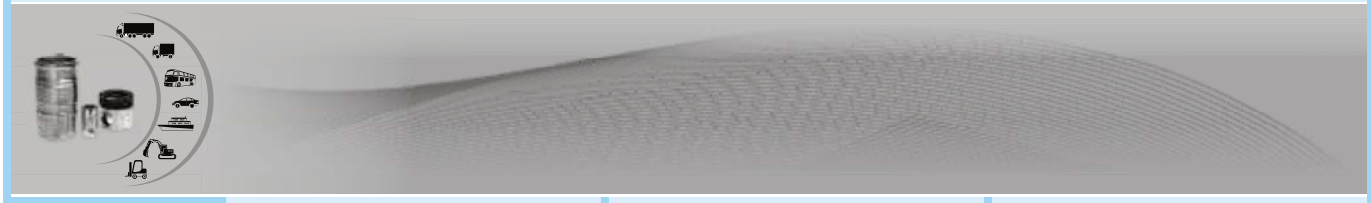


P 455 265 Std. PR 455 265	P 455 250 Std. PR 455 250	P 455 270 Std. PR 455 270



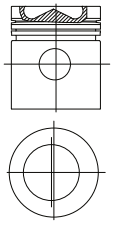
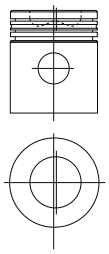
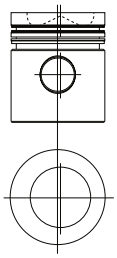
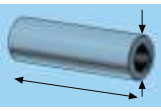
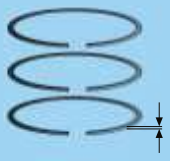
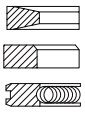
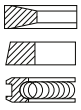
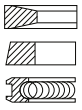


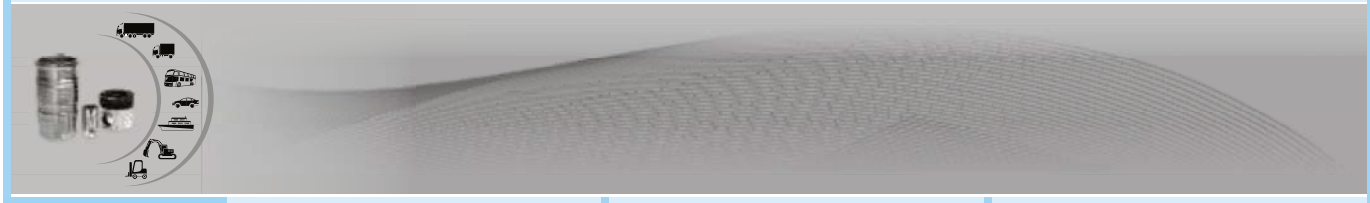
	Diesel Motor 6404 T 6404 A, Combine6600, 6602, 7700, Harvester **25**	**26**	**Motor 270 Late** 3020, JD500,JD500B,500C,510 **27**
	**Ø 107.95 mm.** 107P11 Cyl 70.00 6 -18.50 124.50 CSY Combustion Bowl 63.50	**Ø 107.95 mm.** 107P12 Cyl 69.85 -21.00 -2.8 124.20 DSY Combustion Bowl 61.0	**Ø 107.95 mm.** 107P13 Cyl 69.95 -18.15 124.40 CSY Combustion Bowl 63.20
	38.10 85.00	41.275 88.1	38.1 87.3
	3.170 2.385 6.335	3.947 3.947 4.747	3.16 2.385 6.335
	A = 117.55 C=131.55 H+F= 6.40+0.68 L= 232.50 A = 117.60 C=130.175 H+F= 6.43+1.00 L= 233.00	A = 117.55 C=131.55 H= 6.40 F= 0.68 L= 232.50	A = 117.55 C=131.55 H= 6.40 F= 0.68 L= 232.50
	P 455 165 Std. PR 455 165	P 455 230 Std. PR 455 230	P 455 235 Std. PR 455 235



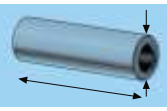
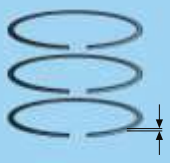
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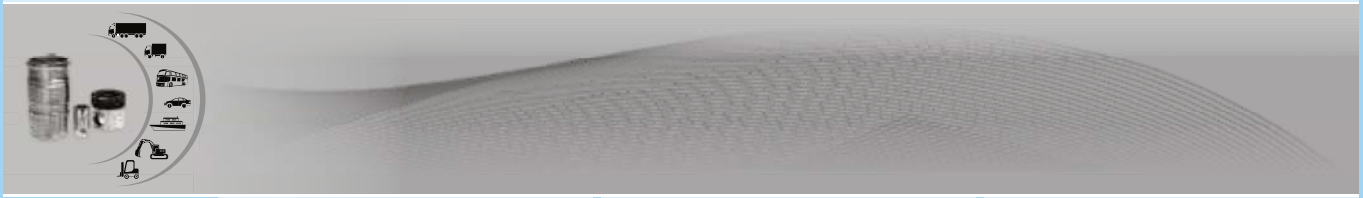
JOHN DEERE

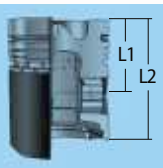
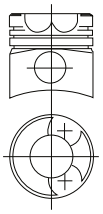
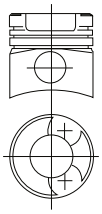
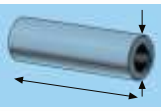
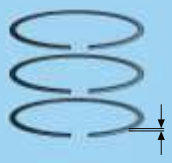
	Motor 254 CID 4.2L 3010,JD500,JD500A	**28**	**29**	**30**
				
		**Ø 107.95 mm.** 107P14 Cyl 70.15 -14.75 124.60 CSY  Combustion Bowl 67.85	**Ø 108.00 mm.** 108P04 Cyl. 70.00 4/6 -18.80 124.50 CSY  Combustion Bowl 63.50	**Ø 108.00 mm.** 108P05 Cyl. 70.00 4/6 -15.00 124.30 CSY  Combustion Bowl 68.75
	38.1 87.3 	38.10 85.00 	38.10 85.00 	
	3.16 2.385 6.335 	3.00 2.50 4.747 	3.16 2.385 6.335 	
				
	P 455 240 Std. PR 455 240	P 455 145 Std. PR 455 145	P 455 150 Std. PR 455 150	

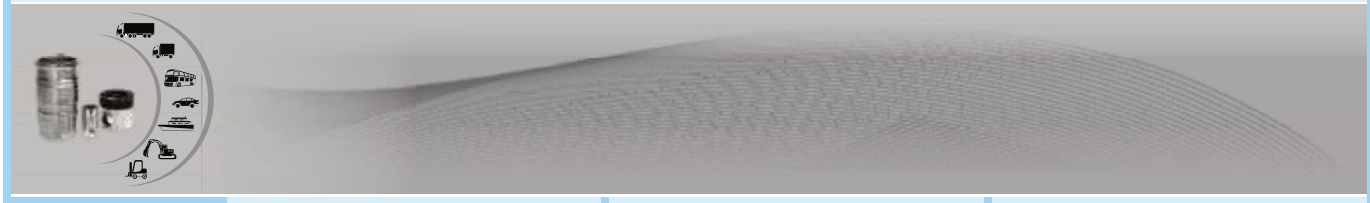




	31	32	33
		Motor 6466AF 6Cyl **Vehicle** Scraper JD 762A Serial no.239487-UpWhell Tractor 4850	
	**Ø 109.73 mm.** 109P03 Cyl 75.65 -19.2 -1.7 -3.6 129.65 CSY KMP Combustion Bowl 63.10	**Ø 115.90 mm.** 115P21 Cyl 70.35 6 -2.00 -2.00 -19.50 124.90 DSY KMP Combustion Bowl 68.50	**Ø 115.90 mm.** 115P22 Cyl 70.40 -19.60 -2.00 124.90 DSY KMP Combustion Bowl 68.45
	38.1 89.0	47.61 91.40	47.625 90.9
	3.16 2.385 6.335	3.969 3.969 4.763	3.947 3.947 4.747
			A = 125.15 C=135.10 H= 8.20 F= 1.20 L= 232.60
	P 455 220 Std. PR 455 220	P 455 175 Std. PR 455 175	P 455 260 Std. PR 455 260



	01	02	
			
  	**Ø 120.00 mm.** 120P05 Cyl. 75.85 3/4/6 -2.30 -26.00 122.30 	**Ø 120.00 mm.** 120P06 Cyl. 75.85 3/4/6 -2.30 -26.00 122.30  Combustion Bowl 60.00	
	45.00 95.00 	45.00 95.00 	
	3.16 Cr  3.16 Cr  5.00 	3.16 Cr  3.16 Cr  5.00 	
			
	P 460 125 Std. PR 460 125	P 460 130 Std. PR 460 130	





01

Diesel Motor FL 1011 1366 ccm, 22 kW, (30 PS), 18,5:1
Diesel Motor FL 1011 2049 ccm, 33 kW, (45 PS), 18,5:1
Diesel Motor FL 1011 2732 ccm, 44 kW, (60 PS), 18,5:1
Vehicle Stationary engine

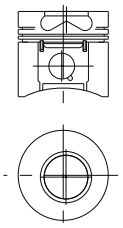
02

Motor F 1 L 712 **03**
850 ccm, 9.5-10.3 kW, (13-14 PS), 20:1
Vehicle Tractor D, 13-14-15
Motor F 2 L 712
1700 ccm, 13.3-17.6 kW, (18-24 PS), 20:1
Vehicle Tractor D, 25-30 S
Motor F 3 L 712
2550 ccm, 28 kW, (38 PS), 20:1
Vehicle Tractor D, 40-L-S
Motor F 4 L 712
3400 ccm, 38 kW, (52 PS), 20:1
Vehicle Tractor D, 50-S
Motor F 6 L 712
5100 ccm, 66 kW, (90 PS), 20:1
Vehicle Sirius 90, 1958-1968



Ø 91.00 mm.
91P01

Cyl 55.20
2/3/4 -19.80
86.15

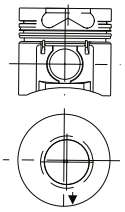


Combustion Bowl 40.00

Ø 91.00 mm.
91P02

Cyl 55.13
4 -19.25
86.00

CSY

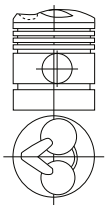


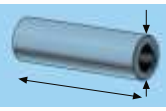
Combustion Bowl 44.00

Ø 95.00 mm.
95P05

Cyl. 59.00
1/2/3/4/6 +11.70
125.70

ESP
TÇP





26.00
65.00

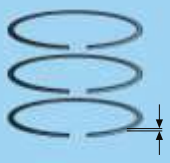


30.00
68.00

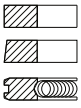


35.00
80.00

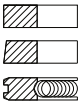




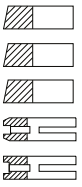
2.00
2.00
3.00



3.00
2.50
3.50

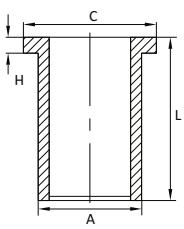


2.50
2.50
2.50
5.00
5.00

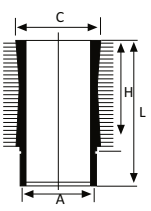




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L = 180.50
H = 4.56



A = 105.00
C = 115.00
L = 217.60
H = 133.00

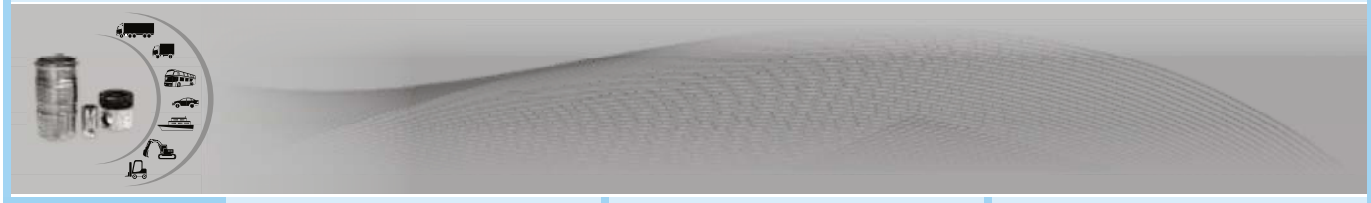




P 465 230 Std.
L 465 230
PR 465 230
K 465 230

P 465 235
PR 465 235

P 465 100 Std.
P 465 100 0.50
P 465 100 1.00
L 465 100
PR 465 100
K 465 100





Diesel Motor F 2 L 812 **04**
1700 ccm, 17-22 kW, (23-30 PS),
Diesel Motor F 3 L 812
2550 ccm, 25.7-29.4 kW, (35-40 PS),
Diesel Motor F 4 L 812
3400 ccm, 33-38 kW, (45-52 PS),
Diesel Motor F 6 L 812
5100 ccm, 66-73.5 kW, (90-100 PS),19:1
Vehicle Sirius 90, 100, D 8005, 1963-1967

Motor F 1 L 812 **05**
850 ccm, 9 kW, (13.5 kW PS),
Vehicle Tractor D 15
Motor F 2 L 812
1700 ccm, 14.5-20.5 kW, (20-28 PS)
Vehicle Tractor D 2505, D 3005, D 30
Motor F 3 L 812
2550 ccm, 25.5-29 kW, (35-40 PS)
Vehicle Tractor D 4005, D 4505, D 40
Motor F 6 L 812
5100 ccm, 55-73.5 kW,
(75-100 PS), 19:1
Vehicle Tractor D 8005, D 9005,
1963-1967

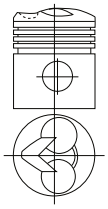
Diesel Motor F 1 L 812, **06**
850 ccm, 9,5 kW, (13 PS), 20:1
Diesel Motor F 2 L 812,
1700 ccm, 19 kW, (26 PS), 20:1
Diesel Motor F 3 L 812,
2550 ccm, 34 kW, (46,5 PS), 20:1
Diesel Motor F 4 L 812,
3400 ccm, 45.5 kW, (62 PS), 20:1
Diesel Motor F 6 L 812,
5100 ccm, 68.5 kW, (93 PS), 20:1
Vehicle D 4005, D 5005, D 6005, D 8005,70 D 6, M 70, D 75 D 6, 80 D 6,80 D 7, 80 D 8, 90 D 7, 90 D 8,90 D 9, 100 D 7, 100 D 8, 100 D 9,100 D 10, 100 D 11



Ø 95.00 mm.
95P06

Cyl. 59.00
2/3/4/6 +11.70
125.70

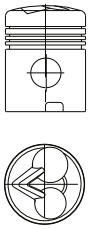
TÇP



Ø 95.00 mm.
95P07

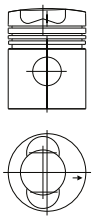
Cyl. 68.00
1/2/3/4/6 +11.70
125.70

YPO
TÇP

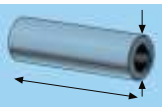


Ø 95.00 mm.
95P08

Cyl 72.45
1/2/3/4/6 +3.70
-13.60
122.20



Combustion Bowl 55.00



35.00
80.00

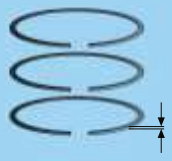


35.00
80.00

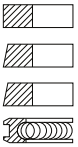


35.00
80.00

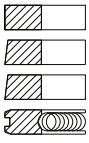




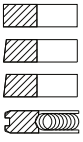
2.50 Cr
2.50
2.50
5.00



2.50
2.50
2.50
5.00

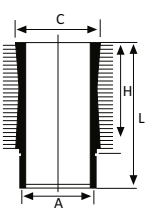


2.50
2.50
2.50
5.00

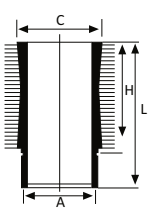




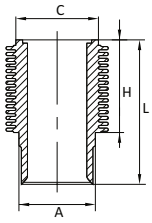
A = 105.00
C = 115.00
L = 217.60
H = 132.60



A = 105.00
C = 115.00
L = 217.60
H = 132.60



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L = 223.00
H = 138.00

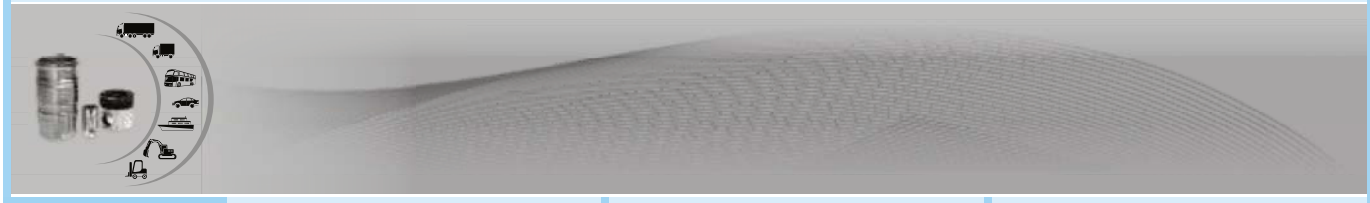




P 465 105 Std.
P 465 105 0.50
P 465 105 1.00
L 465 105
PR 465 105
K 465 105

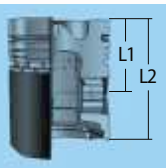
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P 465 110 0.50
P 465 110 1.00
L 465 110
PR 465 110
K 465 110

P 465 190 Std.
P 465 190 0.50
P 465 190 1.00
L 465 190
PR 465 190
K 465 190





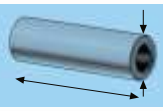
07	08	09
Motor F 1 L 511 D 825 ccm, 13 kW, (17.5 PS), **Motor F 2 L 511 D** 1650 ccm, 25.5 kW, (35 PS), 1978-	**Motor F 2 L 912 D** 1884 ccm, 21-28 kW, (29-38 PS), 17:1 **Vehicle** Tractor D 2506, D 2807, D 3006, D 3607, DX 36 **Motor F 3 L 912 D** 2826 ccm, 26-43 kW, (35-58.5 PS), 17:1 **Vehicle** Tractor D 4006, D 4007, D 4505, D 4506, D 4507, D 4807, D 5006, D 5206, D 5207, DX 3.10, DX 3.20, DX 3.30, DX 50, DX 55, Intrac 2002, **Motor F 4 L 912 D** 3768 ccm, 43-59 kW, (58.5-80 PS), 17:1 **Vehicle** Tractor D 4006, D 5006, D 5506, D 6006, D 6206, D 6207, D 6507, D 6806, D 6807, D 7006, D 7007, D 7206, D 7207, DX 3.70, DX 4.10, Intrac 2003-2004,75 D,80 D **Motor F 5 L 912 D** 4712 ccm, 59-74 kW, (80-100.5 PS), 20:1 **Vehicle** Tractor DX 85, DX 90 **Motor F 6 L 912 D** 5652 ccm, 59-82 kW, (80-112 PS), 17:1 **Vehicle** Tractor D 7506, D 8006, D 9006, D 9009,D 10006, DX 110, 120 D, DX 6.10, 900, Intrac 2005, 1967	dto., 3 Ring



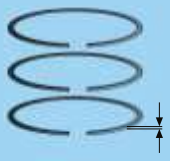




Ø 100.00 mm. 100P25	Ø 100.00 mm. 100P26	Ø 100.00 mm. 100P27
Cyl. 1/2	Cyl. 2/3/4/5/6	Cyl. 2/3/4/56
56.75 +5.70 -21.44 95.95	71.90 +5.70 -21.40 123.60	71.90 +5.70 -21.40 123.60
PSP	YPO	YPO
Combustion Bowl 50.00	Combustion Bowl 55.00	Combustion Bowl 55.00



35.00 75.00	35.00 80.00	35.00 80.00



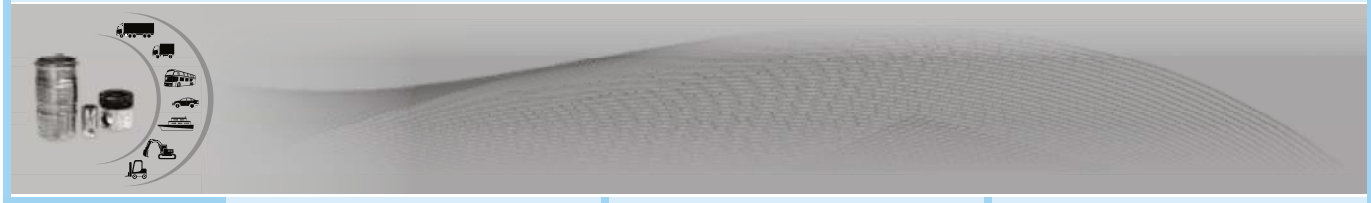
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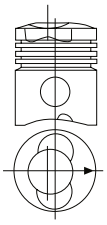
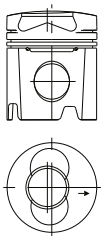
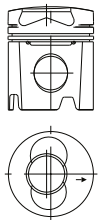
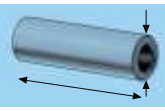
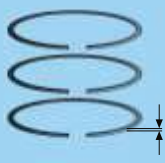
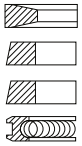
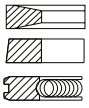
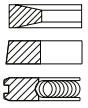
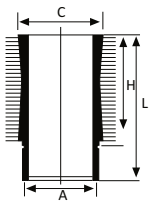
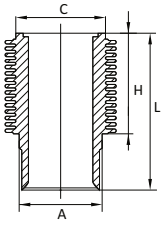
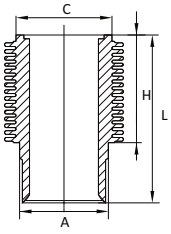
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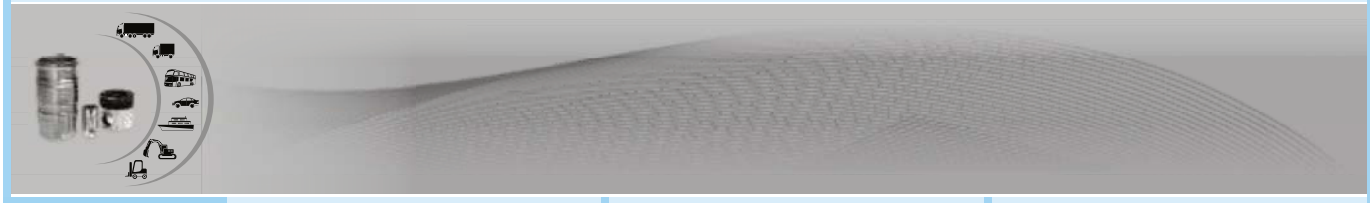


P 465 115 Std. P 465 115 0.50 P 465 115. 1.00 L 465 115 PR 465 115 K 465 115	P 465 120 Std. P 465 120 0.50 P 465 120 1.00 L 465 120 PR 465 120 K 465 120	P 465 125 Std. P 465 125 0.50 P 465 125 1.00 L 465 125 PR 465 125 K 465 125





	Motor BF 6 L 912 **10** 5640 ccm, 100 kW, (136 PS) 15.5:1 **Vehicle** Tractor D 8006, D 10006, 1971-	**Diesel Motor F 4 L 912 D** **11** 3770 ccm, 19/20:1 **Diesel Motor F 6 L 912 D** 5655 ccm, 19/20:1 **Vehicle** 1996	**Diesel Motor F 4 L 912 D** **12** 3770 ccm, 19/20:1 **Diesel Motor F 6 L 912 D** 5655 ccm, 19/20:1 **Vehicle** 1996
	**Ø 100.00 mm.** 100P28 Cyl. 71.80 6 +5.70 -21.40 123.60 YPO  Combustion Bowl 58.00	**Ø 100.00 mm.** 100P29 Cyl 71.80 4/6 +5.80 -17.16 123.60 YPO KMP  Combustion Bowl 45.00	**Ø 100.00 mm.** 100P30 Cyl 71.80 4/6 +5.80 -17.68 123.60 YPO KMP  Combustion Bowl 46.00
	40.00 80.00 	35.00 80.00 	35.00 80.00 
	3.00 Mo 2.50 2.50 5.00 Cr 	2.94 2.00 3.00 	2.94 2.00 3.00 
	A = 110.00 C = 120.00 L = 222.30 H = 137.00 	A = 110.00 C = 120.00 L = 222.30 H = 136.80 	A = 110.00 C = 120.00 L = 222.30 H = 136.80 
	P 465 130 Std. P 465 130 0.50 L 465 130 PR 465 130 K 465 130	P 465 240 Std. P 465 240 0.50 L 465 240 PR 465 240 K 465 240	P 465 245 Std. P 465 245 0.50 L 465 245 PR 465 245 K 465 245





Motor **13**
1884 ccm,18-25 kW,(24-34 PS),17:1
2826 ccm,26-44 kW,(35-60 PS),17:1
3770 ccm,19-59 kW,(20-80 PS),17:1
4712 ccm,40-78 kW, (54-106PS), 17:1
5655 ccm,42-92 kW, (57-125PS), 17:1
Vehicle F2-3-4-5-6 L912D

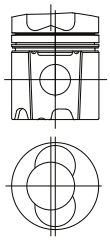
Motor F 3 L 913 **14**
3060 ccm, 42-45 kW, (57-61 PS), 17:1
Vehicle Tractor DX 3.50, D 6007,
Motor F 4 L 913
4086 ccm, 55-64 kW, (75-87 PS), 17:1
Vehicle Tractor D 7807, DX 3.90, DX 4.30, DX 80, Baureihe 90
Motor F 6 L 913
6128 ccm, 81-96 kW, (110-130 PS), 17:1
Vehicle Tractor DX 6.30, DX 120, Baureihe 120, 130, 1976-

Motor BF 4 L 913 **15**
4086 ccm, 78 kW, (106 PS), 15.5:1
Motor BF 6 L 913
6128 ccm, 97-117.5 kW, (132-160 PS), 15.5:1
Vehicle Tractor 13006, DX 145, DX 160, 1973-



Ø100.00 mm.
100P31

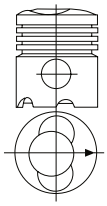
Cyl	71.90
2 / 3 / 4 / 5 / 6	-21.40
	+5.70
	123.60
YPO	



Combustion Bowl 55.0

Ø 102.00 mm.
102P24

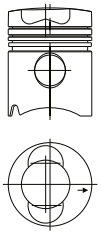
Cyl.	69.10
3/4/6	+6.00
	-16.60
	123.60
CSY	
YPO	



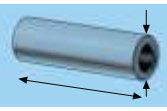
Combustion Bowl 56.00

Ø 102.00 mm.
102P25

Cyl.	69.10
4/6	+6.00
	-20.50
	123.60
CSY	
YPO	



Combustion Bowl 58.00



35.00
80.00

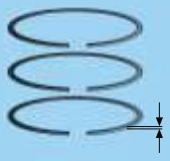


35.00
80.00

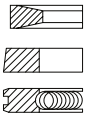


40.00
80.00

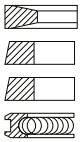




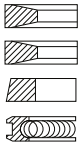
2.94
2.00
3.50



3.00 Mo
2.50 Cr
2.50
5.00 Cr

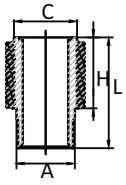


3.00 Mo
3.00 Cr
2.50
5.00 Cr

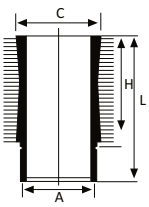




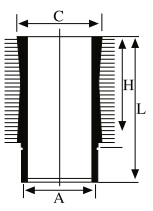
A = 110.00
C = 120.00
L = 222.30
H = 136.80



A = 110.00
C = 120.00
L = 222.30
H = 137.00



A = 110.00
C = 120.00
L = 222.30
H = 137.00

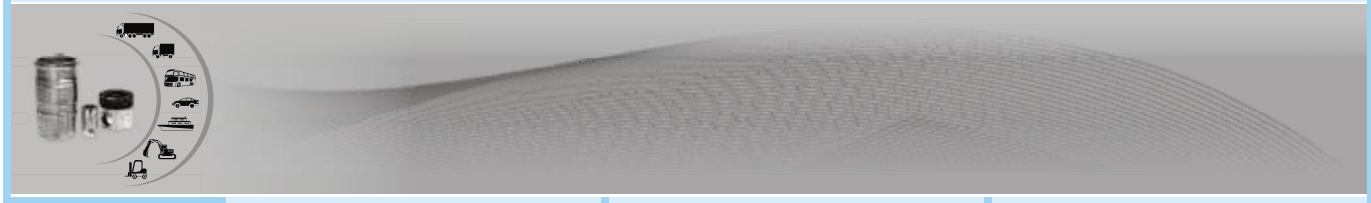




P 465 275 Std.
P 465 275 0.50
L 465 276
PR 465 275
K 465 275

P 465 135 Std.
P 465 135 0.50
L 465 135
PR 465 135
K 465 135

P 465 170 Std.
P 465 170 0.50
L 465 170
PR 465 170
K 465 170





Diesel Motor F 3 L 913, **16**
3060 ccm, 42/45 kW (57/61 PS), 17:1;
Vehicle Tractor DX 3.50, D 6007
Diesel Motor F 4 L 913,
4086 ccm 55/64 kW (75/87 PS), 17:1;
Vehicle Tractor D7807, DX 3.90, DX 80
Diesel Motor F 6 L 913,
6128 ccm 87/96 kW (110/130 PS), 17:1;
125 mm Hub
Vehicle Tractor DX 6.30, DX 120, 1976-

Diesel Motor F 6 L 913 D **17**
6128 ccm, 81 - 96 kW,
(110 - 132 PS), 17:1
Vehicle D 7807 , DX 120 , DX 3.50 ,
DX 3.90 DX 6.30 1976 -

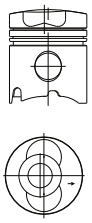
Diesel Motor BF 4 L 913 T **18**
4086 ccm, 60-78 kW,
(82-106 PS), 15,5:1
Vehicle DX 4.50, DX 86 1979 - 1996
Diesel Motor BF 6 L 913 T
6128 ccm, 95.5- 99 kW,
(130-135 PS), 15,5:1
Vehicle Einbaumotor 1979 - 1996



Ø 102.00 mm.
102P26

Cyl. 69.10
3/4/6 +6.00
-16.60
123.60

CSY
YPO

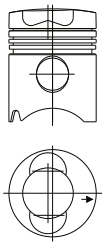


Combustion Bowl 56.00

Ø 102.00 mm.
102P27

Cyl 69.10
6 +6.00
-16.60
123.60

CSY
SKP
YPO

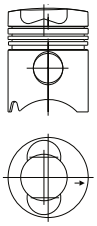


Combustion Bowl 56.00

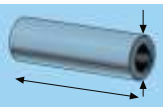
Ø 102.00 mm.
102P28

Cyl 69.10
4/6 +6.00
-20.50
123.60

CSY
SKP
YPO



Combustion Bowl 58.00



35.00
80.00

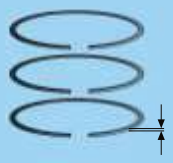


35.00
80.00

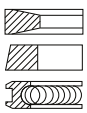


35.00
80.00

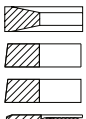




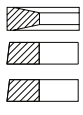
3.00 Mo
2.50
5.00 Cr



3.00
2.50
2.50
5.00

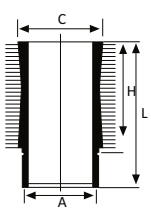


3.00
2.50
2.50
5.00

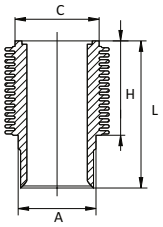




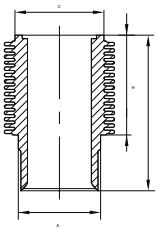
A = 110.00
C = 120.00
L = 222.30
H = 137.00



A = 110.00
C = 120.00
L = 222.50
H = 136.80



A = 110.00
C = 120.00
L = 222.50
H = 136.80

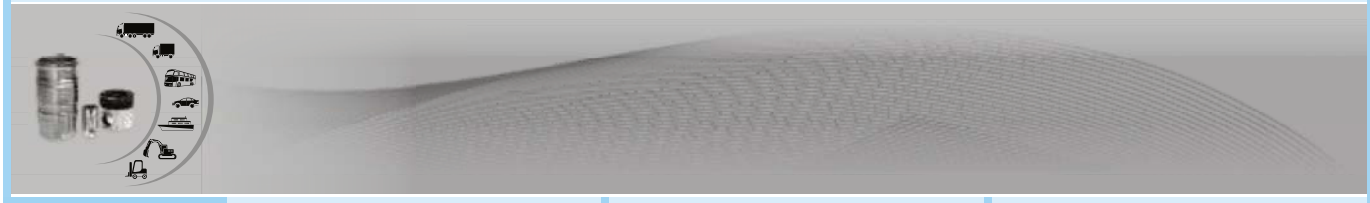




P 465 185 Std.
P 465 185 0.50
L 465 185
PR 465 185
K 465 185

P 465 195 Std.
P 465 195 0.50
L 465 195
PR 465 195
K 465 195

P 465 196 Std.
P 465 196 0.50
L 465 196
PR 465 196
K 465 196





Motor BF 4 L 913 **19**
4086 ccm, 55-81 kW, (75-111 PS), 15.5/17:1
Vehicle DX 4.50 1986 -
Motor BF 4 L 913 T
4086 ccm, 55-78 kW, (75-106 PS),15.5:1
Vehicle 1989 -
Motor BF 6 L 913
6128 ccm,70-140 kW,(95-191 PS),15.5:1
Vehicle M 3610 ,1987 -, M 2685 1980-1987
Motor BF 6 L 913 C
6128 ccm, 118-164 kW, (160-223 PS), 15.5:1
Vehicle M 3630 , M 3610 1987
Motor BF 6 L 913 T
6128 ccm,85-112 kW,(115-152 PS), 15.5:1
Vehicle DX 6.31 **1990 -**

Motor BF 4 L 913 **20**
4086 ccm, 55-81 kW, (75-111 PS), 15.5/17:1
Vehicle DX 4.50 1986 -
Motor BF 4 L 913 T
4086 ccm, 55-78 kW,(75-106 PS), 15.5:1
Vehicle 1989 -
Motor BF 6 L 913
6128 ccm,70-140 kW,(95-191 PS),15.5:1
Vehicle M 3610 ,1987 -, M 2685 1980-1987
Motor BF 6 L 913 C
6128 ccm,118-164 kW,(160-223 PS), 15.5:1
Vehicle M 3630 , M 3610 1987
Motor BF 6 L 913 T
6128 ccm, 85-112 kW, (115-152 PS), 15.5:1
Vehicle DX 6.31 **1990 -**

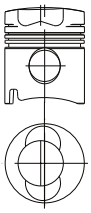
Motor BF 4 L 913 **21**
4086 ccm, 78 kW, (106 PS), 15.5:1
Motor BF 6 L 913
6128 ccm, 97-117.5 kW, (132-160 PS), 15.5:1
Vehicle Tractor 13006, DX 145, DX 160, 1973-



Ø 102.00 mm.
102P29

Cyl 69.10
4/6 +6.00
-17.60
123.60

CSY
SKP
YPO

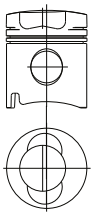


Combustion Bowl 58.00

Ø 102.00 mm.
102P30

Cyl 69.10
4/6 +6.00
-17.60
123.60

CSY
SKP

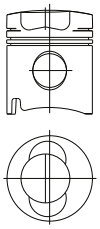


Combustion Bowl 58.15

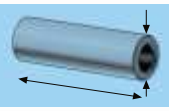
Ø 102.00 mm.
102P31

Cyl. 69.10
4/6 +6.00
-20.50
123.60

CSY
YPO



Combustion Bowl 58.00



40.00
80.00

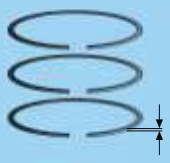


40.00
80.00

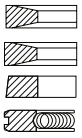


40.00
80.00

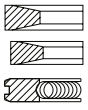




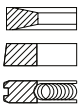
2.94
3.00
2.50
5.00



2.94
3.00
5.00



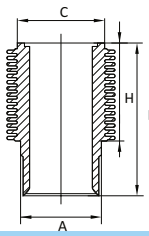
3.00
2.50
5.00





A = 109.90
C = 124.50
L = 220.40
H = 134.90

A = 109.90
C = 124.50
L = 220.40
H = 135.40

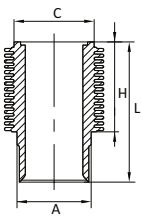


A = 110.00
C = 120.00
L = 222.30
H = 136.80

A = 110.00
C = 120.00
L = 222.30
H = 137.30

A = 109.90
C = 124.50
L = 220.40
H = 134.90

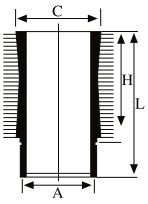
A = 109.90
C = 124.50
L = 220.40
H = 135.40



A = 110.00
C = 120.00
L = 222.30
H = 136.80

A = 110.00
C = 120.00
L = 222.30
H = 137.30

A = 110.00
C = 120.00
L = 222.30
H = 137.00





P 465 200 Std.
P 465 200 0.50
L 465 200
L 465 201
PR 465 200
K 465 200

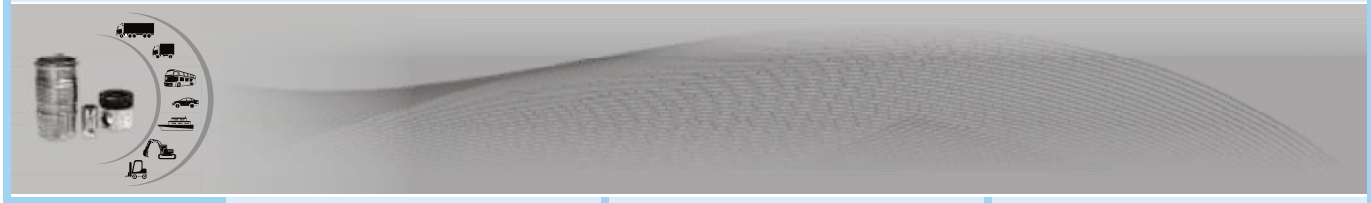
L 465 202
L 465 203

P 465 205 Std.
P 465 205 0.50
L 465 205
L 465 206
PR 465 205
K 465 205

L 465 207
L 465 208

P 465 210 Std.
L 465 210
PR 465 210
K 465 210

K
KHD





Diesel Motor F 3 L 913/MD/H **22**
3060 ccm, 42-45 kW, (57-61 PS), 17:1
Vehicle Tractor DX 3.50,D 6007Diesel
Motor F 4 L 913/MD/H
4086 ccm, 55-64 kW, (75-87 PS), 17:1
Vehicle Tractor DXY 80/3.90,D7807
Diesel Motor F 6 L 913/MD/H
6128 ccm, 81-96 kW, (110-130 PS), 17:1
Vehicle DX 3.50/3.90/6.30, D 7807
DX 120,1976

Diesel Motor F 4 L 913 4086 ccm, **23**
78 kW, (106 PS), 15,5:1
Diesel Motor BF 6 L 913 6128 ccm,
107 kW, (145 PS), 15,5:1
Vehicle 1989

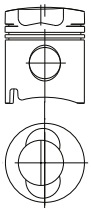
Motor BF 4 L 913 **24**
4086 ccm,55-81 kW,(75-111 PS),
15.5/17:1
Vehicle DX 4.50 1986 -
Motor BF 4 L 913 T
4086 ccm, 55-78 kW, (75-106 PS),15.5:1
Vehicle 1989 -
Motor BF 6 L 913
6128 ccm, 70-140 kW, (95-191 PS),
15.5:1
Vehicle M 3610 ,1987 -, M 2685
1980-1987
Motor BF 6 L 913 C
6128 ccm, 118-164 kW, (160-223 PS),
15.5:1
Vehicle M 3630 , M 3610 1987
Motor BF 6 L 913 T
6128 ccm,85-112 kW,(115-152 PS),
15.5:1
Vehicle DX 6.31 **1990 -**



Ø 102.00 mm.
102P32

Cyl 69.10
3/4/6 +6.00
-16.60
123.60

CSY
SKP
YPO

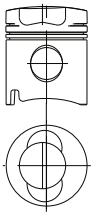


Combustion Bowl 56.00

Ø 102.00 mm.
102P33

Cyl 69.10
4/6 +6.00
-17.60
123.60

CSY
YPO

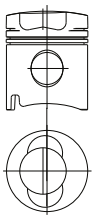


Combustion Bowl 58.50

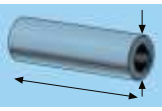
Ø 102.00 mm.
102P34

Cyl 69.10
4/6 +6.00
-17.60
123.60

CSY
SKP
YPO



Combustion Bowl 58.30



35.00
80.00

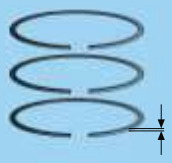


40.00
80.00

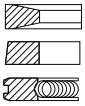


40.00
80.00

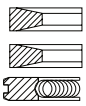




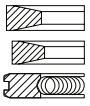
3.00
2.50
5.00



2.94
3.00
3.50

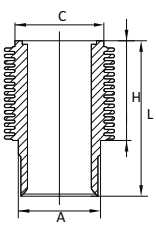


3.00
3.00
3.50



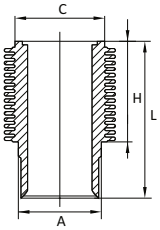


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C = 120.00
L = 222.50
H = 136.80



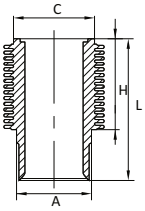
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L = 220.40
H = 135.40

A = 109.90
C = 124.50
L = 220.40
H = 134.90



A = 109.90
C = 124.50
L = 220.40
H = 134.90

A = 109.90
C = 124.50
L = 220.40
H = 135.40



A = 110.00
C = 120.00
L = 222.30
H = 136.80

A = 110.00
C = 120.00
L = 222.30
H = 137.30

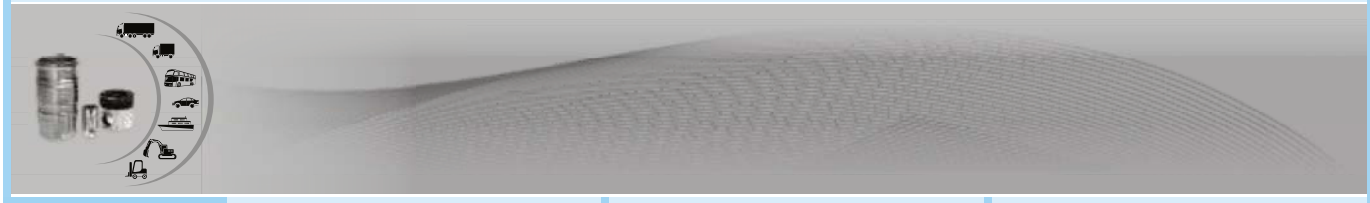


P 465 215 Std.
P 465 215 0.50
L 465 215
PR 465 215
K 465 215

P 465 220 Std.
P 465 220 0.50
L 465 220
L 465 221
PR 465 220
K 465 220

P 465 250 Std.
P 465 250 0.50
L 465 250
L 465 251
PR 465 250
K 465 250

L 465 252
L 465 253

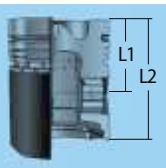




25

Motorteil FL 514/614 **26**
1957-1966

Motor F 6 L 613 **27**
7412 ccm, 88 kW, (120 PS),
19:1 1959-65

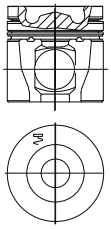






Ø108.00 mm.
108P06

Cyl 70.85
-19.60
107.80

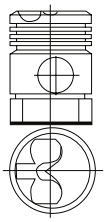


CSY
SKP
KMP
YPO

Combustion Bowl 64.70

Ø 110.00 mm.
110P06

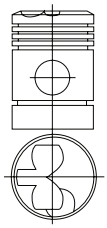
Cyl. 87.00
1/2/3/4/ -0.55
5/6/7/8/ -10.50
9/10/11/12 154.00



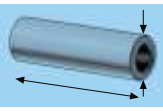
PSP
ESP

Ø 110.00 mm.
110P07

Cyl. 92.00
6 -0.30
-8.70
159.00



PSP
ESP



45.00
86.00

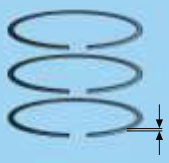


40.00
93.00

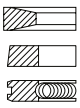


40.00
93.00

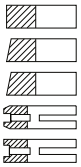




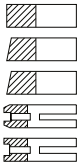
3.10
2.00
3.50



3.00
3.00
3.00
6.00
6.00

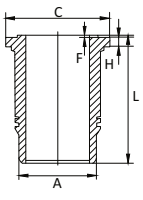


3.00 Cr
3.00
3.00
6.00
6.00

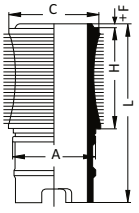




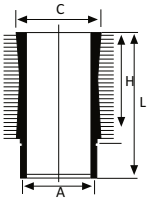
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L = 229.10
H = 9.00
F = 1.10



A = 130.00
C = 140.00
L = 274.50
H + F=162.4+7.1



A = 130.00
C = 140.00
L = 272.00
H = 167.10

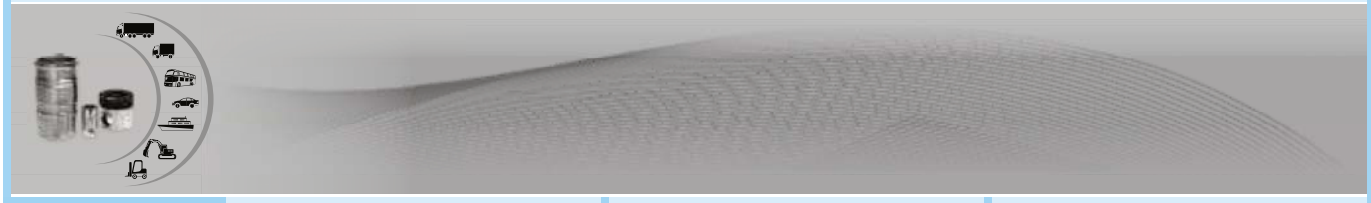




P 465 270 Std.
L 465 270
PR 465 270
K 465 270

P 465 140 Std.
P 465 140 0.50
P 465 140 1.00
P 465 140 1.50
L 465 140
PR 465 140
K 465 140

P 465 145 Std.
P 465 145 0.50
P 465 145 1.00
P 465 145 1.50
L 465 145
PR 465 145
K 465 145





Motor F 1 L 514 D **28**
1330 ccm, 13 kW, (18 PS),
Motor F/A 2L 514 D
2260 ccm, 26.5 kW, (36 PS),
Motor F/A 3L 514 D
3990 ccm, 39.5 kW, (54 PS),
Motor F/A 4L 514 D
5322 ccm, 53 kW, (72 PS),
Motor F/A 6L 514-614. D
7980 ccm, 81 kW, (110 PS),
Motor F/A 8L 614 D
10640 ccm, 108 kW, (147 PS),
Motor A 12L 614 D
15960 ccm, 162 kW, (220 PS), 1948-1957-

Motor F-A 6 L 714 **29**
9500 ccm, 106.6 kW, (145 PS),19:1
Motor F-A 8 L 714
12667 ccm, 143.4 kW, (195 PS),19.2:1
Motor F-A 10 L 714
15833 ccm, 173 kW, (235 PS),19:1
Motor F-A 12 L 714
19000 ccm, 213 kW, (290 PS),19:1
1959-1968
Vehicle Saturn 145, S 3500, Pluto 201, 150, 200, S 3500, Merkur S 3500, Jupiter S 3500, A 5500, 7500, D 145, 150 D, 156 D, 195, 200 D, 210 D, 1959-

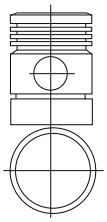
Motor F 6 L 413 **30**
8478 ccm, 120-129.5 kW, (163-176 PS),
Vehicle Baureihe 120, 170
Motor F 8 L 413
11310 ccm, 132.5-170.5 kW, (180-232 PS),
Motor F 10 L 413
14702 ccm, 200-224 kW, (272-305 PS),
Motor F 12 L 413
16965 ccm, 240-250 kW, (326-340 PS), 18:1



Ø 110.00 mm.
110P08

Cyl. 87.00
1/2/3/4/6/ 154.00
8/12

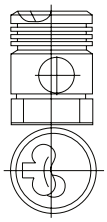
PSP
ESP



Ø 120.00 mm.
120P07

Cyl. 87.00
6/8/10/12 -0.30
-13.00
154.00

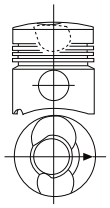
PSP
ESP

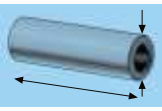


Ø 120.00 mm.
120P08

Cyl. 90.16
6/8/10/12 +5.09
44.55
145.25

CSY
YPO





40.00
93.00

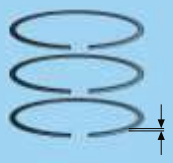


45.00
102.00

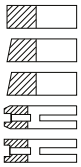


45.00
96.00

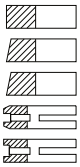




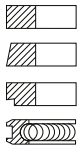
3.00 Cr
3.00
3.00
6.00
6.00



3.00 Cr
3.00
3.00
6.00
6.00

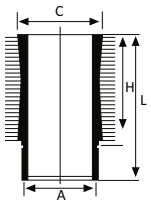


3.00 Mo
3.00
3.00
6.00

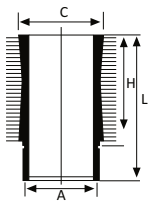




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C = 150.00
L = 272.20
H = 167.00



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C = 145.00
L = 255.10
H = 170.00

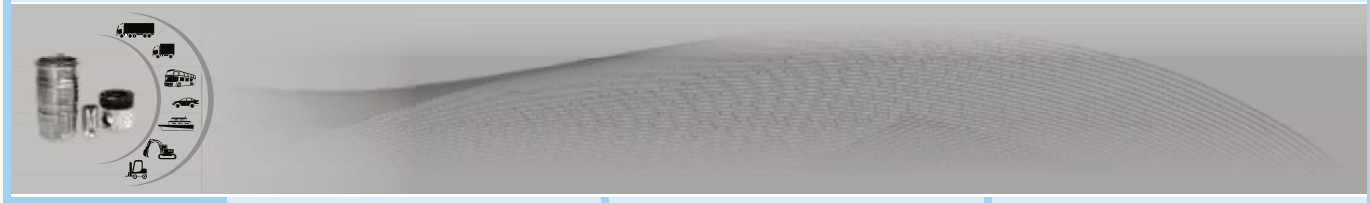




P 465 150 Std.
PR 465 150

P 465 155 Std.
P 465 155 0.50
P 465 155 1.00
P 465 155 1.50
L 465 155
PR 465 155
K 465 155

P 465 160 Std.
P 465 160 0.50
P 465 160 1.00
L 465 160
PR 465 160
K 465 160





Motor F 8 L 914 **31**
12667 ccm, 169 kW, (230 PS), 18.5:1
Vehicle M 230, D 16-22-26, 1968-

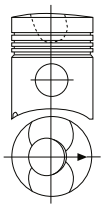
Motor F 6 L 413 L **32**
8820 ccm, 135 kW, (183 PS), 18,5:1
Motor F 8 L 413 L
11760 ccm, 180 kW, (244 PS), 18,5:1
Motor F 10 L 413 L
17640 ccm, 199-224 kW,
(270-305 PS), 18:1
Motor F 12 L 413 L
17640 ccm, 269 kW, (366 PS), 18,5:1
Vehicle 340 D 1971 - 1980

Motor F 5 L 413 FR **33**
7976 ccm, 109-118 kW, (148-160.5 PS),
Motor F 6 L 413 F/FR
9572 ccm, 130-141-134 kW,
(177-182-192 PS),
Vehicle Baureihe 192
Motor F 8 L 413 F
12763 ccm, 171-188 kW,
(245-255.5 PS),
Vehicle Baureihe 230, 256, 260, M
2000 R, N 4510, N 4610
Motor F 10 L 413 F
15945 ccm, 224-235 kW,
(304.5-319.5 PS), 18:1
Vehicle Baureihe 260-310-320
Motor F 12 L 413 F
19144 ccm, 268-282 kW,
(364-383 PS),
18:1 1975-



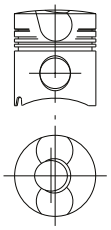
Ø 120.00 mm.
120P09

Cyl.	94.86
8	+5.10
	-46.00
	155.90
CSY	
YPO	



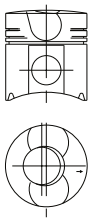
Ø120.00 mm.
120P10

Cyl	87.66
6/8/10/12	+5.09
	-45.65
	140.75
CSY	
YPO	

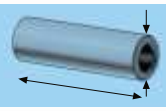


Ø 125.00 mm.
125P05

Cyl.	87.40
5/6/8/	+5.25
10/12	-47.65
	-1.00
	-1.20
	138.65
CSY	
YPO	



Combustion Bowl 48.00



45.00
102.00

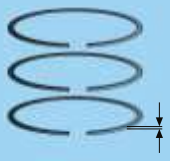


45.00
102.00

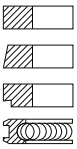


45.00
102.00

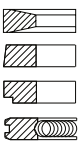




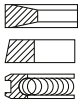
3.00 Mo
3.00
3.00
6.00



3.50
3.00
3.00
6.00

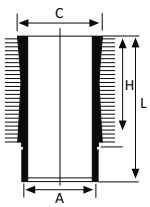


3.00 Mo
2.50
4.00 Cr

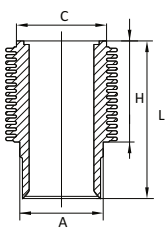




A = 134.00
C = 145.00
L = 270.40
H = 160.20

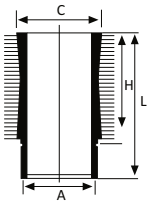


A = 134.00
C = 145.00
L = 255.10
H = 169.90



A = 139.00
C = 150.00
L = 250.70
H = 170.00

A = 139.00
C = 154.00
L = 250.50
H = 170.00



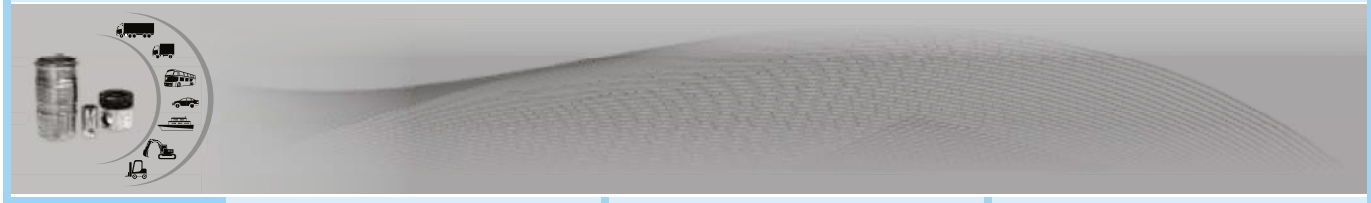


P 465 175 Std.
P 465 175 0.50
P 465 175 1.00
L 465 175
PR 465 175
K 465 175

P 465 225 Std.
P 465 225 0.50
L 465 225
PR 465 225
K 465 225

P 465 165 Std.
P 465 165 0.50
P 465 165 1.00
L 465 165
PR 465 165
K 465 165

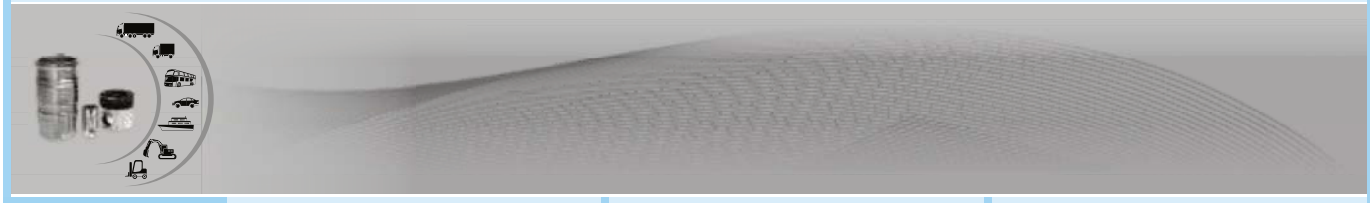
L 465 166





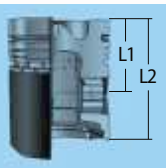
Motor BF 6 L 413 F/FR/FRT,
9572 ccm, 112-167-177 kW,
(152-227-240 PS), 16.5:1
Motor BF 8 L 413 F
12763 ccm, 222-235 kW,
(302-320 PS), 16.5:1
Motor BF 10 L 413 F
15945 ccm, 278-294 kW,
(378-400 PS), 16.5:1
Motor BF 12 L 413 F
19144 ccm, 335-350 kW,
(455-480 PS), 16.5:1
1975-1983

34	35	36
Ø 125.00 mm. 125P06	**Ø125.00 mm.** 125P07	**Ø125.00 mm.** 125P08
Cyl. 6/8/10/12 87.40 +5.25 -23.85 138.65	Cyl 87.40 -23.85 +5.25 133.40	Cyl 87.40 -23.85 +5.25 133.40
CSY SKP YPO	CSY YPO SKP	CSY YPO SKP
Combustion Bowl 74.00	Combustion Bowl 74.00	Combustion Bowl 66.00
45.00 107.00	45.00 107.00	45.00 107.00
3.00 Mo 2.50 4.00 Cr	3.00 2.50 4.00	3.00 2.50 4.00
A = 139.00 C = 150.00 L = 250.70 H = 170.00 A = 139.00 C = 154.00 L = 250.50 H = 170.00	A = 139.00 C = 150.00 L = 250.70 H = 170.00 A = 139.00 C = 154.00 L = 250.50 H = 170.00	A = 139.00 C = 150.00 L = 250.70 H = 170.00 A = 139.00 C = 154.00 L = 250.50 H = 170.00
P 465 180 Std. P 465 180 0.50 P 465 180 1.00 L 465 180 PR 465 180 K 465 180 L 465 181	P 465 260 Std. L 465 260 PR 465 260 K 465 260	P 465 265 Std. L 465 265 PR 465 265 K 465 265





Motor BF 6 M 1015 Euro 1 **37**
11910 ccm, 187-250 kW,
(255-340 PS), 17:1
Vehicle 01.1990 -
Motor BF 6 M 1015 C Euro 2
11910 ccm, 228-341 kW,
(310-464 PS), 17:1
Vehicle 12.1993 -
Motor BF 6 M 1015 C Euro 2
15870 ccm, 304-454 kW,
(414-617 PS), 17:1
Vehicle 12.1993 -





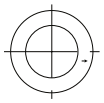


Ø 132.00 mm.
132P01

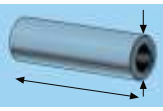
Cyl	86.80
6/8	-18.77
	133.80



CSY
YPO

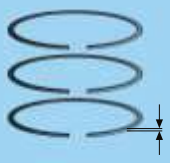


Combustion Bowl 84.00

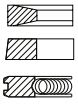


52.00
110.00



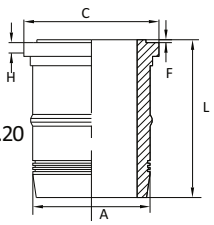


3.50
2.45
4.00



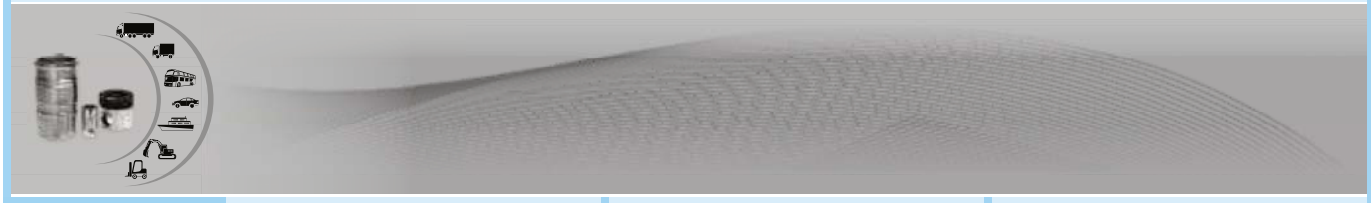


A = 147.00
C = 158.00
L = 268.50
H + F=9.00 + 1.20

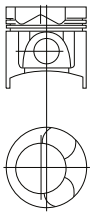
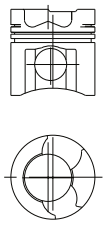
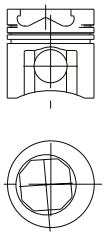
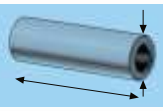
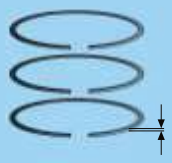
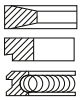
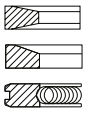
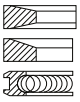
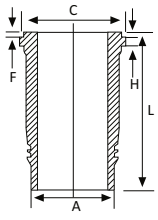


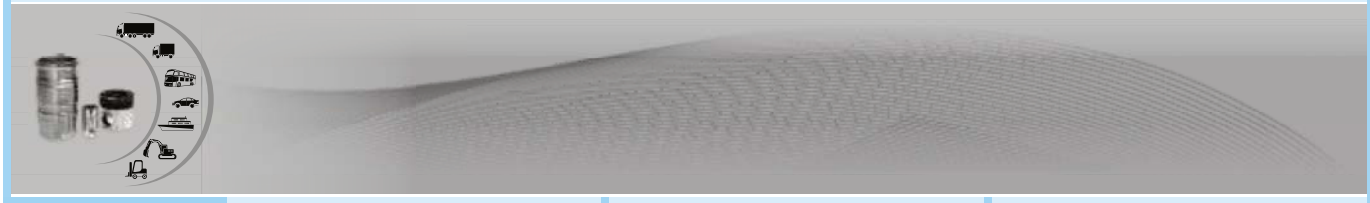


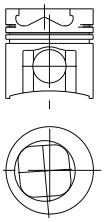
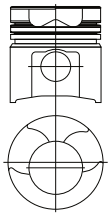
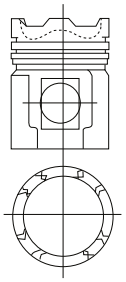
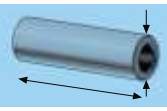
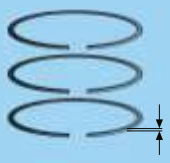
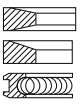
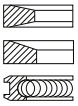
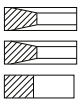
P 465 255 Std.
L 465 255
PR 465 255
K 465 255

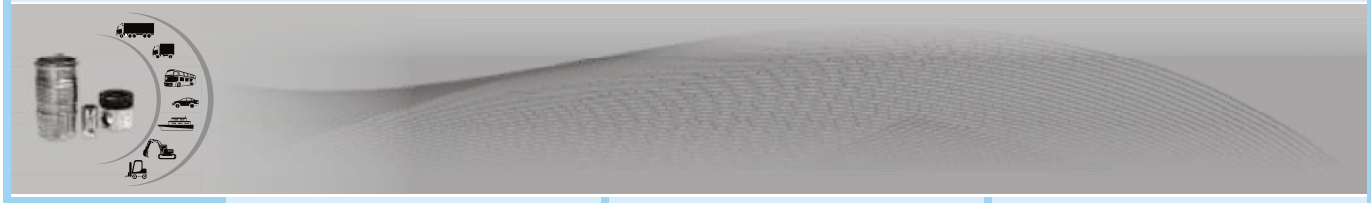




	01	02	03
	Motor **Vehicle** PW 150	**Motor 6d105.2** 6490 ccm, **Vehicle** Generalor EG 75, Power Shovels, PC 200/220, 1979-1985	**Motor 4 D 105.1** 3980 ccm, **Motor 6 D 105.1** 6490 ccm, **Vehicle** Power shovels PC 200/PC 220 GeneratorE 675, Bulldozer D41 A Q-3, D 41 S Q-3, Grader GD 200 A-1, GD 300 A-1, Wheel loader WA 200-1
	**Ø 95.00 mm.** 95P09 Cyl. 51.50 4 -19.50 -0.77 94.40 PSP KMP 	**Ø 105.00 mm.** 105P03 Cyl. 69.00 6 -22.20 +1.70 +1.70 107.65 CSY KMP  Combustion Bowl 59.00	**Ø 105.00 mm.** 105P04 Cyl. 69.15 4/6 -22.00 107.65 CSY KMP 
	32.00 73.80 	40.00 85.50 	40.00 85.50 
	2.50 Cr 2.175 Cr 4.00 	3.00 2.50 5.00 	3.00 2.50 5.00 
		A = 120.00 C = 127.00 L = 223.00 H + F=10+1 	
	P 470 120 Std. L 470 120 PR 470 120	P 470 100 Std. L 470 100 PR 470 100 K 470 100	P 470 125 Std. PR 470 125



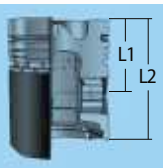
	dto., 04	Diesel Motor 60330320 05	Motor 6 D 155 A D. 06 19260 ccm, 6127-31-2030-6127-31-2040
			
	**Ø 110.00 mm.** 110P09 Cyl. 69.15 4/6 -20.40 116.05 CSY KMP 	**Ø 110.00 mm.** 110P10 Cyl. 69.20 4/6 -22.00 -1.70 -2.60 116.20 CSY KMP 	**Ø 155.00 mm.** 155P01 Cyl. 102.50 6 -15.80 -7.50 167.50 CSY 
	40.00 90.80 	40.00 90.60 	60.00 130.00 
	3.00 2.50 5.00 	3.00 2.50 5.00 	3.68 Cr 3.50 Cr 4.747 Cr 
			
	P 470 130 Std. PR 470 130	P 470 135 Std. PR 470 135	P 470 105 Std. PR 470 105





Motor D 355 **07**
6128-31-2012, 6128-31-2113

Motor 6D 155 A D **08**
19260 ccm, 6128-31-2012,
6128-31-2113

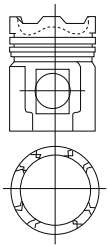






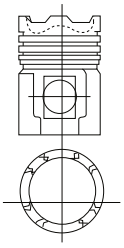
Ø 155.00 mm.
155P03

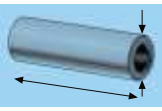
Cyl.	105.00
6	-23.00
	-7.50
	170.00
CSY	



Ø 155.00 mm.
155P02

Cyl.	102.50
6	-15.80
	-7.50
	167.50
CSY	



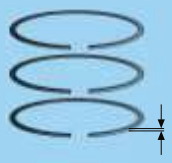


60.00
130.00

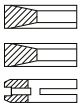


60.00
130.00

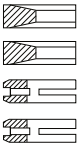




3.68 Cr
3.50 Cr
4.747 Cr



4.00 Cr
3.50 Cr
6.00 Cr
5.00

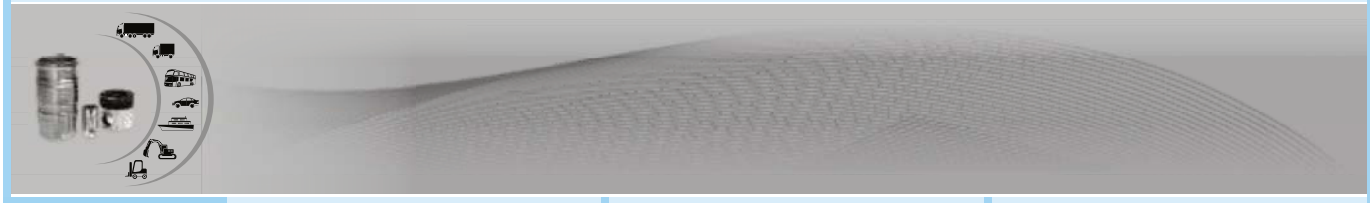






P 470 110 Std.
PR 470 110

P 470 115 Std.
PR 470 115

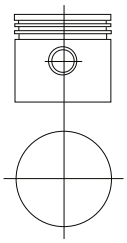


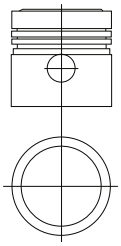


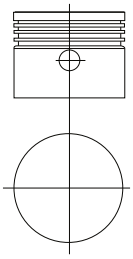
Kompressor	01	Kompressor	02	Kompressor	03

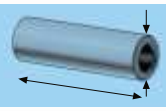


	Ø 75.00 mm.		**Ø 85.00 mm.**		**Ø 185.00 mm.**
	75P04		85P04		185P01
Cyl.	35.00	Cyl.	47.00	Cyl.	82.00
1	65.00	4	80.00	4	145.00







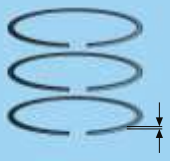


15.00	25.00	35.00
46.00	75.30	135.00

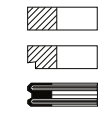


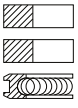


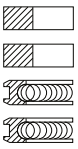




3.00 Cr	3.50	6.00
3.00	3.50	6.00
5.00 Cr	5.00 Cr	8.00
		8.00



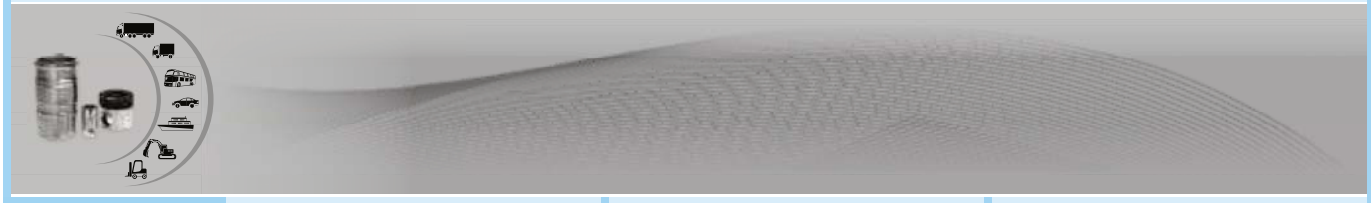








P 472 125 Std.	P 472 105 Std.	P 472 115 Std.
P 472 125 0.50	PR 472 105	PR 472 115
PR 472 125		



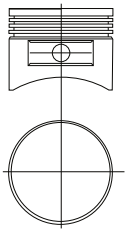
Kompressor **04**

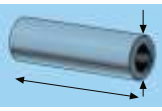




Ø 220.00 mm.
220P01

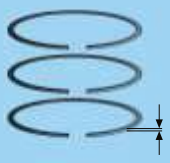
Cyl.	95.00
4	175.00



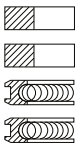


35.00
135.00





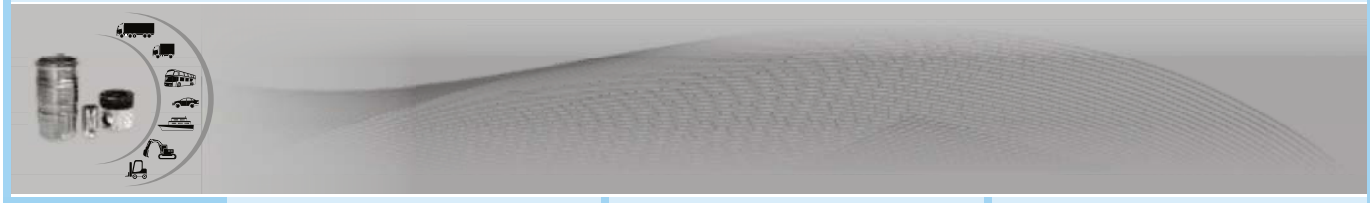
6.00
6.00
8.00
8.00





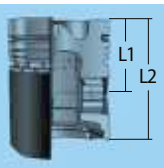


P 472 120 Std.
P 472 120 0.50
P 472 120 1.00
PR 472 120



01



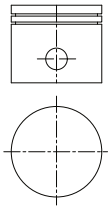


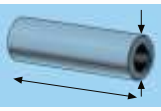
Ø 105.00 mm.
105P05

Cyl	
1	62.50
	90.00



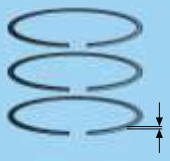






25.00
93.00





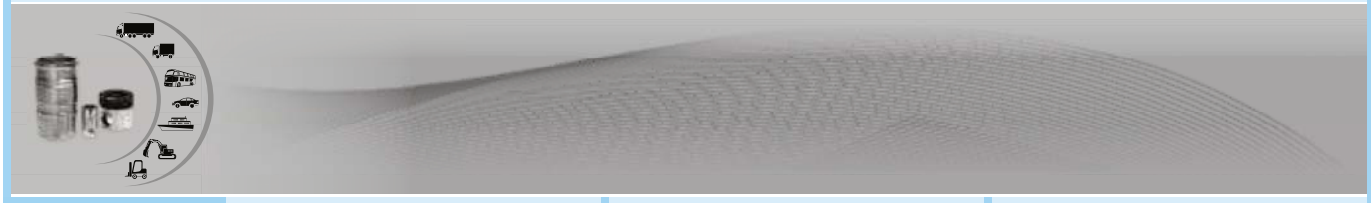
2.50
2.50

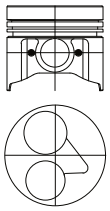
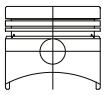
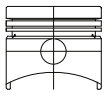
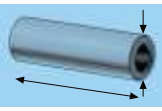
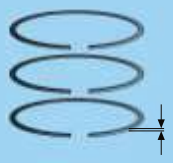
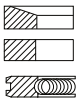
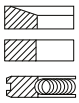
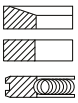






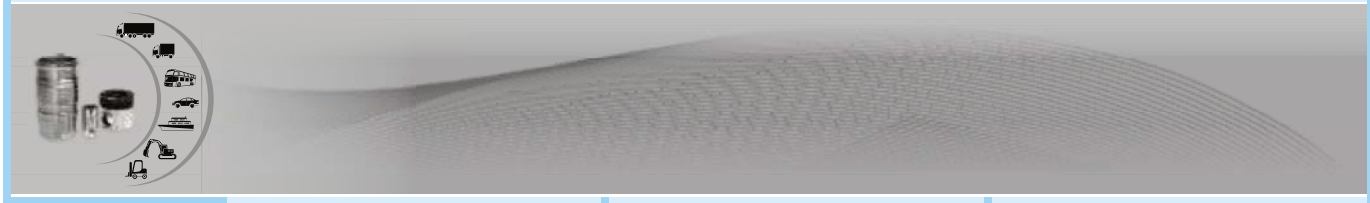
P 720 100 Std.
PR 720 100

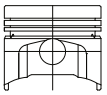
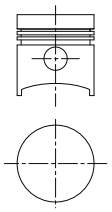
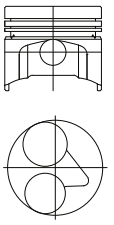
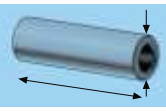
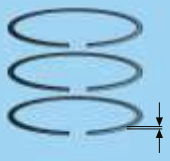
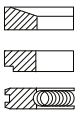
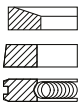
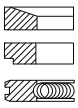


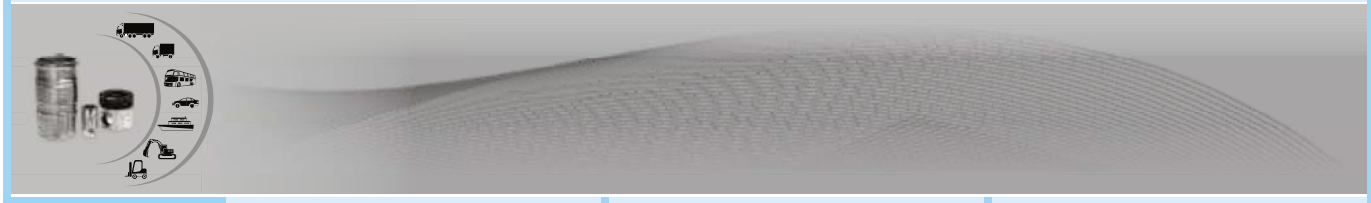
	01	02	03
			
	**Ø67.00 mm.** 67P03 Cyl 32.67 -0.45 -0.83 59.15 PSP 	**Ø72.00 mm.** 72P03 Cyl 29.81 56.31 DSP 	**Ø72.00 mm.** 72P04 Cyl 35.41 65.66 
	20.00 50.00 	20.00 50.00 	20.00 54.00 
	1.50 1.50 3.00 	1.50 1.50 3.00 	2.00 1.50 4.00 
			
	P 805 115 Std. PR 805 115	P 805 130 Std. PR 805 130	P 805 140 Std. PR 805 140

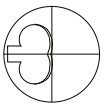
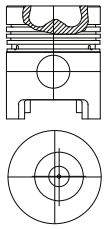
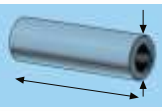
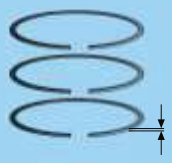
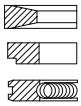
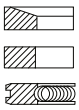
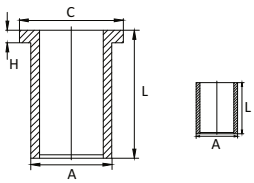
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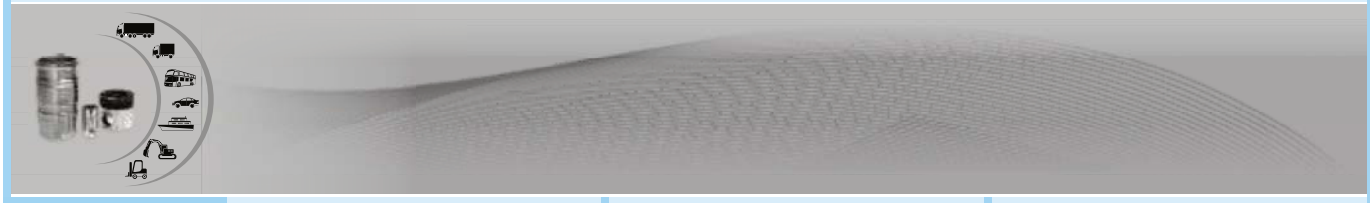
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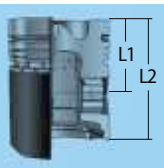
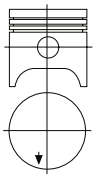
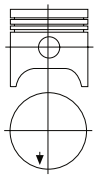
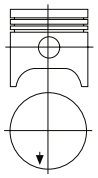
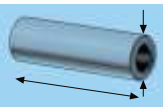
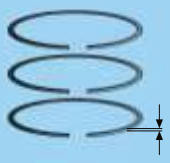
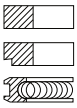
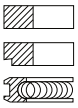
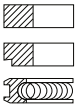
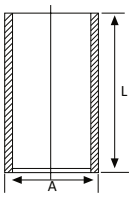
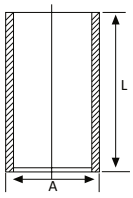
	04	Diesell Motor Tractor,Clark 725 05	06
			
	**Ø75.00 mm.** 75P05 Cyl 35.48 65.55 	**Ø 76.00 mm.** 76P06 Cyl 43.50 4 80.00 	**Ø78.00 mm.** 78P04 Cyl 36.32 0.70 69.52 CSY DSP 
	20.00 54.00 	23.00 64.00 	22.00 60.00 
	1.90 1.50 4.00 	2.50 2.00 5.00 	2.00 1.50 4.00 
			
	P 805 120 Std. PR 805 120	P 805 100 Std. P 805 100 0.50 P 805 100 1.00 PR 805 100	P 805 125 Std. PR 805 125

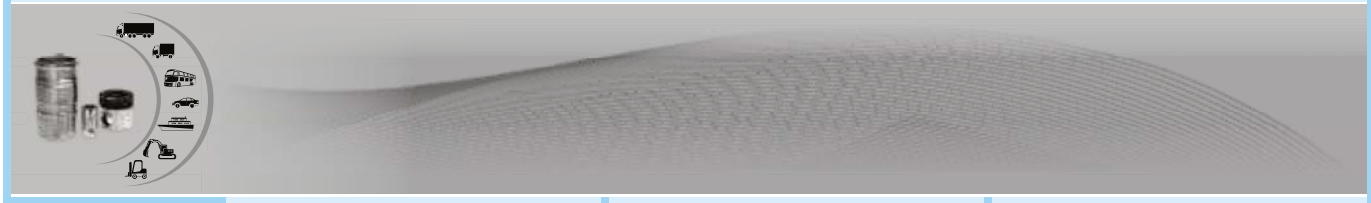


	07	08	09
	**Motor** 1714 ccm, 40-43 kW , (55-58 PS), **Vehicle**		
	**Ø83.00 mm.** 83P06 Cyl 45.90 -2.70 85.00  CSY 	**Ø87.00 mm.** 87P02 Cyl 43.43 80.00  PSP 	**Ø98.00 mm.** 98P04 Cyl 69.04 -21.60 118.99  Combustion Bowl 51.50
	25.00 71.00 	25.00 64.00 	35.00 80.00 
	2.50 2.00 4.00 	2.50 2.00 5.00 	2.50 2.50 2.50 5.00
	A =86.50 C =89.00 L =146.00 H = 3.50  A = 87.1 L = 148.0		
	P 805 105 Std. L 805 105 PR 805 105 K 805 105	P 805 110 Std. PR 805 110	P 805 145 Std. PR 805 145





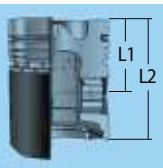
	01	02	03
	Motor BA 3 2101 1198 ccm, 44-45.5 kW, (60-62 PS), 48 kW (65 PS SAE), 8.5-8.8:1 **Vehicle** Lada 1200, Nova Junior, 1970-	**Motor BA 3 2103** 1451 ccm, 55-56.5 kW, (75-77 PS), 8.5-8.8:1 **Vehicle** Lada 1500, 1973-	**Motor BA 3 2106** 1568 ccm, 59 kW, (80 PS), 8.8:1 **Vehicle** Lada 1600, Lada 2106-2107 197-
  	**Ø 76.00 mm.** 76P07 Cyl. 38.00 4 77.00 PSP 	**Ø 76.00 mm.** 76P08 Cyl. 38.00 4 77.00 PSP 	**Ø 79.00 mm.** 79P01 Cyl. 38.00 4 77.00 PSP 
	21.99 67.00 	21.99 67.00 	21.99 67.00 
	1.50 Cr 2.00 4.00 	1.50 Cr 2.00 4.00 	1.50 Cr 2.00 4.00 
	A = 80.00 L = 145.20 	A = 80.00 L = 145.20 	
	P 482 105 Std. P 482 105 0.40 P 482 105 0.60 P 482 105 0.80 P 482 105 1.00 P 482 105 1.20 L 482 105 PR 482 105 K 482 105	P 482 110 Std. P 482 110 0.40 P 482 110 0.60 P 482 110 0.80 P 482 110 1.00 P 482 110 1.20 L 482 110 PR 482 110 K 482 110	P 482 115 Std. P 482 115 0.40 P 482 115 0.60 P 482 115 0.80 P 482 115 1.00 PR 482 115





Motor 1.3 Ltr. **04**
1294 ccm, 48-51.5 kW, (65-70 PS), 8.5:1
Vehicle Lada 1300, Lada 2105,
Lada Nova, 1974-
Motor BA 3 2106,
1568 ccm, 57.5 kW, (78 PS), 8.5:1
Vehicle Lada 1600, Niva,
Lada 2107, 1975-

Motor 1.3 Ltr. **05**
1294 ccm, 48-51.5 kW, (65-70 PS), 8.5:1
Vehicle Nova C. Lada 2105,
Motor 1.6 Ltr.
1569 ccm, 57.5 kW, (78 PS), 8.5:1
Vehicle Lada 2107, 1981-

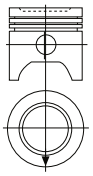






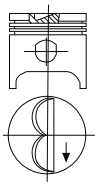
Ø 79.00 mm.
79P02

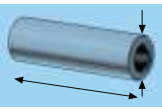
Cyl.	38.00
4	-2.00
	77.00
PSP	



Ø 79.00 mm.
79P03

Cyl.	37.80
4	-7.02
	76.80
PSP	



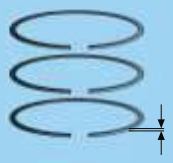


21.99
67.00

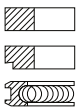


21.99
67.00

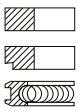




1.50 Cr
2.00
4.00



1.50 Cr
2.00
4.00



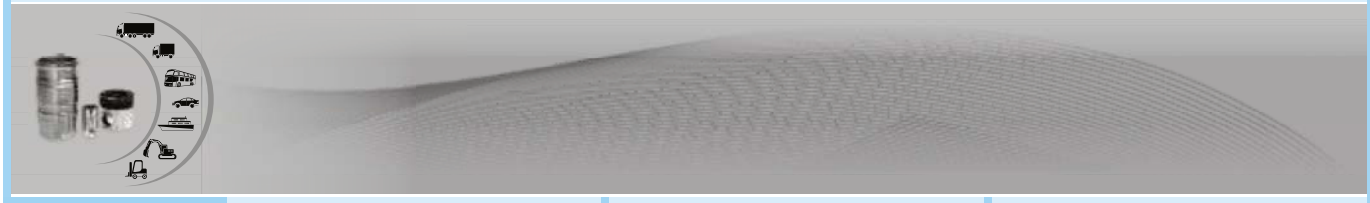




P 482 120 Std.
P 482 120 0.40
P 482 120 0.60
P 482 120 0.80
P 482 120 1.00
PR 482 120

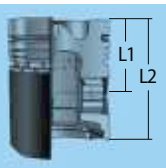
P 482 125 Std.
P 482 125 0.40
P 482 125 0.60
P 482 125 0.80
P 482 125 1.00
PR 482 125

L
LADA





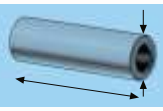
01	02	03
	Motor 831 D1.000 1920 ccm, 59 kW, (80 PS), 20:1 **Vehicle** Delta Turbo D, Prisma Turbo ds, 1986-	**Motor 132 AB.000, 132 B1.000, 132 BB.1AO**, 1756 ccm, 81 kW, (110 PS), 8.9:1 **Vehicle** Lancia Beta, 1972-1975



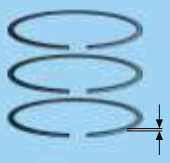




01	02	03
Ø 78.01 mm. 78P05	**Ø 82.60 mm.** 82P24	**Ø 84.00 mm.** 84P11
Cyl 4	Cyl. 4	Cyl. 4
38.65 +9.70 84.25	42.20 +2.50 78.30	38.45 +1.60 79.55 38.25 +1.60 79.35 38.05 +1.60 79.15 37.85 +1.60 78.95 37.65 +1.60 78.75 37.45 +1.60 78.55
DSP TÇP	CSY	PSP KYA



01	02	03
22.00 67.00	25.00 69.30	22.00 68.10



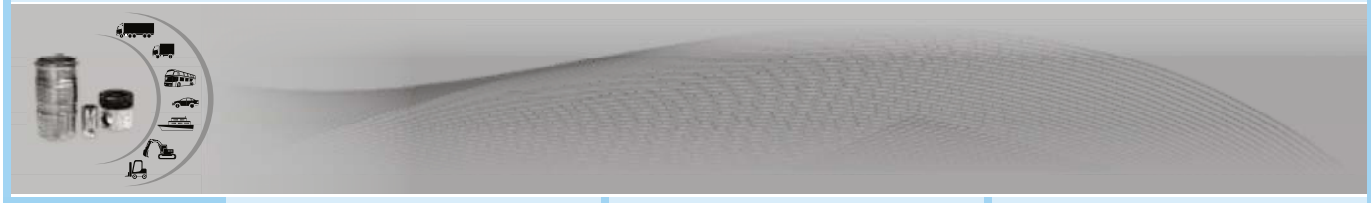
01	02	03
2.00 2.00 2.00 4.00	2.50 Mo 2.00 Mo 4.00 Cr	1.50 Cr 2.00 3.947



01	02	03
	A = 86.00 L = 154.00	



01	02	03
P 480 130 Std. PR 480 130	P 480 100 Std. P 480 100 0.40 P 480 100 0.60 L 480 100 PR 480 100 K 480 100	P 480 105 Std. P 480 105 0.40 P 480 105 0.60 P 480 105 0.80 P 480 105 1.00 P 480 105 1.60 PR 480 105





Motor 828 B1.000, 828 B4.000, **04**
1995 ccm, 84.5-86 kW,
(115-117 PS), 8.9:1
Vehicle Beta 2.0, Lancia HPE, 1975-1984

Motor 831 A1.000 **05**
1499 ccm 59-62.5
kW (80-85 PS) 9.2:1
Vehicle Delta 1.5, Prisma 1.5, 09.1979-

Motor 831 A.000 **06**
1302 ccm, 57 kW, (78 PS), 9.5:1
Motor 831 A.1.000
1499 ccm, 59 kW, (80 PS), 9.5:1
Vehicle Delta, Prisma, 1986-

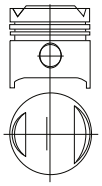






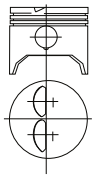
Ø 84.00 mm.
84P12

Cyl.	38.45
4	77.95
	38.25
	77.75
	38.05
PSP	77.55
KYA	37.85
	77.35
	37.65
	77.15
	37.45
	77.95



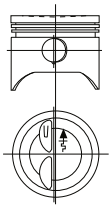
Ø 86.40 mm.
86P19

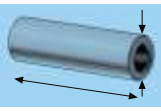
Cyl.	34.45
4	-2.49
	73.95
PSP	



Ø 86.40 mm.
86P20

Cyl.	35.00
4	-0.60
	-3.28
	74.50
	34.70
PSP	-0.60
KYA	-3.28
	74.20
	34.40
	-0.60
	-3.28
	73.90





22.00
68.10

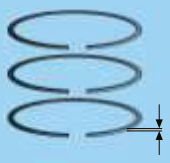


21.99
69.00



22.00
69.00

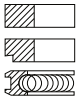




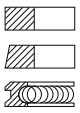
1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



1.50 Cr
2.00
3.947



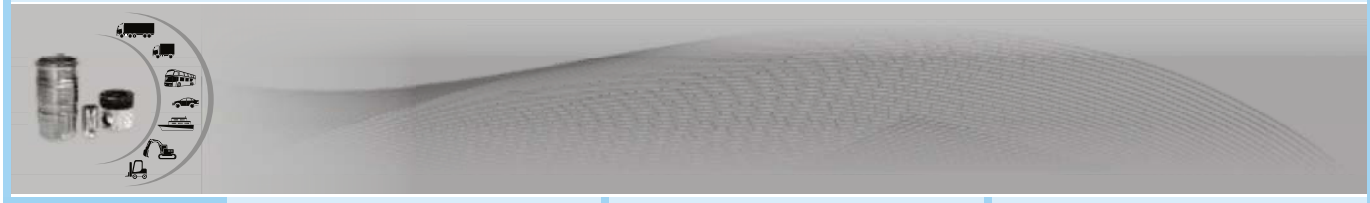




P 480 110 Std.
P 480 110 0.40
P 480 110 0.60
P 480 110 0.80
P 480 110 1.00
P 480 110 1.60
PR 480 110

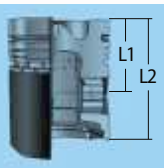
P 480 115 Std.
P 480 115 0.40
P 480 115 0.60
PR 480 115

P 480 120 Std.
P 480 120 0.40
P 480 120 0.60
PR 480 120





Motor 831 A2.000 **07**
1281-1302 ccm, 55-57.5 kW,
(75-78 PS) 9.1-9.5:1
Vehicle Delta, Prisma 09.1979-



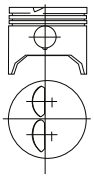


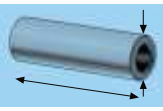


Ø 86.40 mm.
86P21

Cyl.	34.15
4	-2.41
	73.65

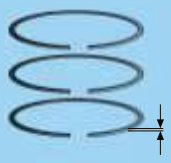
PSP



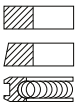


22.00
69.00





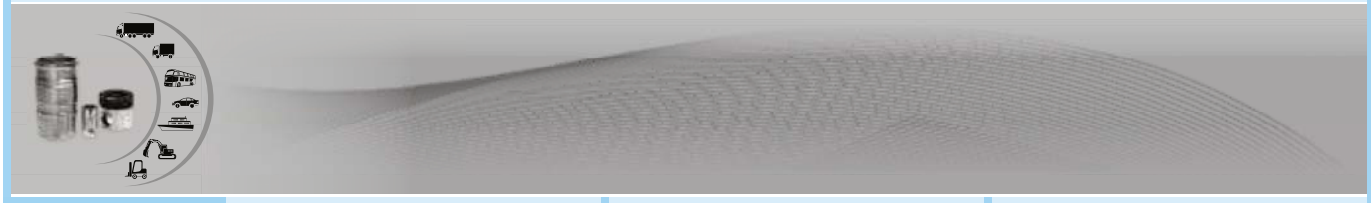
1.50 Cr
2.00
3.949

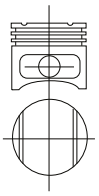
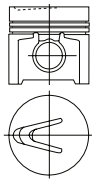
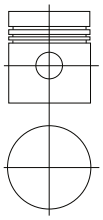
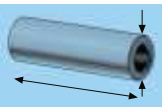
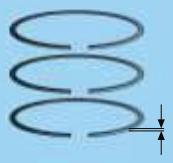
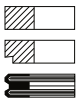
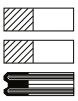
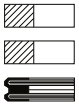
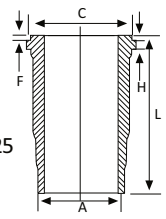
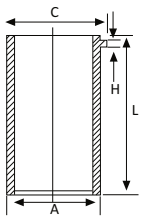
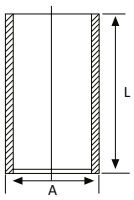


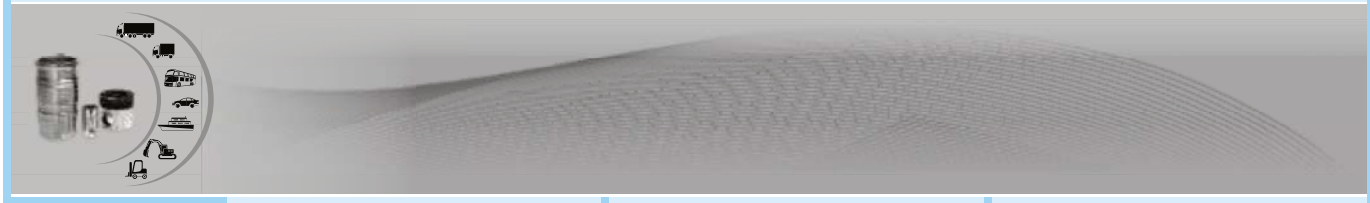




P 480 125 Std.
P 480 125 0.40
P 480 125 0.60
PR 480 125



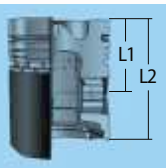
	Motor K 16 **01** 1396 ccm, C.R.10:1 **Vehicle** DOHC, 214 Si, SLi, GLi, 414 SL, SLi, GLi, Metro GTi, 1989-1990	**Motor OB 2.5 Ltr.** **02** 2494 ccm, 21:1 **Vehicle** Army 90, 110, Sherpa 1984-	**Motor 2.3 Ltr, P** **03** 2286 ccm, 50-55 kW, 57 kW (68-75 PS DIN-78 PS SAE), 7-8:1 **Vehicle** Land-rover 88.90, 109. 110, 1959-1986
			
	**Ø 75.00 mm.** 75P06 Cyl. 30.60 4 54.00 	**Ø 90.475 mm.** 90P18 Cyl. 54.78 4 -3.70 86.50 PSP CSY 	**Ø 90.475 mm.** 90P19 Cyl. 58.522 4 99.924 PSP 
	18.00 49.70 	30.162 74.50 	25.397 76.20 
	1.20 Cr 1.49 3.00 Cr 	2.00 2.00 4.00 	1.778 1.778 4.747 
	A = 82.30 C = 87.67 L = 131.975 H + F= 5.00+1.425 	A = 94.539 C = 97.70 L = 190.36 H = 4.76 	A = 93.662 L = 191.29 
	P 475 120 Std. P 475 120 020 P 475 120 040 L 475 120 PR 475 120 K 475 120	P 475 115 Std. P 475 115 020 P 475 115 030 P 475 115 040 P 475 115 060 L 475 115 PR 475 115 K 475 115	P 475 105 Std. P 475 105 010 P 475 105 020 P 475 105 030 P 475 105 040 P 475 105 060 L 475 105 PR 475 105 K 475 105





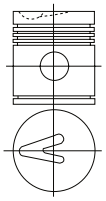
Motor 2.3 Ltr, D **04**
2286 ccm, 46-49 kW,
(63 PS DIN, 67 PS SAE), 23:1
Vehicle Land-Rover Diesel 88, 109, 110,
1962-1984

dto., **05**



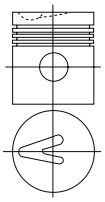
Ø 90.487 mm.
90P21

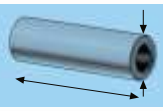
Cyl. 58.60
4 -6.50
100.012



Ø 90.487 mm.
90P22

Cyl. 58.60
4 -6.50
100.012



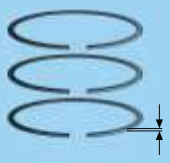


30.162
74.50

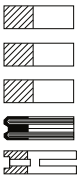


30.162
74.50

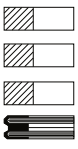




2.385 Cr
2.385
2.385
4.747 Cr
4.747

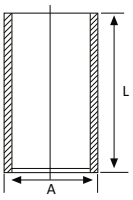


2.385 Cr
2.385
2.385
4.747 Cr



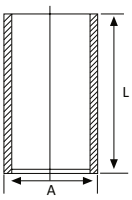


A = 93.662
L = 191.29



A = 94.51
L = 191.11

A = 93.662
L = 191.29

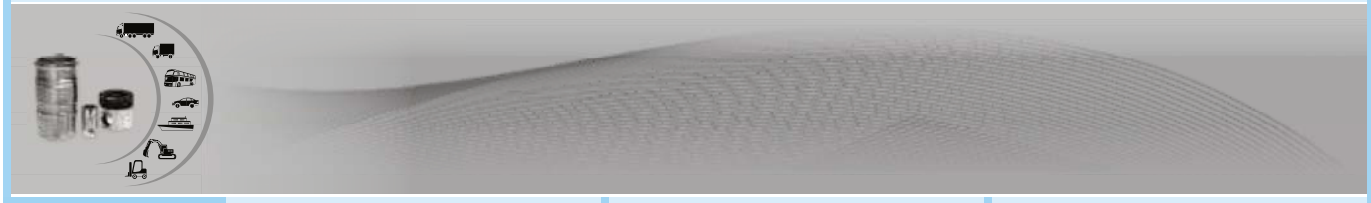


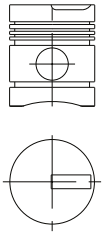
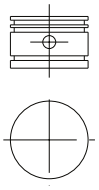
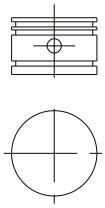
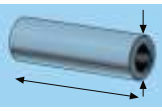
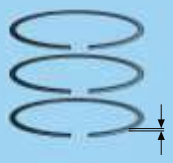
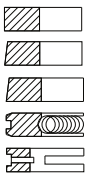
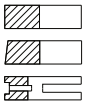
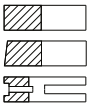
A = 94.51
L = 191.11

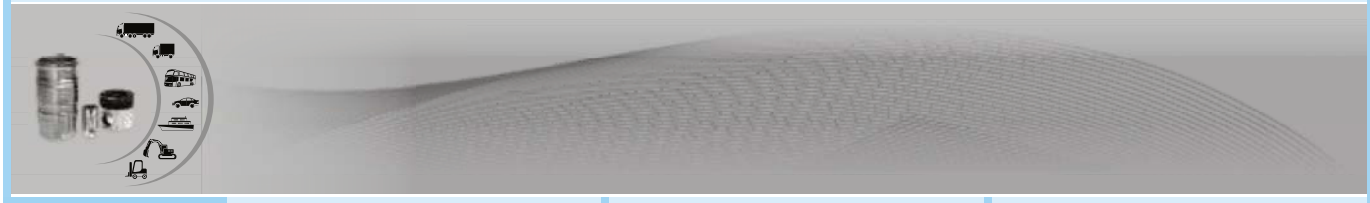


P 475 100 Std.
P 475 100 020
P 475 100 030
P 475 100 040
P 475 100 060
L 475 100 L 475 101
PR 475 100
K 475 100

P 475 110 Std.
P 475 110 020
P 475 110 030
P 475 110 040
P 475 110 060
L 475 110 L 475 111
PR 475 110
K 475 110



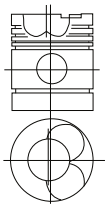
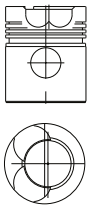
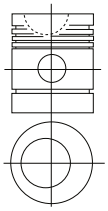
	01	02	03
			
	**Ø 63.00 mm.** 63P01 Cyl 43.80 4 -3.65 75.10 ESP 	**Ø 66.68 mm.** 66P02 Cyl 22.00 1 44.40 ESP 	**Ø 66.68 mm.** 66P03 Cyl 22.00 1 44.40 ESP 
	23.812 51.60 	11.11 57.00 	13.00 57.00 
	1.75 1.75 1.75 4.00 4.00 	4.00 4.00 4.00 	4.00 4.00 4.00 
			
	P 485 155 Std. PR 485 155	P 485 150 Std. PR 485 150	P 485 165 Std. PR 485 165

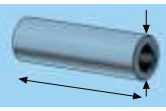




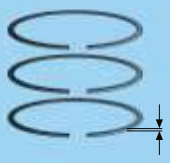
04	05	06
Motor 4-98 NV 3770 ccm, 46-51-55-56 kW, (62.5-69-75-76.5 PS DIN), 16.8:1 **Vehicle** 360 FG, 550 FG, Tractor 262, 272, 462, 470, 472, 1974- **Motor 6-98 NV/DV** 5655 ccm, 71-84.5 kW, (97-115 PS DIN), 16.8:1 **Vehicle** Boxer 1000/1200/1300, Terrier 650/750/850/950/, FG 350/360/420/550, Tractor 285/485/2100/4100, Landmaster, 09.12.1972-	**Motor 4-98 NV** 3770 ccm, **Vehicle** 360 FG, 550 FG, Tractor 262-272-462-470-472, 1974 **Motor 6-98 NV/DV** 5655 ccm, **Vehicle** Boxer 1000/1200/1300 Terrier 650/750/850/950,FG 350/360/420/550,Tractor 285/485/2100/4100,Landmaster, 1972-	**Motor 38 JJ** 3770 ccm, 55 kW, (75 PS SAE), 16.5:1 **Motor 55 JJ** 5567 ccm, 88 kW, (120 PS SAE), 16.5:1 **Vehicle** Tractor 17.5 to., Redline Laird, Redline Terrier

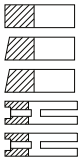
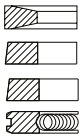
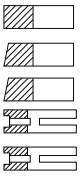


Ø 98.00 mm. 98P05	**Ø 98.00 mm.** 98P06	**Ø 100.00 mm.** 100P32
Cyl. 68.20 4/6 -2.40 -25.00 116.30	Cyl 68.20 4/6 -2.40 -25.00 116.30	Cyl. 70.17 4/6 -27.00 120.80
ESP 		ESP 
Combustion Bowl 56.00	Combustion Bowl 56.00	Combustion Bowl 58.00

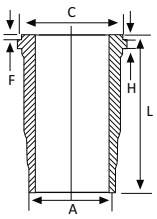
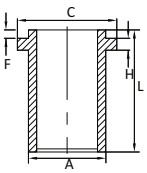
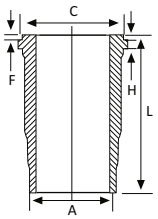


34.925 82.50 	36.512 83.50 	34.925 84.50 



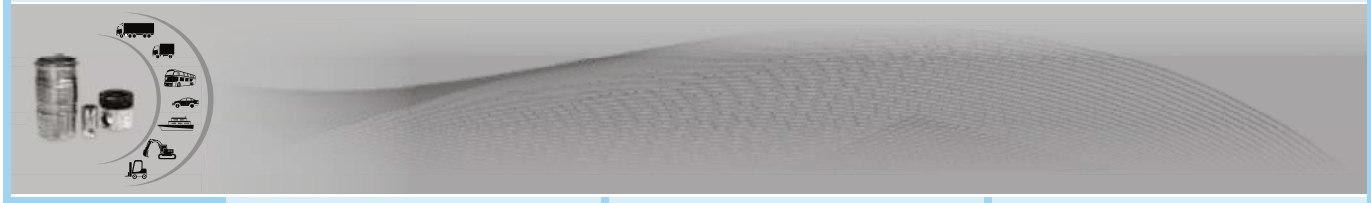
2.385 Cr 2.385 2.385 6.350 4.747 	2.38 2.38 2.38 6.35 	3.947 Cr 2.385 2.385 6.335 6.335 



A = 108.179 C = 117.094 L = 221.539 H + F=8.89+0.88 	A = 108.17 C = 117.09 L = 221.539 H = 8.89 F = 0.88  A = 108.18 C = 117.10 L = 219.00 H = 8.89 F = 0.88	A = 110.60 C = 117.10 L = 221.60 H + F=8.9+0.9 



P 485 100 Std. L 485 100 PR 485 100 K 485 100	P 485 140 Std. L 485 140 PR 485 140 K 485 140	L 485 141 P 485 105 Std. L 485 105 PR 485 105 K 485 105





Motor 0-400 Power-Plus, 4005,0-401 **07**
6540 ccm, 95.6 kW, (130 PS SAE), 16:1
Vehicle Clydesdale-CD 23 NW, Meteor CH 9 XL, Reiver, Super-Reiver, Super Comet, Chieftain, 1961-

Motor 410/411/420 **08**
6540 ccm, 15.5:1
Vehicle Clydesdale Super Cornet, Chieftan, Reiver, Freighter, Constructor, Cruiser, 1972-1989

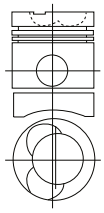
Motor 0410 **09**
6540 ccm Turbocharged
Vehicle Super Clydesdale



Ø 107.21 mm.
107P03

Cyl.	82.10
6	-2.30
	-19.50
	145.50

CSY
ESP

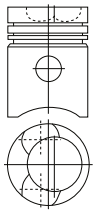


Combustion Bowl 71.10

Ø 107.21 mm.
107P04

Cyl.	82.131
6	-19.355
	-2.21
	145.593

CSY
YPO

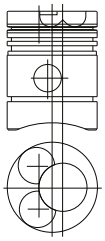


Combustion Bowl 71.30

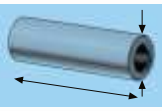
Ø 107.21 mm.
107P05

Cyl.	82.14
6	-2.35
	-19.60
	145.80

CSY
ESP



Combustion Bowl 71.30



33.02
91.00

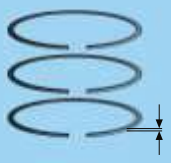


41.275
88.50

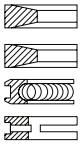


33.78
92.70

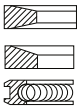




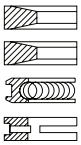
3.42
3.42
6.335
6.335



3.175 Cr
2.38
4.763



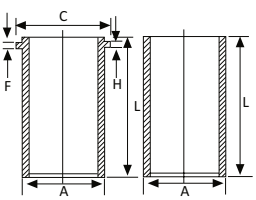
3.42
3.42
6.335
6.335



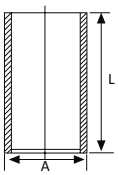


A = 111.27
C = 112.80
L = 240.00
H + F=4.5+1

A = 111.30
L = 239.50

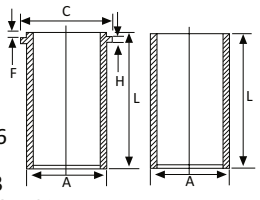


A = 111.326
L = 239.471



A = 111.33
L = 239.47

A = 111.326
C = 112.70
L = 239.573
H + F=4.356+1.01

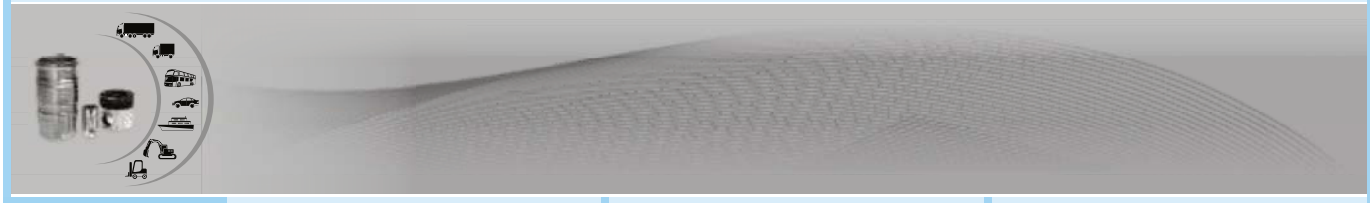




P 485 110 Std.
L 485 110 L 485 111
PR 485 110
K 485 110

P 485 125 Std.
L 485 125
PR 485 125
K 485 125

P 485 130 Std.
L 485 130 L 485 131
PR 485 130
K 485 130

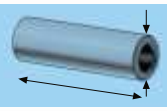




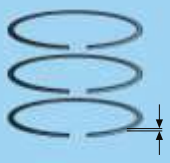
10	11	12
	Motor 0-680 Power-Plus 11100 ccm, 132.5-147-156 kW, (180-200-212 PS), 15.8:1 **Vehicle** Royal-Tiger, Wordmaster, Olympic Series II, Beaver -96/-144/ -162/-180/-T, 14 B.17 R/AR, 14 R, 14 B. 13 R, 14 B. 12 R, RT 3/1, RT 1/1, RT 2/1, 14 B. 14 AR, 1970-	dto.,



10	11	12
Ø 107.21 mm. 107P06	**Ø 127.00 mm.** 127P02	**Ø 127.00 mm.** 127P03
Cyl 4/6	Cyl. 6	Cyl. 6
82.13 -2.21 -19.355 145.593	101.00 -2.73 -29.60 169.60	101.00 -2.73 -29.60 169.60
CSY ESP	ESP CSY	ESP CSY
Combustion Bowl 71.00	Combustion Bowl 71.50	



10	11	12
41.275 88.50	41.27 111.70	44.70 109.00



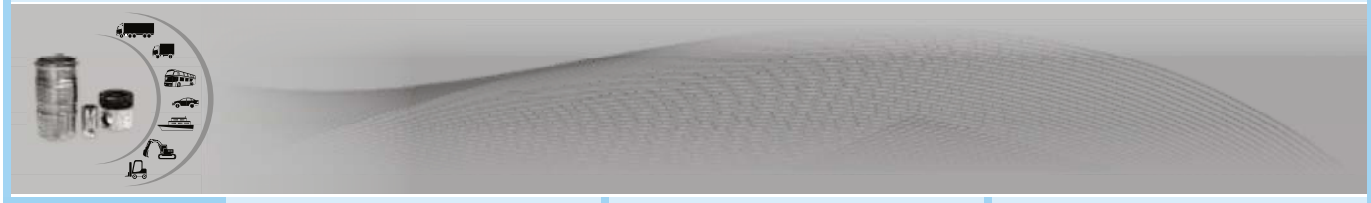
10	11	12
2.38 2.38 4.76 6.35	3.54 Cr 3.54 6.335 6.335	3.54 Cr 3.54 6.335 6.335



10	11	12
	A = 133.12 C = 139.06 L = 289.00 H = 7.60	A = 133.12 C = 139.06 L = 289.00 H = 7.60



10	11	12
P 485 160 Std. PR 485 160	P 485 115 Std. L 485 115 PR 485 115 K 485 115	P 485 120 Std. L 485 120 PR 485 120 K 485 120





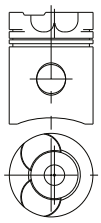
Motor TL 11, **13**
10300 ccm, 162-192 kW,
(220/261 PS), 15,8:1
Vehicle Bison 2,Buffalo 2, Octobus 2,
Lynx, Scamell, Routman,Roadtrain
16.28, T 45, 1979 -



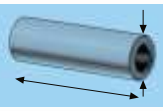
Ø 127.00 mm.
127P04

Cyl	101.00
6	-2.70
	-29.60
	169.30

CSY

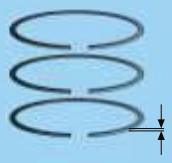


Combustion Bowl 71.40

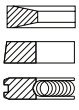


44.70
109.20





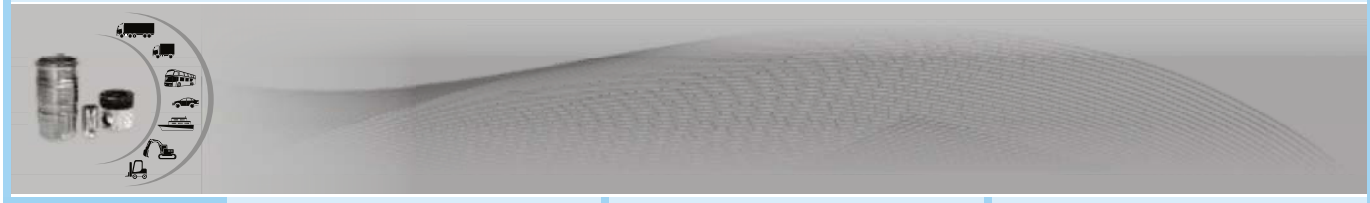
3.165
2.385
4.747



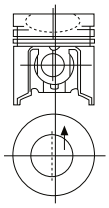
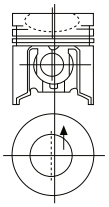
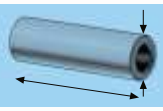
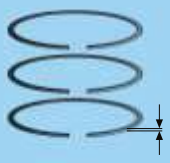
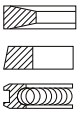
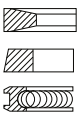
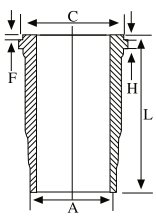
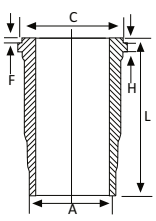




P 485 145 Std.
PR 485 145

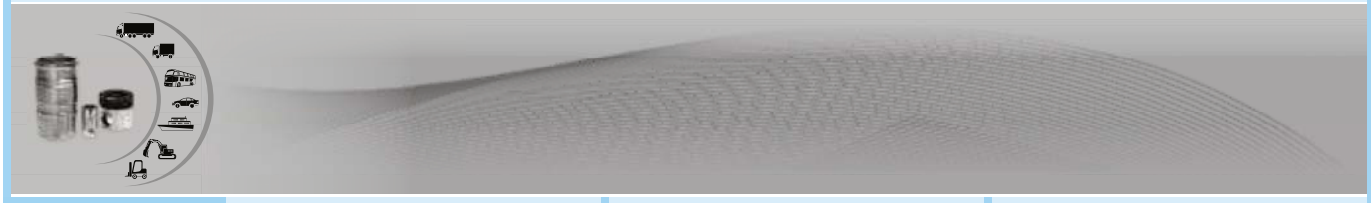




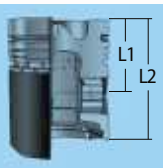
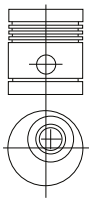
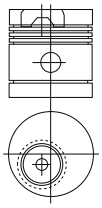
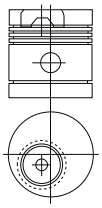
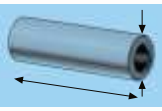
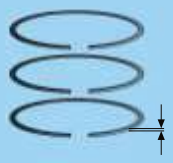
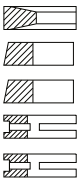
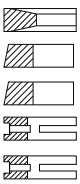
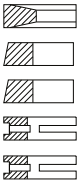
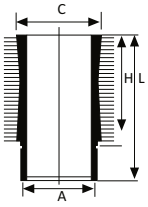
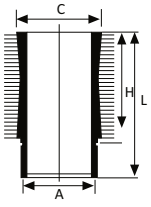
	Motor M 640, MS 640/F **01** 11940 ccm, 224-235 kW, (305-320 PS DIN), 15.6:1 **Vehicle** Baureihe 100, 110, 111, 123, 140, 151, 1979-	**Motor M 640, MS 640/F** **02** 11940 ccm, 224-235 kW, (305-320 PS DIN), 15.6:1 **Vehicle** Baureihe 100, 110, 111, 123, 140, 151, 1979-	
	**Ø 130.00 mm.** 130P07 Cyl. 85.00 6 -28.00 148.30 CSY KMP  Combustion Bowl 75.00	**Ø 130.00 mm.** 130P08 Cyl. 85.00 6 -28.00 149.00 CSY  Combustion Bowl 75.00	
	50.00 106.85 	45.00 106.85 	
	3.50 Cr 3.00 5.00 Cr 	3.50 Cr 3.00 5.00 Cr 	
	A = 146.00 C = 156.00 L = 276.00 H + F=8+0.7 	A = 146.00 C = 156.00 L = 276.00 H + F=8+0.7 	
	P 490 100 Std. L 490 100 PR 490 100 K 490 100	P 490 105 Std. L 490 105 PR 490 105 K 490 105	

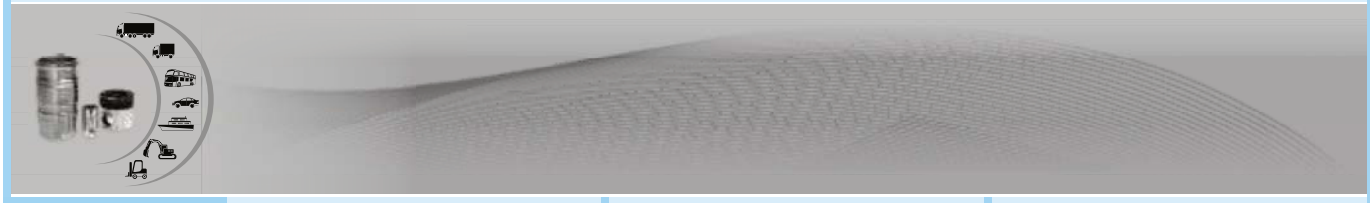
L

ZAZ1





Motor LR 1/2 01 Vehicle Aircooled, 1949-1967	**Motor LD1/2/3** 02 **Vehicle** Aircooled, 1952-1965	**Motor SL 1/2/3** 03 **Vehicle** Aircooled, 1961-1967
 **Ø 76.20 mm.** 76P14 Cyl. 1/2 — 65.151 / -15.418 / 103.188 ESP  Combustion Bowl 29.80	**Ø 76.20 mm.** 76P15 Cyl. 1/2/3 — 65.138 / -15.367 / 103.175 ESP  Combustion Bowl 29.80	**Ø 80.963 mm.** 80P25 Cyl. 1/2/3 — 65.164 / -15.367 / 103.188 ESP  Combustion Bowl 29.75
 25.40 / 65.00 	25.40 / 65.00 	27.00 / 69.40 
 3.175 Cr 2.381 2.381 3.969 3.969 	3.988 Cr 2.381 2.381 3.969 3.969 	3.969 2.381 2.381 3.969 3.969 
 A = 98.349 C = 97.612 L = 185.674 H = 144.907 	A = 98.349 C = 97.612 L = 185.674 H = 144.907 	
 P 495 100 Std. P 495 100 0.50 P 495 100 0.75 P 495 100 1.00 P 495 100 1.50 L 495 100 PR 495 100 K 495 100	P 495 105 Std. L 495 105 PR 495 105 K 495 105	P 495 110 Std. P 495 110 020 P 495 110 030 P 495 110 040 P 495 110 060 PR 495 110

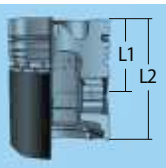




Diesel Motor **04**
LT 1/2 1974

Motor SR1/2/3/4 **05**
Vehicle Aircooled, 1961-1975,

Motor ST1, ST2, ST3 **06**
Vehicle Aircooled, 1975-1985



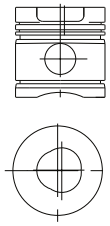




Ø 82.55 mm.
82P19

Cyl. 47.65
1/2 -12.95
83.058

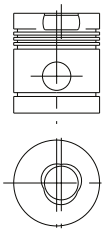
ESP



Ø 88.90 mm.
88P17

Cyl. 65.138
1/2/3/4 -17.22
103.188

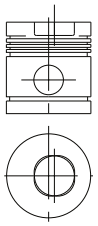
ESP



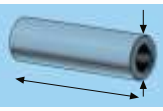
Ø 95.25 mm.
95P30

Cyl. 65.151
1/2/3 -15.00
103.188

ESP



Combustion Bowl 45.30



28.58
69.50

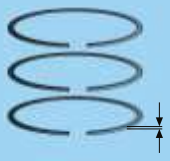


29.37
76.00

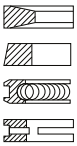


33.33
79.00

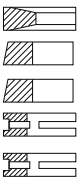




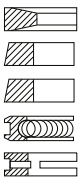
2.413
1.984
3.968
3.968



3.20 Cr
2.381
2.381
3.969
3.969

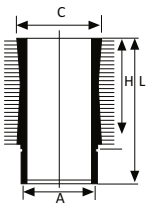


3.175
2.380
2.380
4.763
4.763





A = 104.775
C = 114.300
L = 185.928
H = 148.844

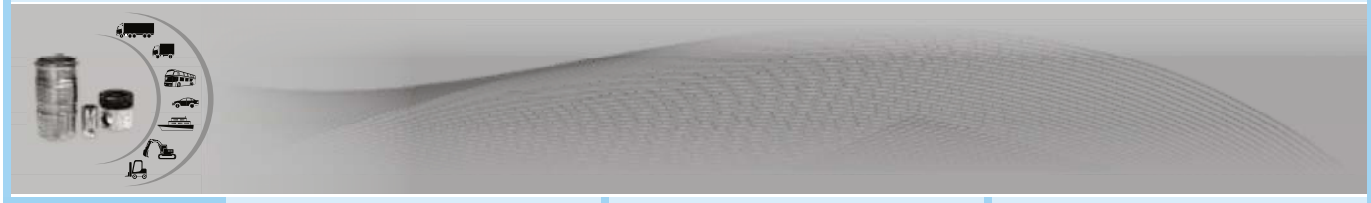




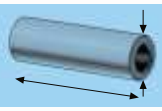
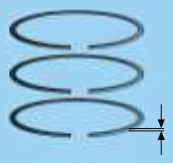
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P 495 140 0.75
P 495 140 1.00
P 495 140 1.50
PR 495 140

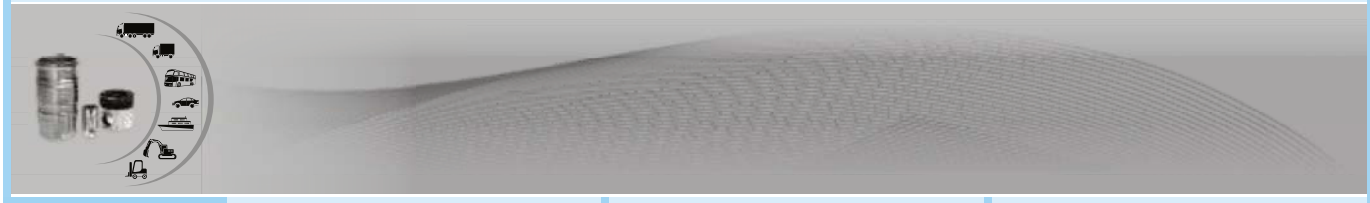
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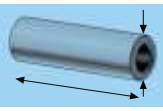
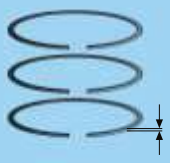




	07	08	09
	Motor Lister TR, 773 ccm, 5,5 kW, (7,5 PS) 2319 ccm, 25,9 kW, (35 PS)	**Motor HA, HB** 1960-1967	
	**Ø 98.425 mm.** 98P26 Cyl 1/2/3 58.79 -16.30 89.24 PSP Combustion Bowl 49.65	**Ø 101.60 mm.** 101P12 Cyl. 2/3/4/6 73.076 -21.260 127.000 ESP	**Ø 107.95 mm.** 107P15 Cyl 4/6 73.076 -4.20 -20.70 127.00 CSY ESP
	33.334 82.40	36.52 84.00	39.70 89.00
	3.165 2.385 4.747	4.762 3.175 3.175 4.762 4.762	3.969 3.175 3.175 4.763 4.763
			
	P 495 165 Std. PR 495 165	P 495 125 Std. P 495 125 0.50 P 495 125 0.75 P 495 125 1.00 P 495 125 1.50 PR 495 125	P 495 155 Std. PR 495 155

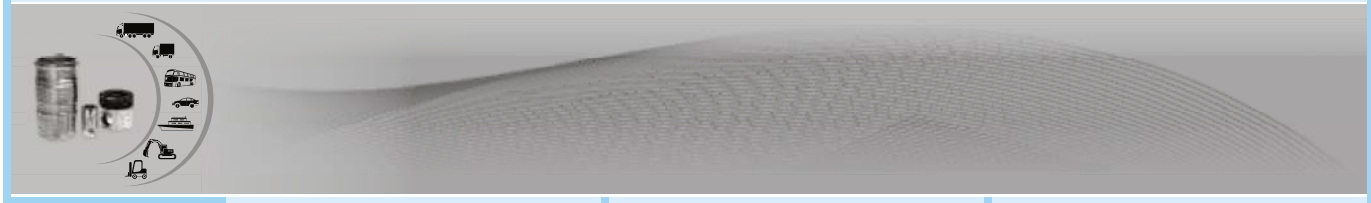




	Motor HR/HRA/HRW **10** 1967-	**dto.,** **11**	**Motor 8/1, 16/2** **12** 1936-1976
	**Ø 108.00 mm.** 108P07 Cyl. 4/6 — 73.076 / -20.70 / 127.00 ESP	**Ø 108.00 mm.** 108P08 Cyl. 4/6 — 73.076 / -20.70 / 127.00 ESP CSY Combustion Bowl 50.90	**Ø 114.30 mm.** 114P17 Cyl. 1/2 — 64.70 / 137.160
	39.70 89.00	39.70 89.00	31.75 97.00
	3.969 3.175 3.175 4.763 4.763	3.969 3.175 3.175 4.763 4.763	4.762 Cr 3.175 3.175 4.81
			
	P 495 130 Std. P 495 130 0.50 P 495 130 1.00 PR 495 130	P 495 145 Std. P 495 145 0.50 P 495 145 1.00 PR 495 145	P 495 135 Std. P 495 135 0.50 P 495 135 1.00 PR 495 135

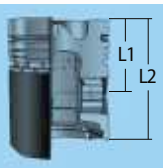
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LISTER



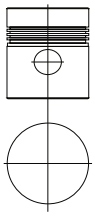
dto., **13**





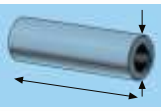
Ø 114.30 mm.
114P18

Cyl. 64.834
1/2 137.160



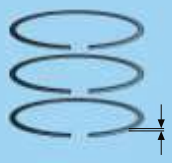




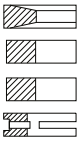


41.275
95.40





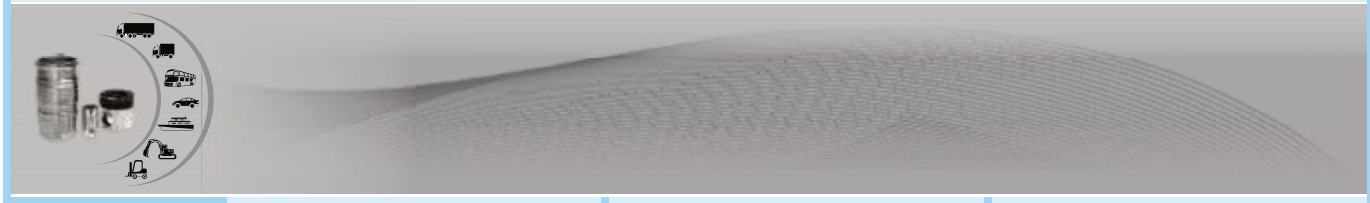
4.762
3.175
3.175
4.81



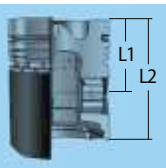
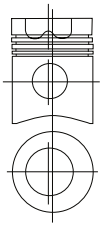
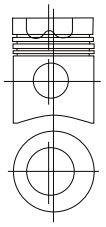
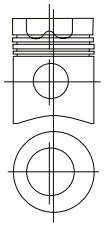
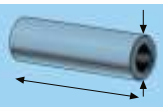
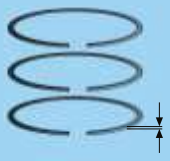
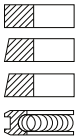
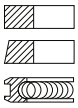
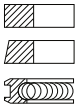


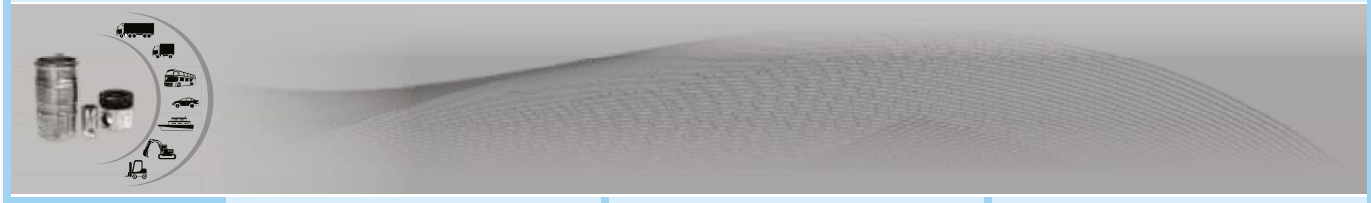


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PR 495 150

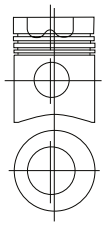
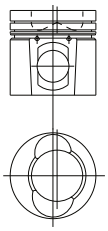
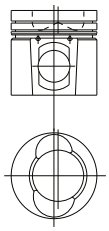
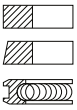
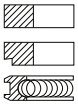
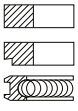


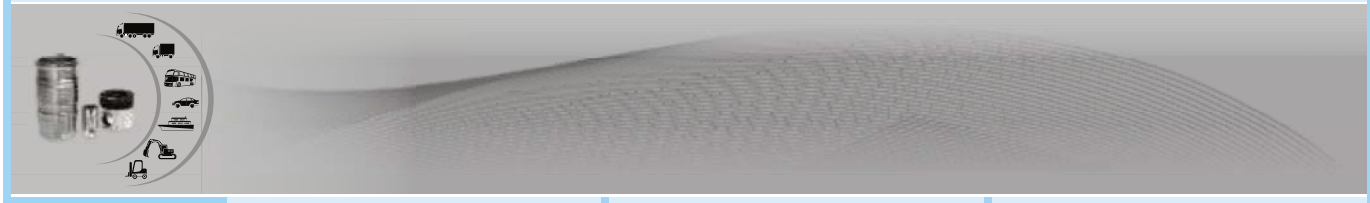


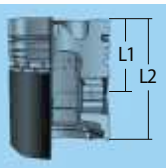
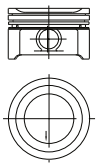
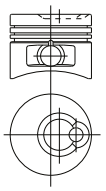
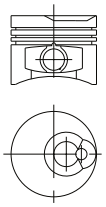
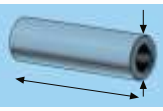
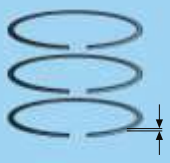
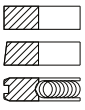
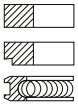
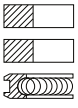
	01	02	03
	Motor T 5056 **Vehicle** TNM 121	**Motor 8353-16033** 16:1 **Vehicle** Greyder	**Motor T 5260** **Vehicle** TNM 232
	**Ø 100.00 mm.** 100P33 Cyl. 69.00 4 -25.20 124.00 CSY  Combustion Bowl. 51.40	**Ø 107.95 mm.** 107P16 Cyl. 78.40 6 -28.35 132.60 CSY 	**Ø 107.95 mm.** 107P17 Cyl. 70.70 6 -21.00 122.70 CSY  Combustion Bowl 61.50
	36.00 84.80 	40.00 90.00 	40.00 91.90 
	2.50 Mo 3.00 3.00 5.00 	2.50 Mo 3.00 5.00 Cr 	2.50 Mo 3.00 5.00 Cr 
			
	P 502 115 Std. PR 502 115	P 502 100 Std. PR 502 100	P 502 105 Std. PR 502 105

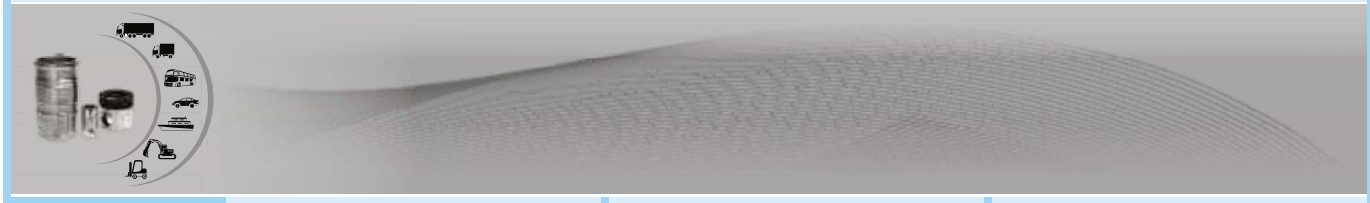


Motor T 5059
Vehicle TNM 231

04	05	06
		
Ø 107.95 mm. 107P18 Cyl. 70.70 6 -23.50 122.70  Combustion Bowl 55.40	**Ø 107.95 mm.** 107P19 Cyl. 70.65 6 -19.10 -0.85 106.70 CSY 	**Ø 107.95 mm.** 107P20 Cyl. 70.65 6 -19.00 -0.75 106.65 
40.00 90.00 	40.00 88.80 	40.00 88.80 
2.50 Mo 3.00 5.00 Cr 	3.00 2.50 4.00 	2.50 2.50 4.00 
P 502 110 Std. PR 502 110	P 502 120 Std. PR 502 120	P 502 125 Std. PR 502 125



	01	02	03
		**Motor S›ra Pompa Motor Piaggio** **1200 ccm 70 HP** **Vehicle 1997-1999 Piaggio** **Vehicle Daihatsu 1200 cc**	
  	**Ø66.50 mm.** 66P01 Cyl 4 25.20 -3.30 41.68 24.95 41.43 KYA KMP  Combustion Bowl 54.50	**Ø 72.00 mm.** 72P05 Cyl. 1/2 37.00 -4.00 58.00  Combustion Bowl 40.00	**Ø72.00 mm.** 72P06 Cyl 1/2 37.00 -4.20 58.00  Combustion Bowl 37.00
	16.00 48.00 	18.00 51.00 	18.00 51.00 
	1.20 1.50 2.50 	2.00 2.00 3.00 	2.00 2.00 3.00 
			
	P 500 325 Std. PR 500 325	P 500 175 Std. PR 500 175	P 500 415 Std. PR 500 415



L

LOMBARDINI



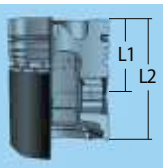
04

Motor LA, LAP 300
300 ccm, 7 HP, 6:1

05

Motor LDA 75-520
325 ccm 4.8 kw (6.5 HP)
Direct Injection Diesel
Vehicle 520, 522, 523, 525

06

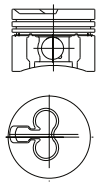






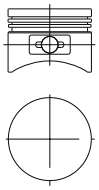
Ø75.00 mm.
75P07

Cyl 1
35.50
-4.00
56.40



Ø76.00 mm.
76P09

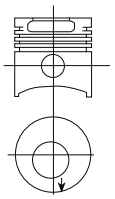
Cyl 1
32.70
57.70



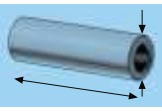
Ø 78.00 mm.
78P06

Cyl. 1/2
44.00
-11.00
72.00

PSP



Combustion Bowl 36.00



20.00
54.50

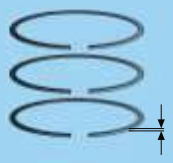


15.00
54.70

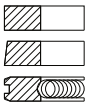


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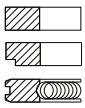




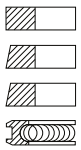
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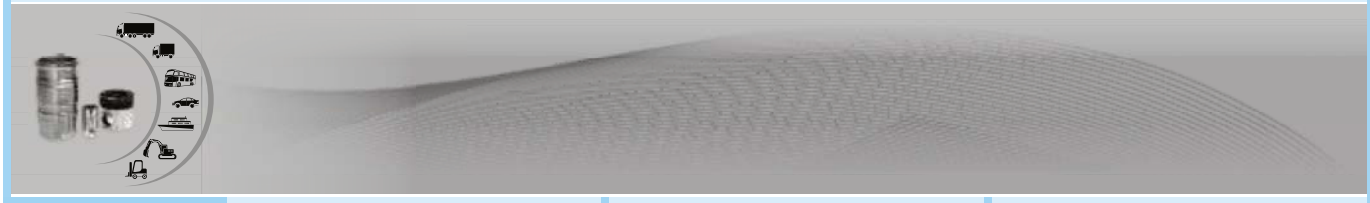




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PR 500 290

P 500 100 Std.
PR 500 100

P 500 170 Std.
P 500 170 0.50
P 500 170 1.00
PR 500 170

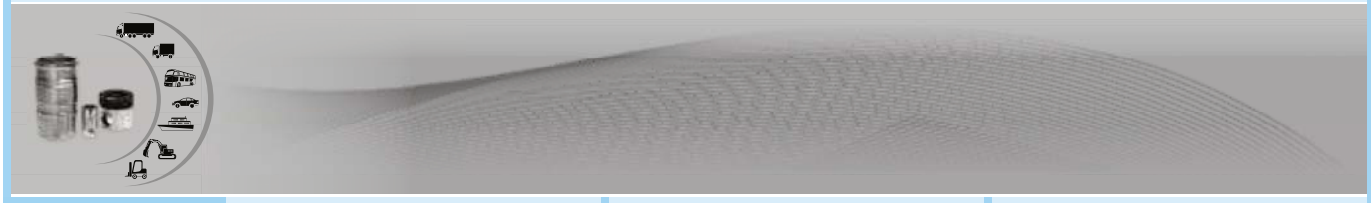


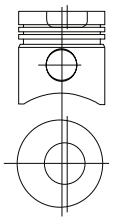
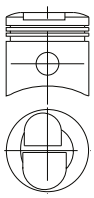
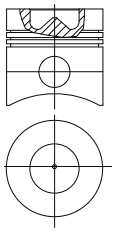
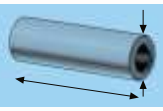
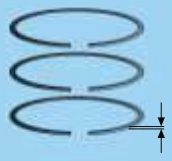
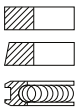
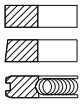
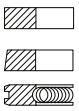


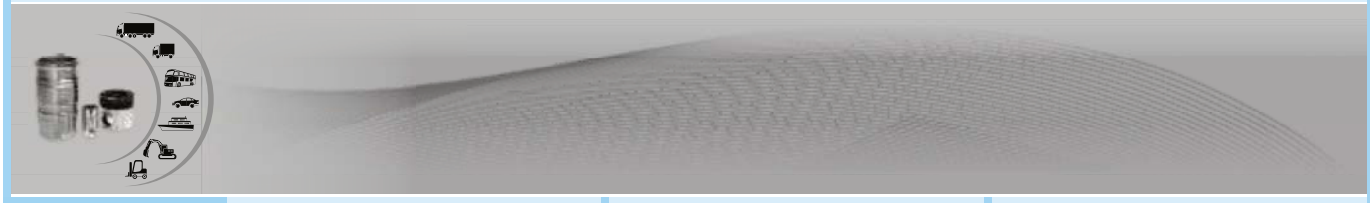
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Ø78.00 mm. 78P07 Cyl 44.00 -13.77 71.50 DSP Combustion Bowl 37.30	**Ø 80.00 mm.** 80P09 Cyl. 40.00 1 -12.00 75.00 Combustion Bowl 40.85	**Ø 80.00 mm.** 80P10 Cyl. 40.00 1 -11.90 88.00 Combustion Bowl 40.70
20.00 60.00	22.00 67.60	22.00 67.60
2.00 2.00 4.00	2.50 2.50 4.00	2.50 2.50 4.00
P 500 450 Std. PR 500 450	P 500 205 Std. PR 500 205	P 500 210 Std. PR 500 210

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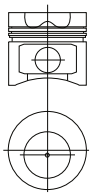
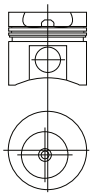
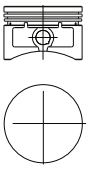
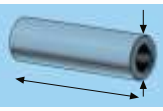
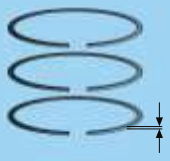
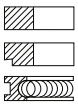
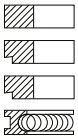
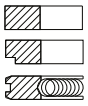
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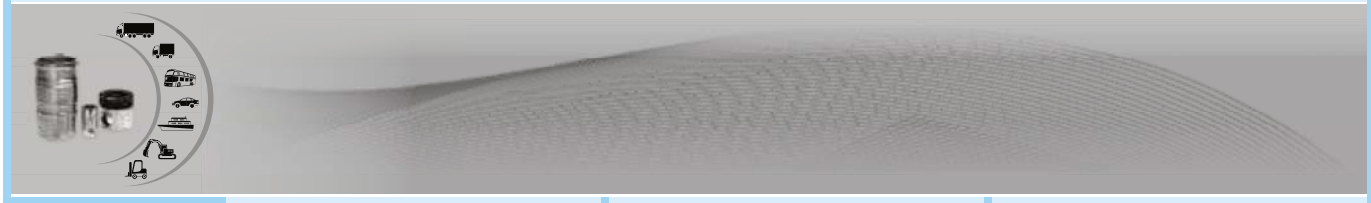


	10	11	12
			
	**Ø 80.00 mm.** 80P11 Cyl. 49.00 1/2 -14.60 85.00  Combustion Bowl 38.00	**Ø80.00 mm.** 80P12 49.54 -10.00 -8.00 80.70 	**Ø80.00 mm.** 80P13 Cyl 40.00 -11.95 75.00  Combustion Bowl 46.90
	28.00 66.00 	22.00 69.80 	22.00 67.60 
	2.50 2.50 5.00 	2.00 2.00 5.00 	2.50 2.50 4.00 
			
	P 500 235 Std. PR 500 235	P 500 360 Std. PR 500 360	P 500 440 Std. PR 500 440





	Motor 6 LD 360 **13** 395 ccm, 18:1, 5.5 kW, (7.5 HP)	**Motor 6 LDA 80** **14** 359 ccm, 18:1, 5.5 kW, (7.5 HP) **Vehicle** 530, 532, 533,	**Diesel-Motor** **15** 6 LD 360
	**Ø 82.00 mm.** 82P05 Cyl. 44.00 1 -12.50 71.50  Combustion Bowl 36.00	**Ø 82.00 mm.** 82P06 Cyl. 44.00 1 -15.05 72.00 PSP  Combustion Bowl 33.85	**Ø82.00 mm.** 82P07 Cyl 32.75 1 56.00 
	20.00 60.00 	20.00 60.00 	15.00 54.50 
	2.00 2.00 5.00 	2.00 2.00 2.00 5.00 	2.00 2.00 4.00 
			
	P 500 130 Std. P 500 130 0.50 P 500 130 1.00 PR 500 130	P 500 145 Std. P 500 145 0.50 P 500 145 1.00 PR 500 145	P 500 245 Std. PR 500 245

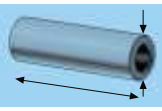




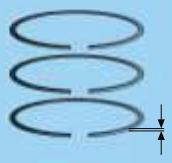
16	17	**Motor LDA 510-450, 3 LD 510** 18 510 ccm, (11 PS), 17.5-18:1 **Vehicle** Water Pump Engine **Motor 3 LD 510**



Ø82.00 mm. 82P08	**Ø82.00 mm.** 82P09	**Ø85.00 mm.** 85P05
Cyl 47.00 1 -3.70 100.00	Cyl 47.00 1 -3.90 100.00	Cyl 47.00 1 -16.42 85.00
ESP		Combustion Bowl 43.00



26.00 71.50	26.00 71.50	23.00 64.00

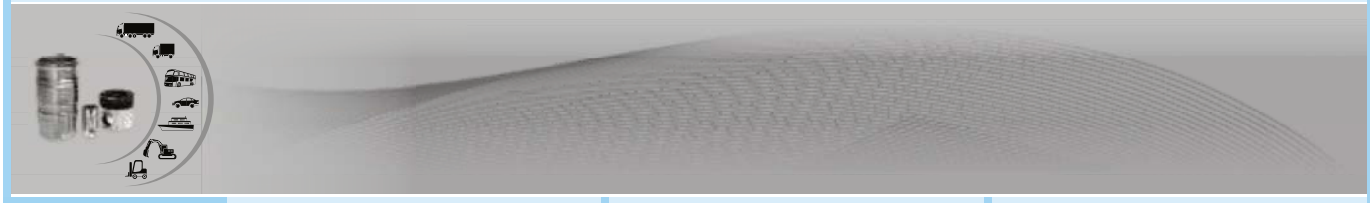


3.00 3.00 3.00 5.00 4.00	3.00 3.00 3.00 5.00	2.00 Cr 2.00 2.00 4.00 Cr

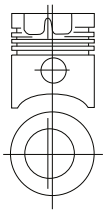
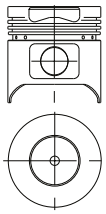
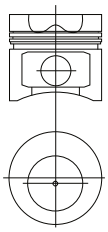
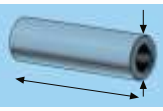
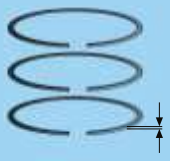
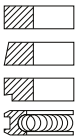
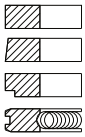
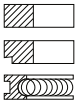


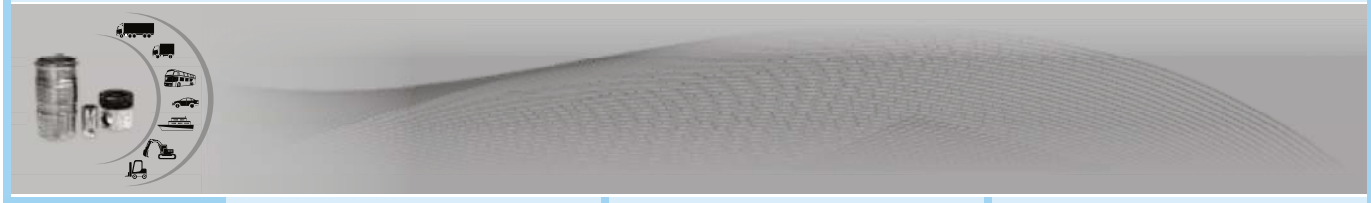


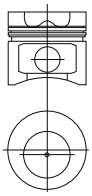
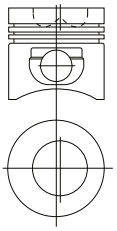
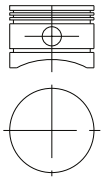
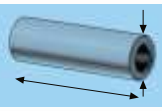
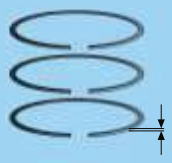
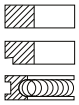
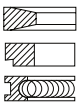
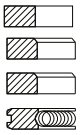
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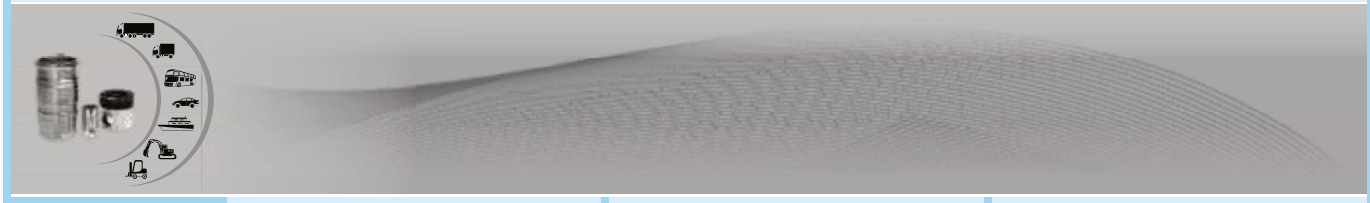


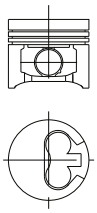
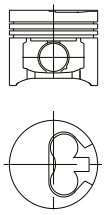
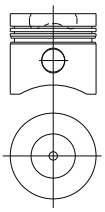
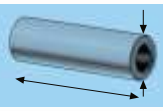
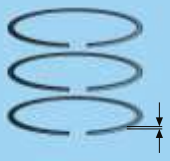
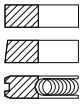
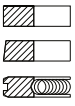
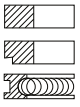


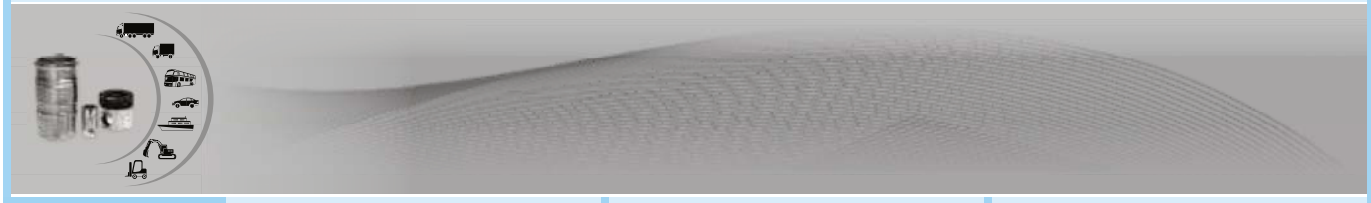
	Motor 3 LD 450-B1, 3 LD 450 **19**	**20**	Motor A 402 A **21**
	**Ø 85.00 mm.** 85P06 Cyl. 52.00 1 -14.50 90.00  Combustion Bowl 42.60	**Ø85.00 mm.** 85P07 Cyl 50.00 1 -14.00 88.00  Combustion Bowl 44.00	**Ø 86.00 mm.** 86P04 Cyl. 44.00 1 -12.50 72.00  Combustion Bowl 43.00
	23.00 63.10 	25.00 63.00 	22.00 61.60 
	2.00 Cr 2.00 2.00 4.00 Cr 	2.50 2.50 2.50 5.00 	2.00 2.00 4.00 
			
	P 500 110 Std. PR 500 110	P 500 275 Std. PR 500 275	P 500 135 Std. P 500 135 0.50 P 500 135 1.00 P 500 135 PR 500 135



	22	23	24
	Motor A 811, 6 LD 400, 395 ccm, 18:1, 6.3 kW, (8.5 HP)		
	**Ø 86.00 mm.** 86P05 Cyl. 44.00 1 -12.50 72.00  Combustion Bowl 43.30	**Ø 86.00 mm.** 86P06 Cyl. 51.00 1/2 -14.65 81.00 PSP  Combustion Bowl 49.00	**Ø88.00 mm.** 88P02 Cyl 32.00 1 64.90 ESP 
	20.00 67.60 	28.00 61.50 	20.00 65.00 
	2.00 2.00 4.00 	3.00 2.50 4.00 	2.50 2.50 4.00 4.00 
			
	P 500 140 Std. P 500 140 0.50 P 500 140 1.00 PR 500 140	P 500 220 Std. PR 500 220	P 500 370 Std. P 500 370 0.50 P 500 370 1.00 PR 500 370



	25	26	Motor 9 LD 560 Vehicle 560 27
			
	**Ø88.00 mm.** 88P03 Cyl 47.00 1 -1.85 75.12 	**Ø88.00 mm.** 88P04 Cyl 41.32 -2.90 1/2 72.00 	**Ø 90.00 mm.** 90P07 Cyl. 50.00 1 -15.00 85.00  Combustion Bowl 42.80
	28.00 62.20 	28.00 66.00 	25.00 74.00 
	2.00 2.00 3.00 	2.00 2.00 3.00 	2.00 2.00 4.00 
			
	P 500 380 Std. P 500 380 0.50 PR 500 380	P 500 410 Std. PR 500 410	P 500 215 Std. PR 500 215



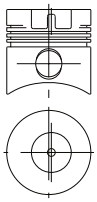


28	9 LD.560 **Motor Diesel**, 1120 cm^3 **Vehicle** Einbaumotor	29	30



Ø90.00 mm.
90P08

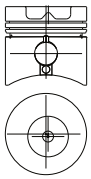
Cyl	
1	58.00
	-20.90
	91.00



Combustion Bowl 41.90

Ø90.00 mm.
90P09

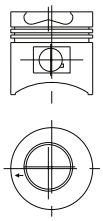
Cyl	
1	52.00
	-13.60
	87.00



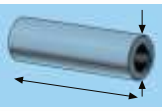
Combustion Bowl 49.45

Ø92.00 mm.
92P03

Cyl	
1	54.00
	-13.90
	93.05



Combustion Bowl 50.05



28.00
72.00

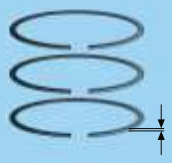


25.00
70.00

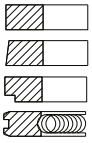


26.00
74.00

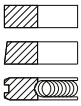




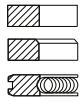
2.50
2.50
2.50
5.00



2.00
2.00
4.00



2.50
2.50
5.00



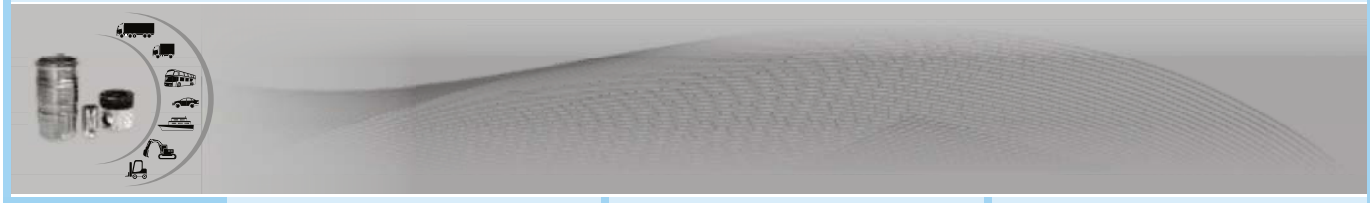


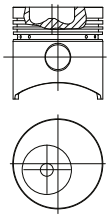
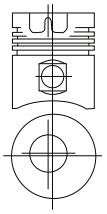
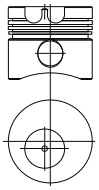
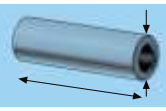
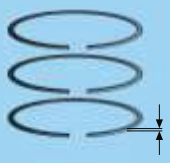
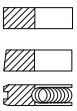
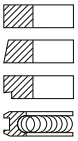
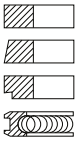


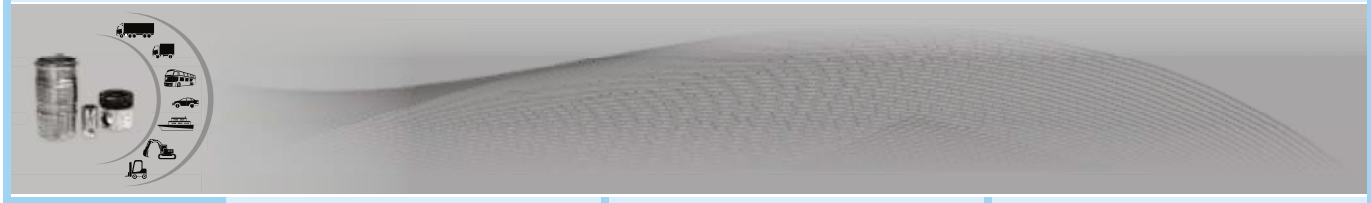
P 500 355 Std.
PR 500 355

P 500 365 Std.
PR 500 365

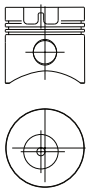
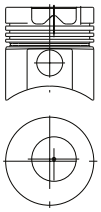
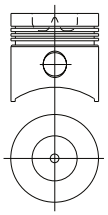
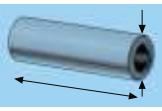
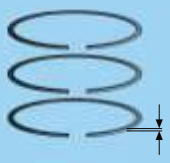
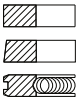
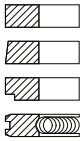
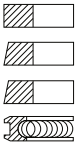
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PR 500 375 0.50
PR 500 375

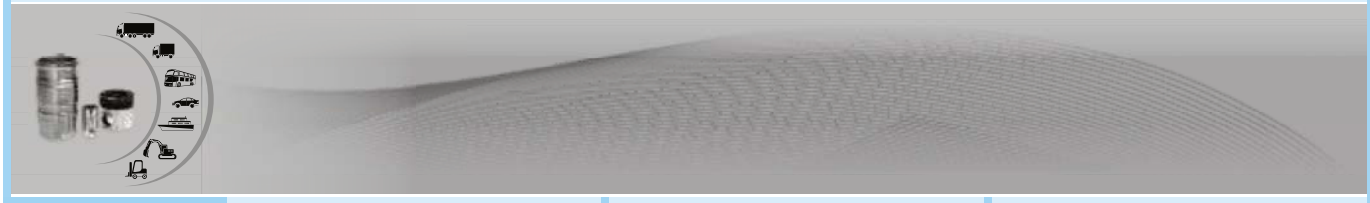


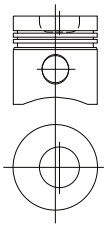
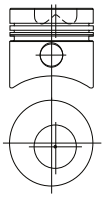
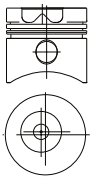
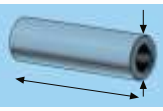
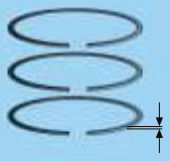
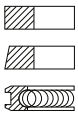
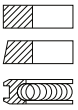
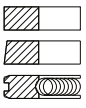
	31	Motor 4 LD 640, 638 ccm, 13 HP, 17:1 1965-1975 32	33
			
	**Ø92.00 mm.** 92P04 Cyl 52.60 -13.85 95.75  Combustion Bowl 53.00	**Ø 95.00 mm.** 95P10 Cyl. 65.00 1 -20.00 108.00  Combustion Bowl 44.00	**Ø 95.00 mm.** 95P11 Cyl. 58.00 -20.00 91.10  Combustion Bowl 43.45
	30.00 75.00 	28.00 78.00 	28.00 72.00 
	2.00 2.00 4.00 	3.00 Cr 3.00 3.00 5.00 Cr 	3.00 3.00 3.00 5.00 
			
	P 500 430 Std. PR 500 430	P 500 115 Std. P 500 115 0.50 P 500 115 1.00 PR 500 115	P 500 160 Std. P 500 160 0.50 P 500 160 1.00 PR 500 160

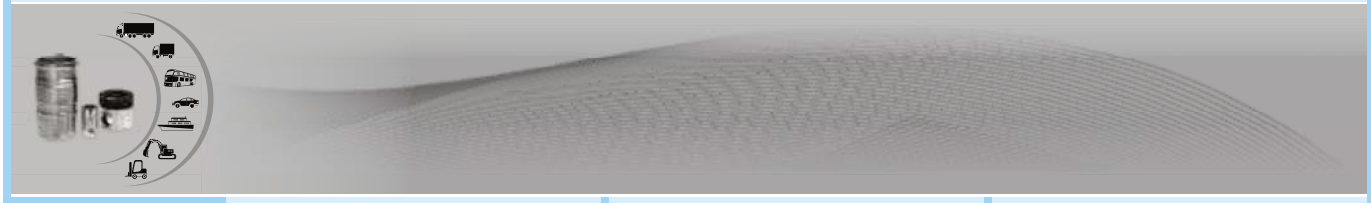


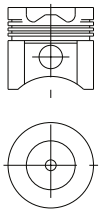
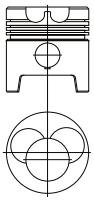
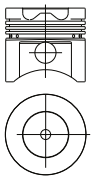
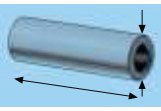
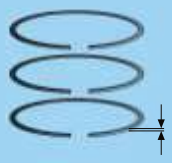
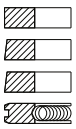
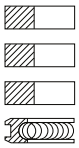
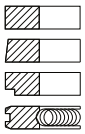


	Motor 8 LD 665 **34**	Motor 5LD 675-2 **35** 1346 ccm, 17.4:1, 21.5 kw (29 HP) **Motor 5LD 675-3** 2019 ccm, 17.4:1, 32.5 kw (44 HP) **Vehicle** Direct injection diesel	Motor Diesel Motor LDA 96 **36** **7.5 kw (10 PS)**
	**Ø95.00 mm.** 95P12 Cyl 58.00 1/2 -20.00 91.10  Combustion Bowl 43.85	**Ø 95.00 mm.** 95P13 Cyl. 60.00 1/2 -18.00 100.00  Combustion Bowl 48.00	**Ø 95.00 mm.** 95P14 Cyl. 49.97 1 -16.70 94.95  Combustion Bowl 43.05
	28.00 72.00 	28.00 74.00 	25.00 74.50 
	2.50 2.50 5.00 	3.00 3.00 3.00 5.00 	2.50 2.50 2.50 5.50 
			
	P 500 165 Std. PR 500 165	P 500 180 Std. PR 500 180	P 500 190 Std. PR 500 190



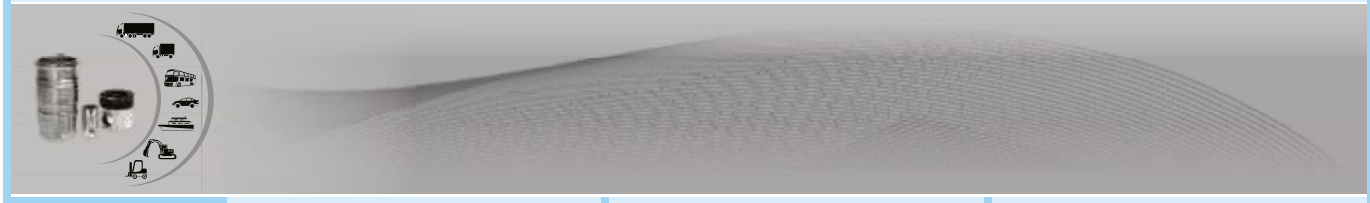
	37	Motor 9 LD 625 38	Diesel Motor 39
			
	**Ø 95.00 mm.** 95P15 Cyl. 59.00 1/2 -17.60 98.05  Combustion Bowl 45.10	**Ø 95.00 mm.** 95P16 Cyl. 52.00 1/2 -17.00 88.50  Combustion Bowl 48.25	**Ø95.00 mm.** 95P17 Cyl 52.00 1 -17.00 88.50  Combustion Bowl 48.25
	30.00 82.00 	25.00 70.00 	25.00 70.00 
	2.50 2.50 5.00 	2.50 2.50 5.00 	3.00 3.00 5.00 
			
	P 500 230 Std. PR 500 230	P 500 240 Std. PR 500 240	P 500 335 Std. PR 500 335



	40	Motor F 615 41	42
			
	**Ø95.00 mm.** 95P18 Cyl 55.00 -16.10 1/2 91.00  Combustion Bowl 54.30	**Ø 96.00 mm.** 96P01 Cyl. 61.00 -2.35 -18.70 106.00  Combustion Bowl 52.00	**Ø98.00 mm.** 98P07 Cyl 54.95 1 -14.30 91.00  Combustion Bowl 56.00
	26.00 68.00 	28.00 78.80 	26.00 68.00 
	2.50 2.50 2.50 5.00 	2.50 2.50 2.50 5.50 	2.50 2.50 2.50 5.00 
			
	P 500 400 Std. PR 500 400	P 500 150 Std. P 500 150 0.50 P 500 150 1.00 P 500 150 1.50 PR 500 150	P 500 315 Std. PR 500 315

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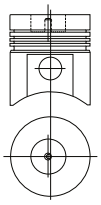
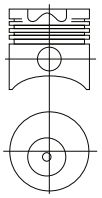
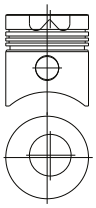
LOMBARDINI

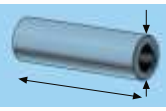




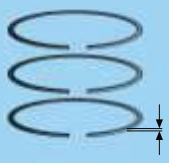
Motor LD 705, LDA 100 **43**	**Diesel Motor 5LD 825-2,** **44** 1649 ccm, 17.4:1, 25 kW (34 PS) **Diesel Motor 5LD 825-3,** 2474 ccm, 17.4:1, 38 kW (52 PS) **Diesel Motor 5LD 825-4,** 3299 ccm, 17.4:1, 48.5 kW (66 PS) **Vehicle** Direct Injection Diesel	Motor LDA 100 **45** Motor 4LD 705 New Design



Ø 100.00 mm. 100P34	**Ø 100.00 mm.** 100P35	**Ø 100.00 mm.** 100P36
Cyl. 65.00 2/4 -21.00 111.00	Cyl. 65.00 2/3/4 -21.00 102.00	Cyl. 65.00 1/2 -19.60 111.00
		
Combustion Bowl 43.20	Combustion Bowl 51.20	Combustion Bowl 49.18



28.00 75.00 	32.00 84.80 	28.00 74.00 

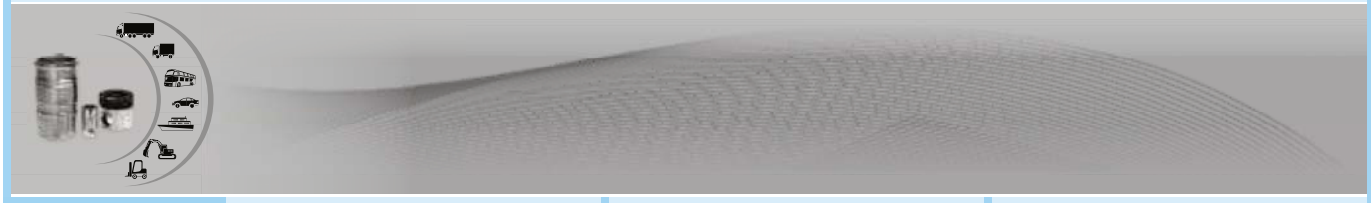


3.00 Cr 	3.00 Cr 	3.00 
2.50 	2.50 	2.50 
2.50 	2.50 	2.50 
5.00 	5.00 	5.00 



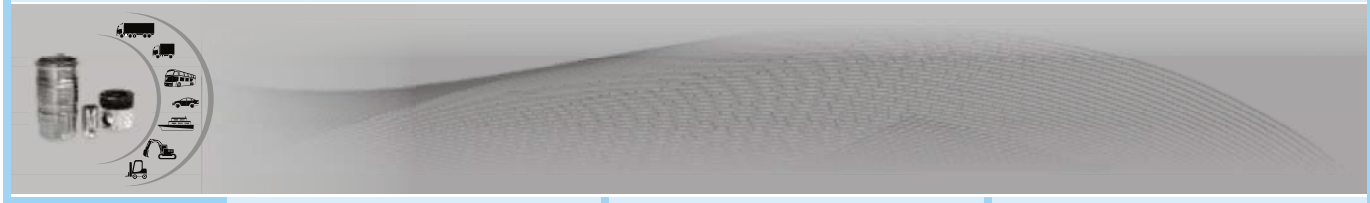


P 500 120 Std. P 500 120 0.50 P 500 120 1.00 PR 500 120	P 500 155 Std. P 500 155 0.50 P 500 155 1.00 P 500 155 1.50 PR 500 155	P 500 185 Std. PR 500 185





46	47	48
Ø 100.00 mm. 100P37 Cyl. 68.03 1/2 -21.15 122.00 Combustion Bowl 57.15	**Ø100.00 mm.** 100P38 Cyl 55.00 1 -17.50 129.40 Combustion Bowl 49.05	**Ø 100.00 mm.** 100P39 Cyl 65.00 1/2 -20.92 100.00 Combustion Bowl 51.00
35.00 84.80	28.00 84.00	32.00 85.00
2.50 2.50 3.00 5.00	2.50 2.50 2.50 5.00	2.50 2.50 3.50
P 500 200 Std. PR 500 200	P 500 250 Std. PR 500 250	P 500 395 Std. PR 500 395

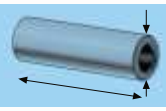




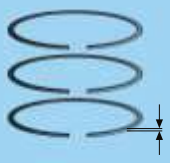
49	50	51
	Motor 6001 1570-2356 ccm, 24-36-43 kW , (33-49-59 PS), 16.55:1 **Vehicle** Holder	



Ø100.00 mm. 100P40	**Ø100.00 mm.** 100P41	**Ø100.00 mm.** 100P42
Cyl 1/2 63.00 -18.05 105.00	Cyl 2/3 60.00 -14.80 96.50	Cyl 69.04 -21.60 118.99
Combustion Bowl 57.00	Combustion Bowl 60.00	Combustion Bowl 51.50



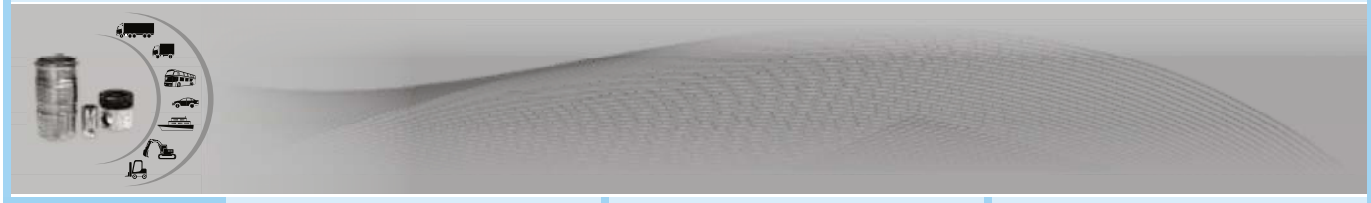
30.00 86.00	32.00 84.00	35.00 80.00

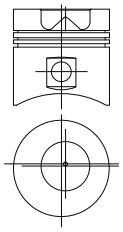
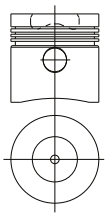
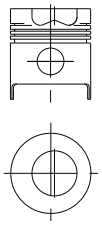
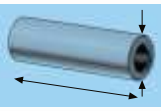
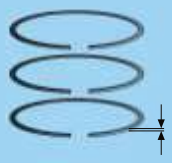
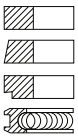
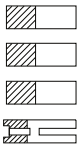
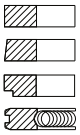


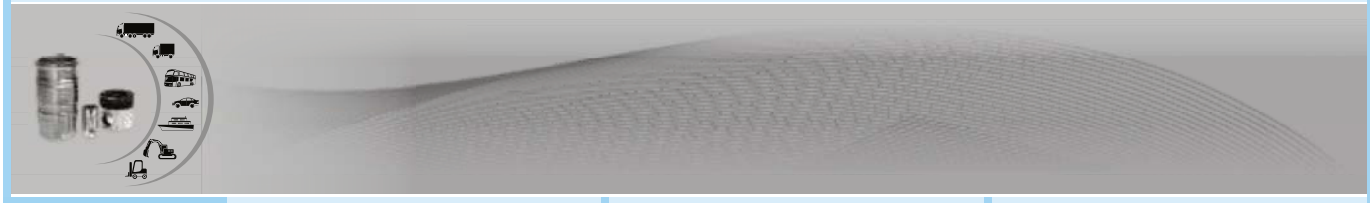
2.50 2.50 2.50 5.00	2.50 2.50 5.00	2.50 2.50 2.50 5.00

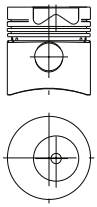
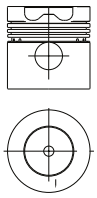
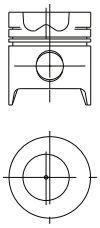
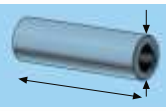
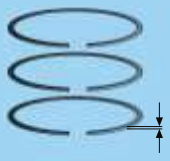
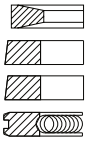
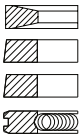
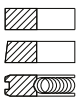


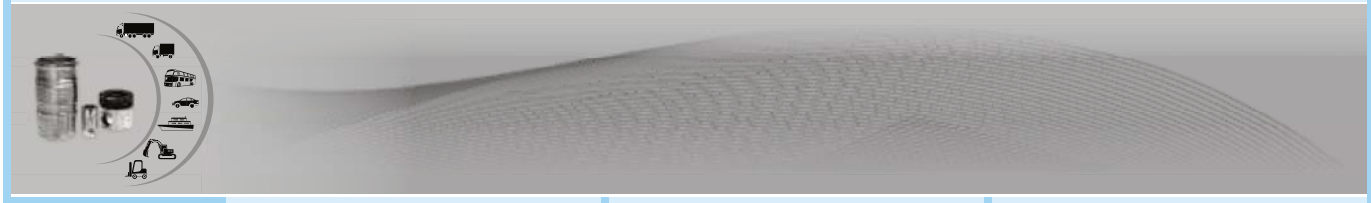
P 500 405 Std. PR 500 405	P 500 435 Std. PR 500 435	P 500 445 Std. PR 500 445



	52	53	54
	**Motor 4 LD 820** 837 ccm, 12 kW, (17 PS), **Vehicle** Tractor Başak 17		
	**Ø 102.00 mm.** 102P35 Cyl. 1 60.00 -18.00 102.00  Combustion Bowl 54.60	**Ø 105.00 mm.** 105P06 Cyl. 1/2 55.04 -18.00 105.46  Combustion Bowl 54.00	**Ø105.00 mm.** 105P07 Cyl 4 69.06 -21.70 118.95  Combustion Bowl 59.00
	28.00 80.00 	28.00 84.00 	35.00 90.00 
	3.00 Cr 2.50 2.50 5.00 	2.50 2.50 2.50 5.00 	2.50 2.50 2.50 5.00 
			
	P 500 125 Std. P 500 125 0.50 P 500 125 1.00 PR 500 125	P 500 195 Std. PR 500 195	P 500 225 Std. PR 500 225

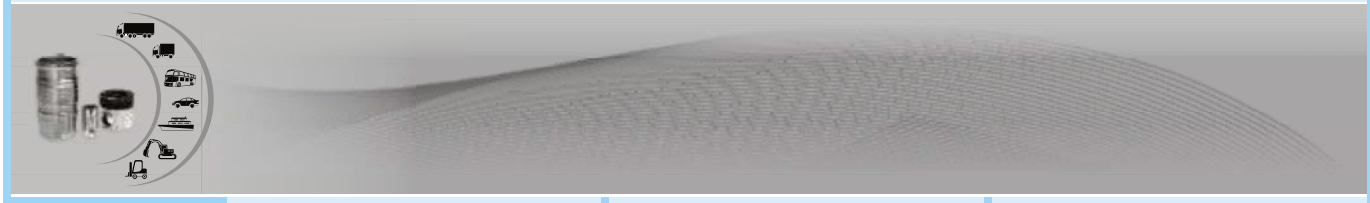


	55	56	57
			
	**Ø105.00 mm.** 105P08 Cyl 62.95 1 -21.55 111.00  Combustion Bowl 57.20	**Ø105.00 mm.** 105P09 Cyl 63.00 1 -17.55 105.00  Combustion Bowl 61.30	**Ø105.00 mm.** 105P10 Cyl 69.00 1 -24.00 119.00 CSY  Combustion Bowl 59.30
	35.00 90.00 	35.00 90.00 	35.00 90.00 
	3.00 2.50 2.50 5.00 	3.00 2.50 2.50 5.00 	2.50 2.50 5.00 
			
	P 500 255 Std. PR 500 255	P 500 260 Std. PR 500 260	P 500 390 Std. P 500 390 0.50 PR 500 390

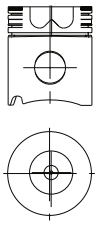
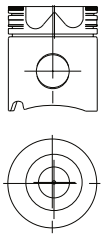
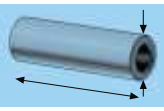
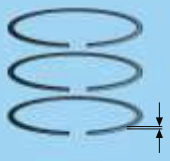
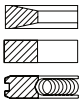
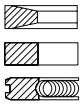


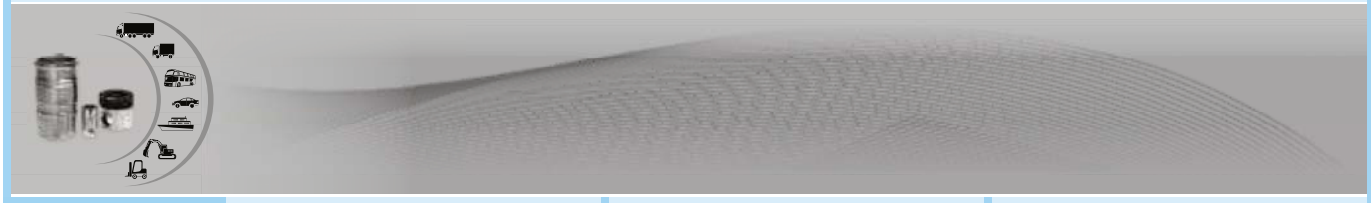


58	59	60
Ø106.00 mm. 106P01	**Ø130.00 mm.** 130P09	**Ø130.00 mm.** 130P10
Cyl 65.00 1 -20.40 102.00	94.34 -24.00 152.40	94.50 -24.00 152.50
	YPO	SKP YPO
Combustion Bowl 54.50	Combustion Bowl 73.20	Combustion Bowl 76.70
32.00 85.00	48.00 110.00	48.00 110.30
2.50 2.50 2.50 5.00	3.80 3.00 3.00 6.00	4.00 3.00 3.00 5.50
P 500 280 Std. PR 500 280	P 500 310 Std. PR 500 310	P 500 320 Std. PR 500 320

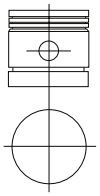
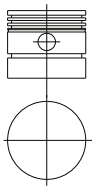
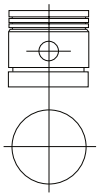
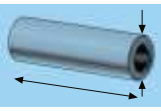
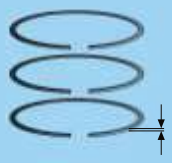
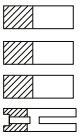
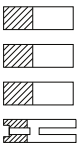
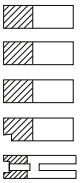


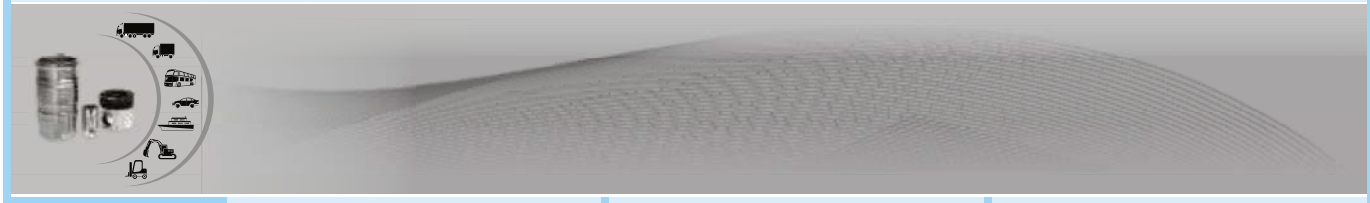


	61	62	
	**Ø130.00 mm.** 130P11 94.50 -32.95 152.60 CSY YPO  Combustion Bowl 67.00	**Ø130.00 mm.** 130P12 94.50 -27.50 152.50 CSY YPO  Combustion Bowl 72.00	
	48.00 110.00 	48.00 110.00 	
	3.95 3.00 4.00 	4.00 3.00 4.00 	
			
	P 500 330 Std. PR 500 330	P 500 420 Std. PR 500 420	



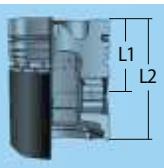


	Maksaş Kompresör 01	02	Maksa Kompresör 03
	**Ø 90.00 mm.** 90P10 Cyl. 36.00 1 76.00 ESP 	**Ø 90.00 mm.** 90P11 Cyl. 36.00 1 77.60 ESP 	**Ø 110.00 mm.** 110P11 Cyl. 60.00 1 105.00 ESP 
	20.00 80.00 	20.00 80.00 	30.00 95.00 
	3.00 3.00 3.00 4.00 	3.00 3.00 3.00 5.00 	4.00 4.00 4.00 4.00 5.00 
			
	P 501 105 Std. PR 501 105	P 501 115 Std. PR 501 115	P 501 100 Std. PR 501 100



04





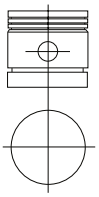


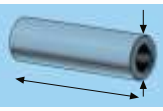


Ø 110.00 mm.
110P12

Cyl.	60.00
1	90.00

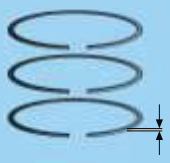
ESP



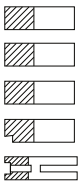


24.00
95.00





3.00
3.00
3.00
3.00
5.00



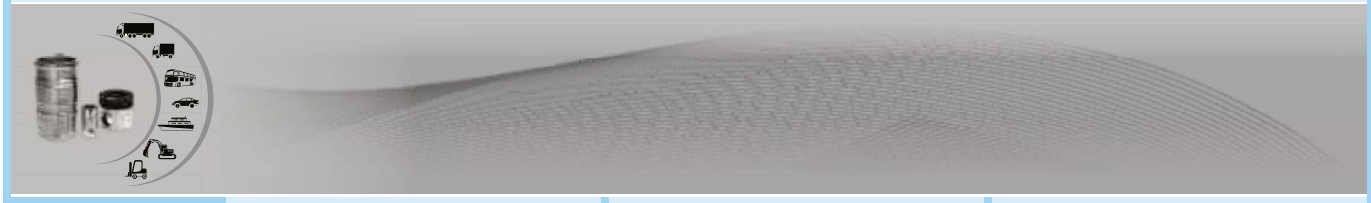




P 501 110 Std.
PR 501 110

L

LUPAMAT





Motor 599 **01**
3017 ccm, 51.5-55-62.5 kW (70-75-85 PS), 18:1
Vehicle MAN 207, 475, 1967-1969

Motor D 0022 M, 161 **02**
1960 ccm, 19 kW, (26 PS), 18:1
Motor D 0024 M, 227
3920 ccm, 45 kW, (61 PS), 18:1
Motor D 0026 M,
5890 ccm, 59-63 kW, (76-126 PS), 18:1
Vehicle Baureihe 415, 420, 520, 530, 535, 545, 4 N 1, 4 S 2, 4 R 2, A 30 AH, 3600, 4200, 4800, 6.115, 1957-1968

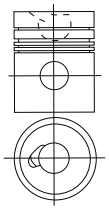
Motor D 0846 HM,/HMY **03**
7252 ccm, 93-115-118 kW (127-156-160 PS), 18:1
Vehicle Baureihe 8.156, 9.156, 8.160, 9.160, 13.168, 15.168, 16.168, 750 Ho-SL, U 590, SG 192, SL 192, CR 160, 1969-1973



Ø 98.00 mm.
98P08

Cyl. 75.38
4 -34.00
119.38

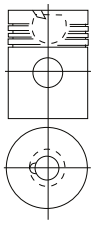
CSY



Ø 100.00 mm.
100P43

Cyl. 78.30
2/4/6 -39.50
134.70

CSY

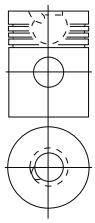


Combustion Bowl 37.00

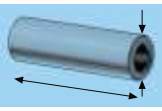
Ø 108.00 mm.
108P09

Cyl. 89.00
6 -41.80
145.50

CSY



Combustion Bowl 42.50



36.00
84.00

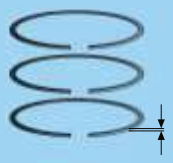


35.00
85.50

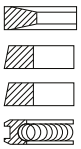


42.00
90.00

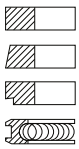




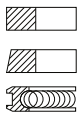
3.00 Cr
2.50
2.50
4.500



2.50 Cr
2.50
2.50
5.00

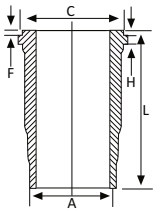


2.50 Cr
2.50
5.00

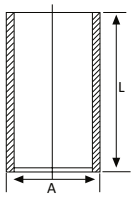




A = 106.75
C = 119.00
L = 218.75
H + F=8+0.7

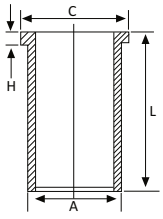


A = 106.00
L = 235.00



A = 112.99
C = 118.00
L = 254.00
H = 5.00

A = 113.49
C = 118.00
L = 254.00
H = 5.00

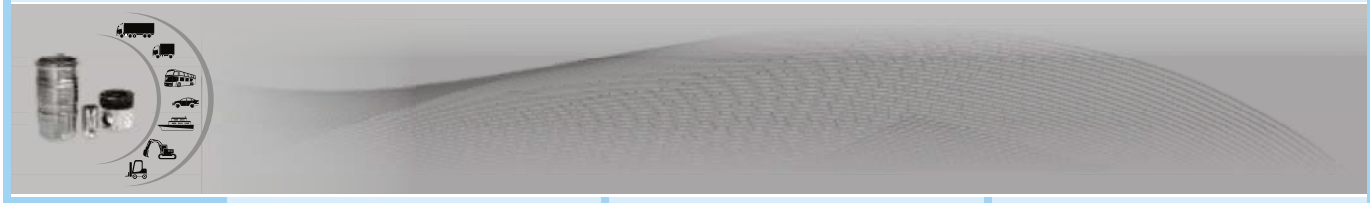




P 505 100 Std.
L 505 100
PR 505 100
K 505 100

P 505 105 Std.
L 505 105
PR 505 105
K 505 105

P 505 110 Std.
L 505 110
PR 505 110
K 505 110
L 505 111





Diesel Motor **04**
D 0824/0826 LFL01/02,
Euro 1, 16.5:1; 125 mm Hub
Vehicle 8.153 F, 9.153 F, 9.163 F, 10.163 F
Diesel Motor D 0826 GF 01/002,
6871 ccm, 169 kW (230 PS) 17:1;
Vehicle 17.232, 1988-

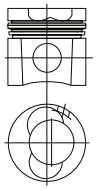
Motor 8060.25620 **05**
5861 ccm, 88-110 kW , (120-150 PS), 19.5:1
Vehicle Z 220 T, Z 230 T ,Z 340 T, Z 435 T, Z 450 T, 1986-

Motor D 2156, MGN/MY/MNY /MYN/HNY/HM 2/ HM 3/HM 9/HMN 9 **06**
10344 ccm, 141, 158, 169, kW, (192-215-230 PS7, 17:1
Vehicle Baureihe 9.192, 9.216, 10.215, 12.192, 12.215, 13.215, 16.192, 13.230, 15.192, 15.216, 16.186, 16.215, 21.215, 22.192, 22.215, 1966-1975



Ø 108.00 mm.
108P10

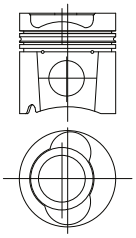
Cyl.	73.00
6/4	-1.70
	-21.25
	113.00
CSY	
YPO	



Combustion Bowl 63.00

Ø108.00 mm.
108P11

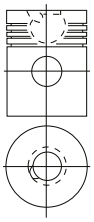
Cyl	73.00
4/6	-16.15
	-1.70
	113.00
CSY	
PAK	
YPO	



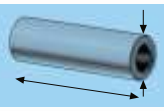
Combustion Bowl 70.00

Ø 121.00 mm.
121P01

Cyl.	94.00
6	-48.40
	162.00
CSY	



Combustion Bowl 47.15



40.00
90.00

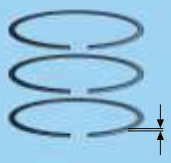


40.00
90.00

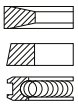


45.00
102.00

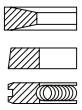




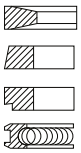
3.00 Cr
2.50
4.00 Cr



3.00 Cr
2.50
4.00 Cr

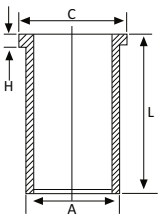


3.50 Cr
3.00
3.00
5.50 Cr

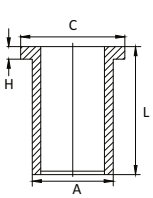




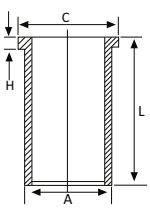
A = 111.49
C = 116.00
L = 217.00
H = 4.04



A =111.49
C =116.00
L =217.00
H = 4.04



A = 125.99
C = 132.00
L = 287.00
H = 8.00



A = 126.49
C = 132.00
L = 287.00
H = 8.00

A = 126.99
C = 132.00
L = 287.00
H = 8.00



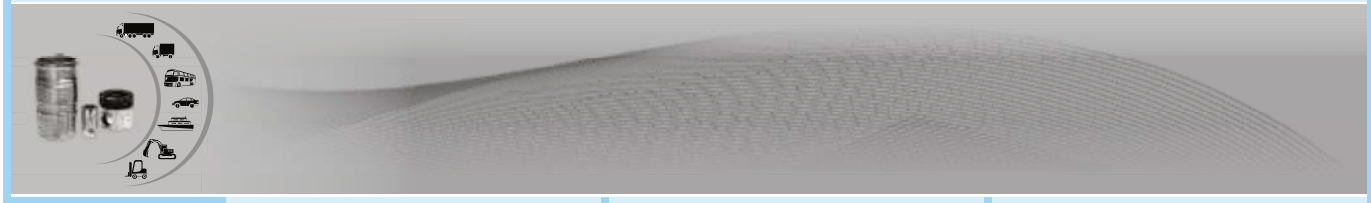
P 505 165 Std.
L 505 165
PR 505 165
K 505 165

P 505 220 Std.
P 505 220 0.50
L 505 220
PR 505 220
K 505 220

P 505 115 Std.
P 505 115 0.50
P 505 115 1.00
L 505 115
PR 505 115
K 505 115

L 505 116
L 505 117

M
MAN





Motor D 2156, HM-U 11/HMXU-036/-038 **07**
10344 ccm, 141 kW (192 PS), 20:1
Vehicle Baureihe 9.192, 12.192, 192
1969-1975

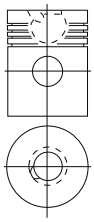
Motor D 2156 MTN 1,/MTX/MT 2 **08**
10344 ccm, 188 kW,
(256 PS), 16.5/17:1
Vehicle Baureihe 13.256, 16.256, 19.256, 22.256, 26.256, 30.256,
1968-1971

Motor D 2156 HMYU-038/ HMYU-036 **09**
10350 ccm, 141 kW, (192 PS), 17:1
Vehicle SL 192, SG 192, 10 Ü 212, 11 Ü 192, 12 Ü 192, 1973-1975



Ø 121.00 mm.
121P02

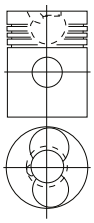
Cyl.	94.00
6	-46.00
	162.00
CSY	



Combustion Bowl 47.25

Ø 121.00 mm.
121P03

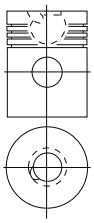
Cyl.	94.00
6	-2.40
	-48.35
	162.00
	93.80
	161.80
CSY	
KYA	93.60
PAK	161.60



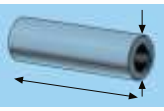
Combustion Bowl 47.20

Ø 121.00 mm.
121P04

Cyl.	94.00
6	-48.60
	162.00
CSY	



Combustion Bowl 47.00



45.00
102.00

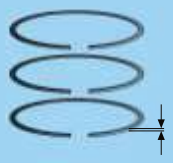


45.00
102.00

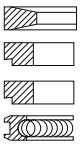


45.00
102.00

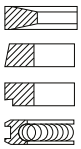




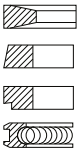
3.50 Cr
3.00
3.00
5.50 Cr



3.50 Cr
3.00
3.00
5.50 Cr

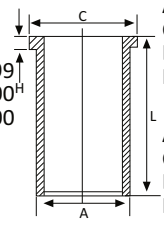


3.50 Cr
3.00
3.00
5.50 Cr





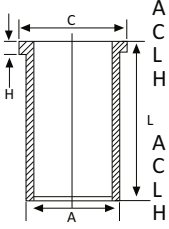
A = 125.99
C = 132.00
L = 287.00
H = 8.00



A = 126.49
C = 132.00
L = 287.00
H = 8.00

A = 126.99
C = 132.00
L = 287.00
H = 8.00

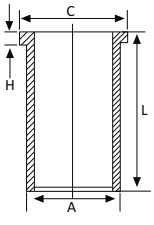
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C = 132.00
L = 287.00
H = 8.00



A = 126.49
C = 132.00
L = 287.00
H = 8.00

A = 126.99
C = 132.00
L = 287.00
H = 8.00

A = 125.99
C = 132.00
L = 287.00
H = 8.00



A = 126.49
C = 132.00
L = 287.00
H = 8.00

A = 126.99
C = 132.00
L = 287.00
H = 8.00



P 505 120 Std.
L 505 120
PR 505 120
K 505 120

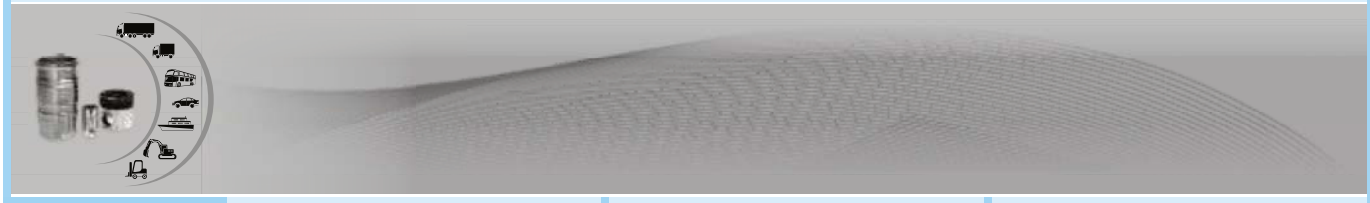
L 505 121
L 505 122

P 505 125 Std.
L 505 125
PR 505 125
K 505 125

L 505 126
L 505 127

P 505 130 Std.
L 505 130
PR 505 130
K 505 130

L 505 131
L 505 132





Motor D 2356, HMN2/M 9/ HM 9/HMN 9/HMHU -063 **10**
10690 ccm, 169 kW, (230 PS7, 17:1
Vehicle Baureihe 10.230, 12.230, 13.230, 16.230, 19.230, 22.230, 30.230, SG 192, SÜ 230, 11 Ü 192, 12 Ü 192, 1968-1974

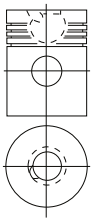
Motor D 2565, MUH **11**
9510 ccm, 141 kW (192 PS), 18:1
Vehicle Bus, 1978-08.1981
Motor D 2565 HM,/M/ME/MF/ MH/MUE/MUH/MUL
9510 ccm, 92-141 kW (125-192 PS), 17:1
Vehicle Baureihe 11.168, 13.168, 13.192, 14.168, 14.192, 15.168, 15.192, 16.168, 16.192, 19.192, 22.192, 10.1976-1985
Motor D 2566 MUH
11407 ccm, 177 kW, (240 PS), 17:1
Vehicle Baureihe 192, 200, 220, 240, 1978-08.1981
Motor D 2566 HM,/M/ME/MH/ MXF/MF/MFO/MHO/ME/MUM
11407 ccm, 125-177 kW (170-240 PS), 17:1
Vehicle Baureihe 15.240, 16.240, 19.240, 22.240, 26.240, 30.240, 32.240,10.1976-

Motor D 2555, M/MF/MX/MXF, **12**
9199 ccm, 123.5-141 kW (168-192 PS), 17:1 5 Cyl.
Vehicle Baureihe 11.168, 13.168, 13.192, 14.168, 14.192, 15.168, 15.192, 16.168, 19.168, 1973-1981
Motor D 2556 M/MF/MX/MXF, 11054 ccm, 147-162-176.5 kW, (200-220-240 PS), 17:1 6 Cyl.
Vehicle Baureihe 15.200, 15.240, 16.200, 16.240, 19.200, 19.240, 22.200, 22.240, 26.240, 30.240, SL 200, SD 200, SÜ 240, 1973-1981



Ø 123.00 mm.
123P01

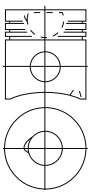
Cyl.	94.00
6	-50.50
	162.00
	161.80
	93.80
CSY	161.60
KYA	93.60
PAK	



Combustion Bowl 48.50

Ø 125.00 mm.
125P09

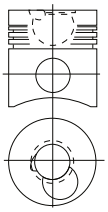
Cyl.	89.87
5/6	-43.97
	141.87
CSY	
YPO	



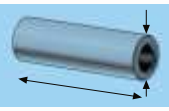
Combustion Bowl 49.50

Ø 125.00 mm.
125P10

Cyl.	92.40
5/6	-47.10
	-0.30
	137.40
CSY	
YPO	



Combustion Bowl 49.50



45.00
102.00

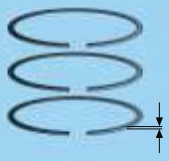


46.00
105.00

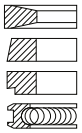


46.00
105.00

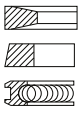




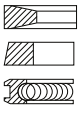
3.50 Cr
3.00
3.00
5.50 Cr



3.00 Cr
3.00
5.00 Cr



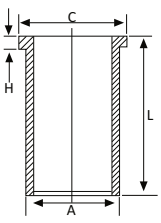
3.00 Cr
3.00
5.00 Cr





A = 125.99
C = 132.00
L = 287.00
H = 8.03

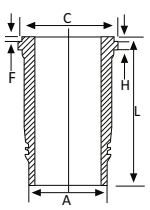
A = 126.49
C = 132.00
L = 287.00
H = 8.03



A = 140.00
C = 152.00
L = 270.00
H + F= 10.05+1

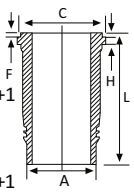
A = 140.00
C = 152.00
L = 270.00
H + F= 10.55+1

A = 140.50
C = 152.00
L = 270.00
H + F= 10.05+1



A = 140.00
C = 152.00
L = 270.00
H + F=10.05+1

A = 140.00
C = 152.00
L = 270.00
H + F=10.55+1



A = 140.50
C = 152.50
L = 270.00
H + F=10.05+1

A = 140.00
C = 152.00
L = 270.00
H + F=10.25+1



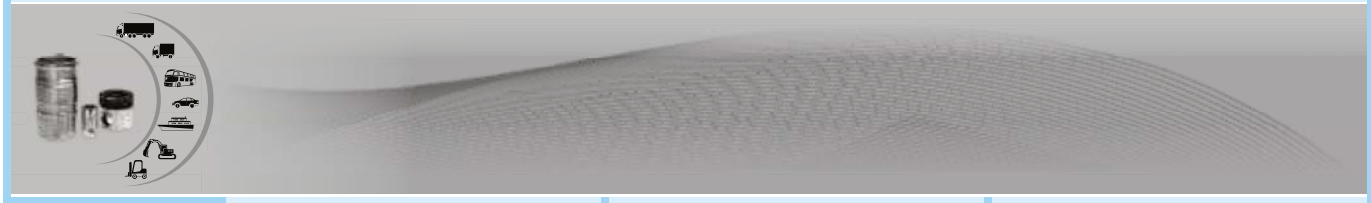
P 505 135 Std.
L 505 135
L 505 136
PR 505 135
P 505 135
K 505 135

P 505 140 Std.
L 505 140
L 505 141
L 505 142
PR 505 140
K 505 140

P 505 155 Std.
L 505 155
L 505 156
PR 505 155
K 505 155

L 505 157
L 505 158

M
MAN





Motor D 2538 M/MF/ME **13**
12756 ccm, 160-188 kw(218/256 PS), 17:1; 8 CYL.130 Hub Saug Motor
Vehicle 16.256, 19.256, 26.256, 30.256, 1972/76
Motor D 2530 MF/ME/MXF,
15945 ccm, 156/196/235 kw (212/267/320 PS), 17:1;10 CYL, 130 mm Hub, Saug Motor
Vehicle 16.320, 19.320, 20.320, 22.320, 26.320, 30.320, 32.320, 38.320, DFK-3875, DF-4525, DF-5170, 1972-81

Motor D 2530 ME **14**
15945 ccm, 235 kW, (360 PS), 17:1
Vehicle 16.320 1972 - 1981
Motor D 2530 MF
15945 ccm, 235 kW, (360 PS), 17:1
Vehicle 16.320 1972 - 1981
Motor D 2538 M
12756 ccm, 188 kW, (256 PS), 17:1
Vehicle 16.256 1972 - 1976
Motor D 2538 MF
12756 ccm, 188 kW, (256 PS), 17:1
Vehicle 16.256 1972 - 1976

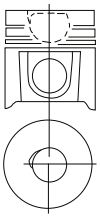
Motor D 2866 FZ,/K/KF/KFZ/ KU/KUL/KUH/KOH/LFZ/LF/LU/ LUL/LUH/LXF/TUH **15**
11967 ccm, 213-243-265 kW, (290-330-360 PS), 15:1
Vehicle Baureihe 16.290, 19.291, 19.292, 19.331, 19.332, 19.361, 19.362, 22.330, 22.331, 22.332, 22.360, 22.361, 22.362, 24.362, 26.281, 26.291, 26.331, 26.361, 30.291, 30.331, 30.361, 32.331, 32.361,34.291, 34.331, 280, 290, 292, 322, 332, 362, 363, 1983-



Ø 125.00 mm.
125P11

Cyl.	92.30
8/10	-44.90
	137.30

CSY

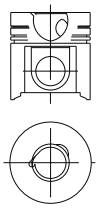


Combustion Bowl 47.40

Ø 125.00 mm.
125P12

Cyl	92.30
8/10	-44.90
	137.30

CSY

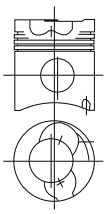


Combustion Bowl 47.30

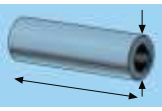
Ø 128.00 mm.
128P04

Cyl.	89.80
6	-2.30
	-32.20
	141.80

CSY
YPO



Combustion Bowl 69.80



46.00
97.00

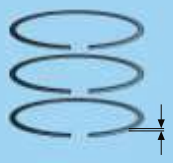


46.00
97.00

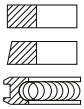


46.00
104.70

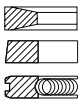




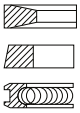
3.00 Cr
3.00
5.00 Mo



3.00
3.00
5.00

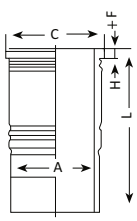


3.50 Cr
3.00
5.00 Cr

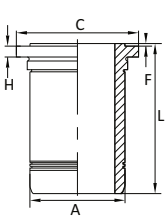




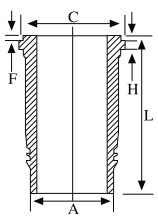
A = 140.00
C = 152.00
L = 253.00
H+F= 10.05+1
A = 144.50
C = 153.80
L = 253.00
H+F= 10.05+1
A = 140.00
C = 152.00
L = 253.00
H+F= 10.55+1



A = 140.00
C = 152.00
L = 253.00
H + F=10.05 + 1.00
A = 144.50
C = 153.80
L = 253.00
H + F=10.05 + 1.00
A = 140.00
C = 152.00
L = 253.00
H + F=10.55 + 1.00



A = 144.50
C = 153.80
L = 270.00
H + F=10.07+1
A = 144.50
C = 153.80
L = 270.00
H + F=10.57+1
A = 144.50
C = 153.80
L = 270.00
H + F=11.57+1

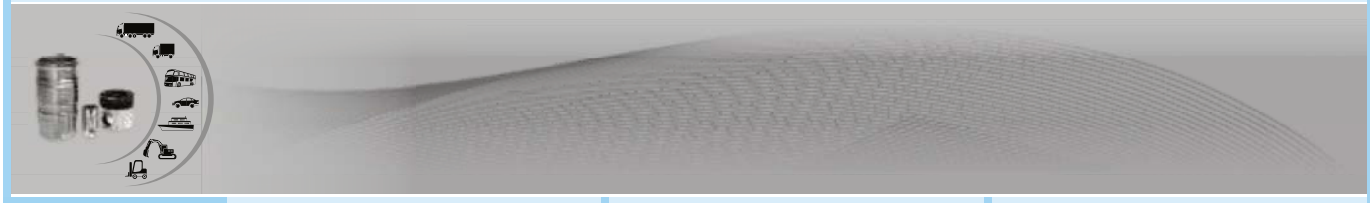




P 505 170 Std.
L 505 170
L 505 171
L 505 172
PR 505 170
K 505 170

P 505 190 Std.
L 505 190
L 505 191
L 505 192
PR 505 190
K 505 190

P 505 145 Std.
L 505 145
L 505 146
L 505 147
PR 505 145
K 505 145





Motor D 2866, UH/UM **16**
11967 CCM, 176 kW (290 PS), 17.5:1
Vehicle Baureihe 200, 202, 240, 242, 1985

Diesel Motor D 2865 L/LF, **17**
9972 ccm, 191-225 kW (260/320 PS)
15.5:1;
Vehicle 19.262, 19.332
Diesel Motor D 2866 LXF,
11967 ccm, 274 kW (372 PS) 15.5:1;
155 mm Hub
Vehicle 19.362, 24.362, 25.362, 1988-

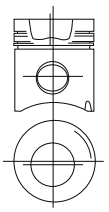
Motor D 2865 LF 02, D 286 LF 03, D 286 LF 04, **18**
D 2865 LF 06, D 2865 LU 01, D 2865 LU 02, D 2865 LU 03, D 2865 LU 04,
9972 ccm 221 kw (300 PS) 17:1;
Motor D 2865 LU 06,
8872 ccm 221 kw (300 PS) 17:1;
Motor D 2866 LF 02, D 2866 LF 03, D 2866 LF 05, D 2866 LF 06, D 2866 LF 09, D 2866 LH 02, D 2866 LU 01, D 2866 LU 03, D 2866 LU 04, D 2866 LXFG, D 2866 LXCH, D 2866 LXUH
11967 ccm 198 kw (269 PS) 155 mm



Ø 128.00 mm.
128P05

Cyl. 89.87
6 -31.07
141.87

CSY
YPO

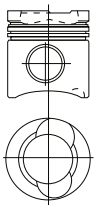


Combustion Bowl 67.00

Ø 128.00 mm.
128P06

Cyl. 89.75
5/6 -2.05
-24.40
141.75

CSY
YPO

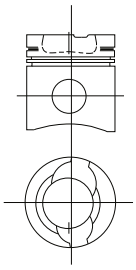


Combustion Bowl 75.50

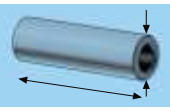
Ø 128.00 mm.
128P07

Cyl. 89.75
5/6 -2.10
-24.40
141.75

CSY
YPO



Combustion Bowl 81.00



46.00
104.70

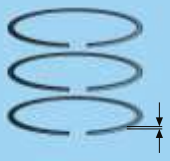


46.00
104.70

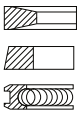


46.00
105.00

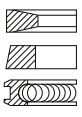




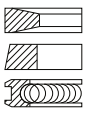
3.50 Cr
3.00
5.00 Cr



3.50 Cr
3.00
5.00 Cr



3.50 Cr
3.00
5.00 Cr

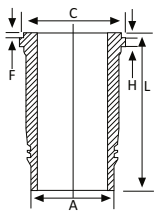




A = 144.50
C = 153.80
L = 270.00
H + F=11.57+1

A = 144.50
C = 153.80
L = 270.00
H + F=10.57+1

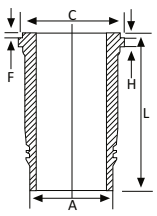
A = 144.50
C = 153.80
L = 270.00
H + F=10.07+1



A = 144.50
C = 153.80
L = 270.00
H + F=10.07+1.00

A = 144.50
C = 153.80
L = 270.00
H + F=10.57+1.00

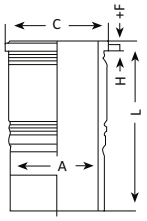
A = 144.50
C = 153.80
L = 270.00
H + F=11.57+1.00



A = 144.50
C = 153.80
L = 270.00
H+F= 10.07+1

A = 144.50
C = 153.80
L = 270.00
H+F= 10.57+1

A = 144.50
C = 153.80
L = 270.00
H+F= 11.57+1

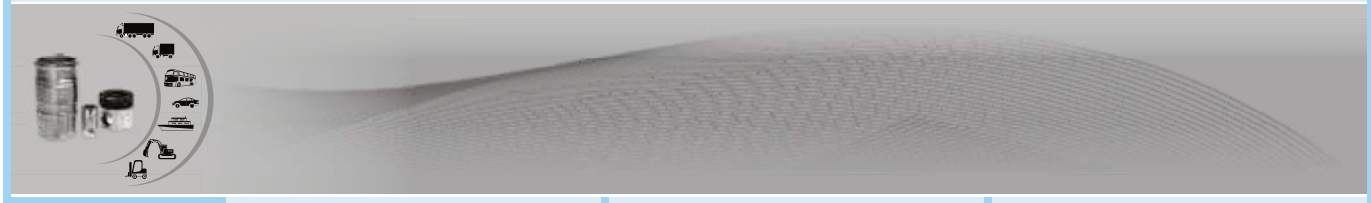


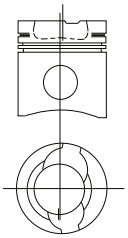
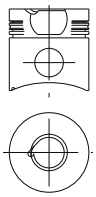
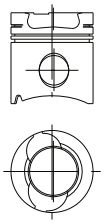
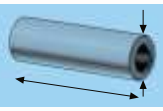
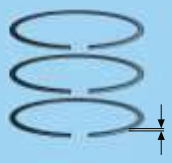
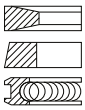
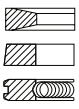
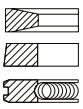
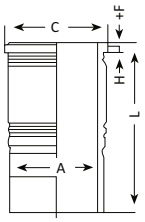
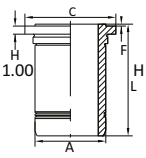


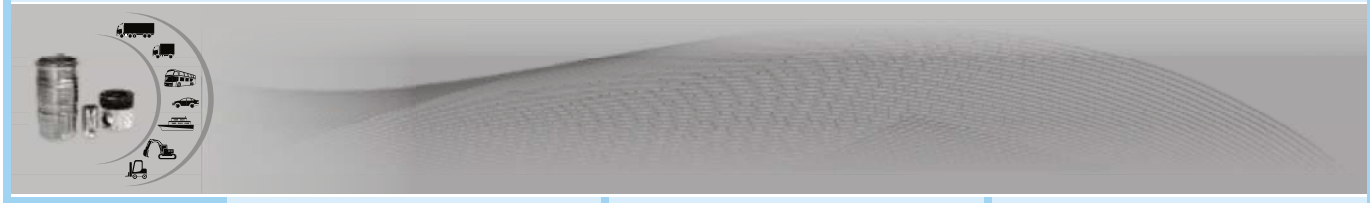
P 505 150 Std.
L 505 150
L 505 151
L 505 152
PR 505 150
K 505 150

P 505 160 Std.
L 505 160
L 505 161
L 505 162
PR 505 160
K 505 160

P 505 175 Std.
L 505 175
L 505 176
L 505 177
PR 505 175
K 505 175



	Dto. 19	20	Motor D 2865. L, LF 03, LF 04, LF 15,LU 01,LU 02,LU 03, LU 04, LU 22 21 9972 ccm, 221 kW, (301 PS), 16:1 **Vehicle** 19.361 FLS, 19.362 F, 19.362 FS, 19.422,24.362, 25.362 1987 - **Motor D 2865. LUH 08,** 9972 ccm, 235 kW, (320 PS), 16,5:1 **Vehicle** SG 322 1994 - 1997Uel 312, Uel 322 1992 - 1995SUE 322 1995 - 1997
			
	**Ø 128.00 mm.** 128P08 Cyl. 89.55 5/6 -2.10 -24.40 141.55 CSY 	**Ø 128.00 mm.** 128P09 Cyl 86.30 6 -41.00 131.30 86.10 131.10 85.90 130.90 CSY YPO KYA PAK KMP  Combustion Bowl 49.00	**Ø 128.00 mm.** 128P10 Cyl 89.75 6 - 2.10 -24.40 141.75 CSY  Combustion Bowl 76.70
	46.00 105.00 	46.00 105.00 	46.00 105.00 
	3.50 Cr 3.00 5.00 Cr 	3.50 3.00 5.50 	3.50 3.00 5.00 
	A = 144.50 C = 153.80 L = 270.00 H+F= 10.07+1 A = 144.50 C = 153.80 L = 270.00 H+F= 10.57+1 A = 144.50 C = 153.80 L = 270.00 H+F= 11.57+1 		A = 144.50 C = 153.80 L = 270.00 H + F=10.07 + 1.00 A = 144.50 C = 153.80 L = 270.00 H + F=10.27 + 1.00  A = 144.50 C = 153.80 L = 270.00 H + F=10.57 + 1.00 A = 144.50 C = 153.80 L = 270.00 H + F=11.57 + 1.00
	P 505 180 Std. L 505 180 L 505 181 L 505 182 PR 505 180 K 505 180	P 505 185 Std. PR 505 185	P 505 195 Std. L 505 195 L 505 196 PR 505 195 K 505 195 L 505 197 L 505 198





Motor D 2865 LF 02, **22**
9972 ccm,191-250 kW,(260 - 340 PS),
Vehicle 14.272 1991 - 1992
Motor D 2866 LF 04
11967 ccm, 191 - 344 kW,(260 - 468 PS),
Vehicle 19.302 1990 - 1991

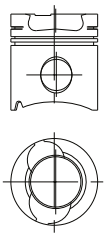
Motor D 2876, LF 02, **23**
12817 ccm, 338 kW, (460 PS), 17,1:1
Vehicle F 2000 1995 - 1999
19.462, FLS, 19.462 BL,
19.463 1995 -
Motor D 2876, LOH 01,
12816 ccm, 338 kW, (460 PS), 17,1:1
Vehicle F 2000 1995 - 1999
19.462, FLS, 19.462 BL,
19.463 1995 -
Motor D 2876, LUH 01,LUH 02,
12816 ccm, 294 kW, (400 PS), 17,1:1
Vehicle Turbo, LLK Einbaumotor

Motor D 2866, LF 03, **24**
12817 ccm, 338 kW, (460 PS), 16.75:1
Vehicle 19.464, 23.464, 26.464, 27.464, 28.464 33.464, 35.464, 41.464, 42.464, TG 460, 18.463 04/2000-
Motor D 2866, LF 04,
12817 ccm, 338 kW, (460 PS), 16.75:1
Vehicle TG 460, 18.463 04/2000-
Motor D 2866, LF 24,
11967 ccm, 265 kW, (360 PS), 19:1
Vehicle 19.364, 23.364, 26.364, 27.364, 28.364, 2000 - 32.364, 33.364, 35.364, 41.364, TG 360, F 2000, 1999 -



Ø 128.00 mm.
128P11

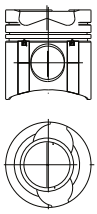
Cyl	89.75
5/6	- 2.10
	-24.40
	141.75
CSY	



Combustion Bowl 74.20

Ø 128.00 mm.
128P12

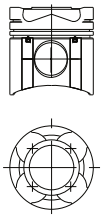
Cyl	79.25
6	-2.10
	-23.10
	134.25
CSY	
YPO	
KMP	



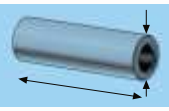
Combustion Bowl 80.00

Ø 128.00 mm.
128P13

Cyl	79.25
6	-1.90
	-21.74
	134.25
CSY	
YPO	
KMP	



Combustion Bowl 85.05



46.00
105.00

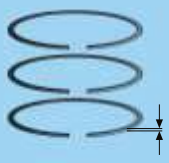


50.00
107.00

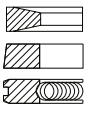


50.00
107.00

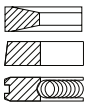




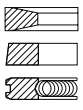
3.50
3.00
5.00



4.00
3.00
4.00



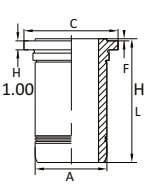
4.00
3.00
4.00





A = 144.50
C = 153.80
L = 270.00
H + F=10.07 + 1.00

A = 145.00
C = 154.30
L = 270.00
H + F=10.07 + 1.00

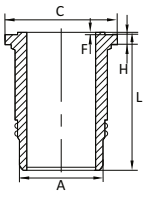


A = 144.50
C = 153.80
L = 270.00
H + F=10.27 + 1.00

A = 144.50
C = 153.80
L = 270.00
H + F=10.57 + 1.00

A = 144.50
C = 153.80
H = 10.07
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 10.27
F = 1.00
L = 270.00

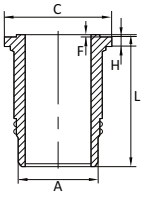


A = 144.50
C = 153.80
H = 10.57
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 11.57
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 10.07
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 10.27
F = 1.00
L = 270.00



A = 144.50
C = 153.80
H = 10.57
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 11.57
F = 1.00
L = 270.00



P 505 200 Std.
L 505 200
L 505 201
PR 505 200
K 505 200

L 505 202
L 505 203

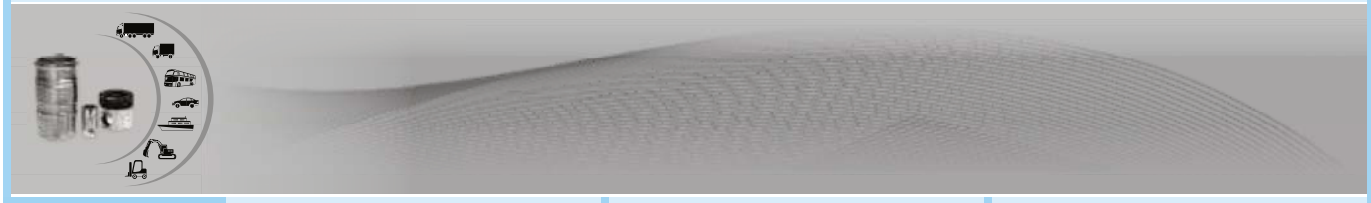
P 505 205 Std.
L 505 205
L 505 206
PR 505 205
K 505 205

L 505 207
L 505 208

P 505 210 Std.
L 505 210
L 505 211
PR 505 210
K 505 210

L 505 212
L 505 213

M
MAN





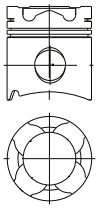
Motor D 2866, LF 23, **25**
11967 ccm, 228 kW, (310 PS), 19:1
Vehicle 19.314, 1998 - 23.314, 26.314, 27.314, 32.314, 33.314 1999 - F 2000 - 1999
TG 310, 2000 -
Motor D 2866, LF 24,
11967 ccm, 265 kW, (360 PS), 19:1
Vehicle 19.364, 23.364, 26.364, 27.364, 28.364, 2000 - 32.364, 33.364, 35.364, 41.364, TG 360, F 2000, 1999 -

Motor D2866 **26**
11967 ccm, 294-309 kW , (400-420 PS), 17:1
Vehicle LF 14-15-20 Euro 2
Turbo LLK F 2000



Ø 128.00 mm.
128P14

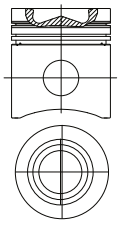
Cyl	89.75
6	-1.90
	-22.00
	141.75
	89.55
CSY	
YPO	89.35
ÇYA	89.15



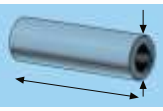
Combustion Bowl 80.00

Ø128.00 mm.
128P15

Cyl	89.75
6	-21.60
	-2.10
	141.75
CSY	
YPO	



Combustion Bowl 80.00

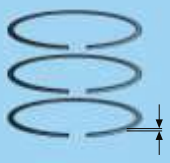


46.00
105.00

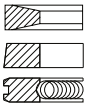


46.00
105.00

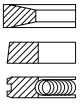




4.00
3.00
4.00



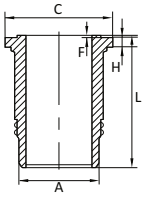
3.50 Cr P
3.00 P
5.00 Cr P





A = 144.50
C = 153.80
H = 10.07
F = 1.00
L = 270.00

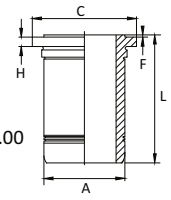
A = 144.50
C = 153.80
H = 10.27
F = 1.00
L = 270.00



A = 144.50
C = 153.80
H = 10.57
F = 1.00
L = 270.00

A = 144.50
C = 153.80
H = 11.57
F = 1.00
L = 270.00

A = 144.50
C = 153.80
L = 270.00
H + F=10.07 + 1.00



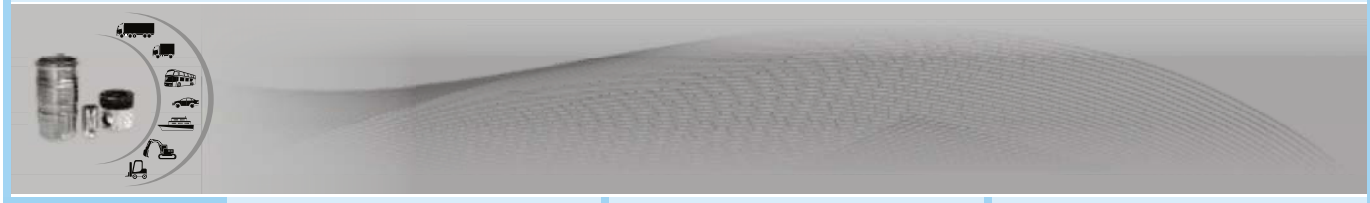


P 505 215 Std.
L 505 215
L 505 216
PR 505 215
K 505 215

L 505 217
L 505 218

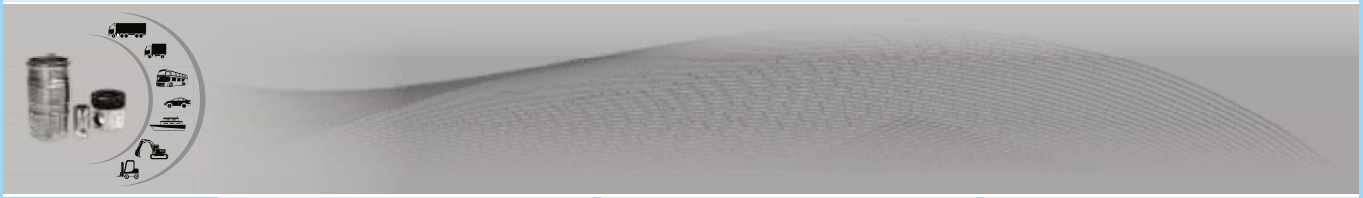
P 505 225 Std.
L 505 225
PR 505 225
K 505 225

M
MAN





01	02	03
	Motor R2 2184 ccm, 22.9:1 **Vehicle** B 2200, E 2200, 1984-	**Motor XB** 2701 ccm, **Vehicle** E 2700, EXC12S/43S, AEXC, Titan 2700, Truck, EXC12/13/42, 1972-1978
Ø 78.00 mm. 78P08	**Ø 86.00 mm.** 86P07	**Ø 92.00 mm.** 92P05
Cyl. 4 38.50 +3.00 75.40 PSP TÇP	Cyl. 4 42.75 -0.01 +1.60 86.250 PSP CSY KMP	Cyl. 4 60.50 116.00
20.00 65.00	25.00 68.00	30.00 75.00
1.50 Cr 2.00 4.00	2.00 Cr 2.00 4.00 Cr	2.38 Cr 2.38 2.38 4.760 Cr 4.760
	A = 90.000 L = 179.959	A = 96.916 C = 101.00 L = 191.10 H + F=3.8+0.8
P 515 120 Std. P 515 120 0.50 P 515 120 1.00 PR 515 120	P 515 100 Std. P 515 100 0.50 P 515 100 1.00 L 515 100 PR 515 100 K 515 100	P 515 105 Std. L 515 105 PR 515 105 K 515 105





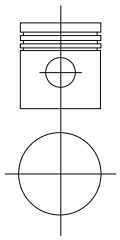
Motor HA **04**
2977 ccm, 21:1
Vehicle Parkway 26 Bus, TA3H4F, 1977-, SE Series 1981-, Titan 3000 Truck TA3HL/TA3H4 1977-1980, Truck Titan 3000 WEWOFL, E 3000 TA3H4, T 3000 1977-

Motor HA **05**
2977 ccm, 21:1
Vehicle Parkway 26 Bus, TA3H4F, 1977- SE Series 1981-, Titan 3000 Truck TA3HL/TA3H4 1977, 1980, Truck Titan 3000 WEWOFL, E 3000 ta3h4, t 300 1977-



Ø 95.00 mm.
95P19

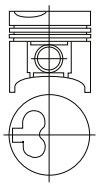
Cyl. 58.50
4 115.30

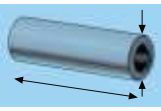


Ø 95.00 mm.
95P20

Cyl. 53.50
4 -2.30
100.50

CSY



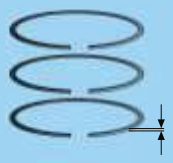


31.75
74.80

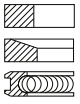


30.00
79.00

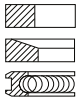




2.380 Cr
2.380 Cr
4.760 Cr

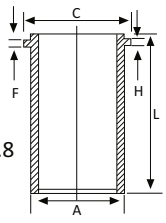


2.380 Cr
2.380
4.760

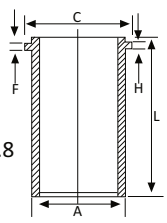




A = 96.916
C = 101.00
L = 167.10
H + F=3.8+0.8



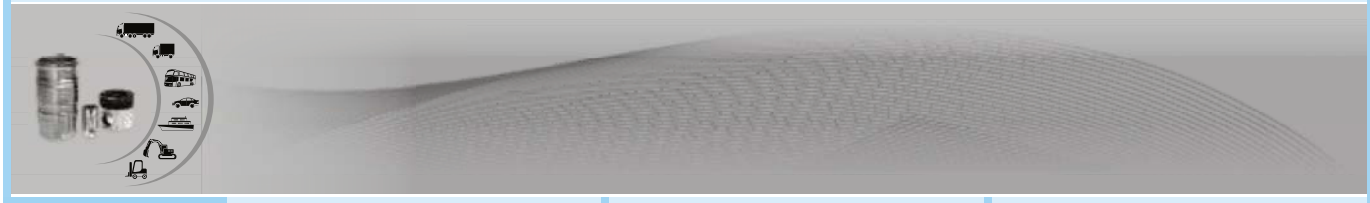
A = 96.916
C = 101.00
L = 167.10
H + F=3.8+0.8





P 515 110 Std.
L 515 110
PR 515 110
K 515 110

P 515 115 Std.
L 515 115
PR 515 115
K 515 115





Motor OM 636.914/.915/.916/.918/.919 /.930/.931/.934, **01**
1767 ccm, 23.5-31.5 kW, (32-43 PS) 19:1
Vehicle 170 DA/DS, 180 D/Db, L 319 D, O 319 D, Unimog, 411.110-118/ -119-120, U 34, 401, 402, 1951-1961

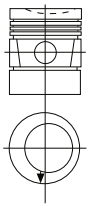
Motor M 110.921/.922/ .923/.924/.926, 2746 ccm **02**
115/118 kw (156/160 PS) 8.7/9:1;
Vehicle 280, 1972-85
Motor M 110.981/.982/.983/.984/.985/.986/. 987/.988/.989/.990,
2746 ccm, 130/136 kw (177/185 PS), 8.7/9:1; K Jetronic
Vehicle 280 E, 1972-86

Motor M 130.920/.921/.923/.924/.933, **03**
2778 ccm 87-125 kw (118-170 PS), 8,7/9,5:1;
Vehicle 280 S, 250 C, U 110/404.0, 1968-72



Ø 75.00 mm.
75P08

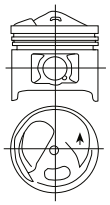
Cyl.	45.00
4	-3.90
	89.00
ESP	



Combustion Bowl 52.40

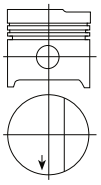
Ø 86.00 mm.
86P08

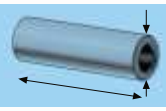
Cyl.	42.65
6	-3.80
	14.34
	89.04
PSP	42.40
KYA	-3.80
TÇP	14.34
	88.79



Ø 86.50 mm.
86P22

Cyl.	49.20
6	-1.30
	81.20
	48.60
	-1.30
PSP	80.60
TÇP	
KYA	





22.00
63.50

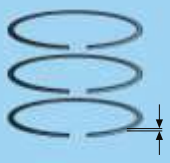


23.00
69.00

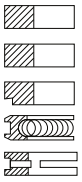


25.00
75.00

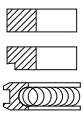




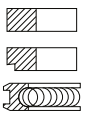
2.00 Cr
2.00
2.00
5.00
5.00



1.75 Mo
2.50 Mo
4.00 Cr

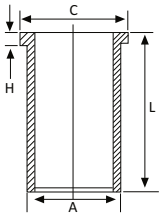


2.00 Mo
2.50 Mo
4.00 Cr





A = 78.00
C = 81.00
L = 189.00
H = 4.00

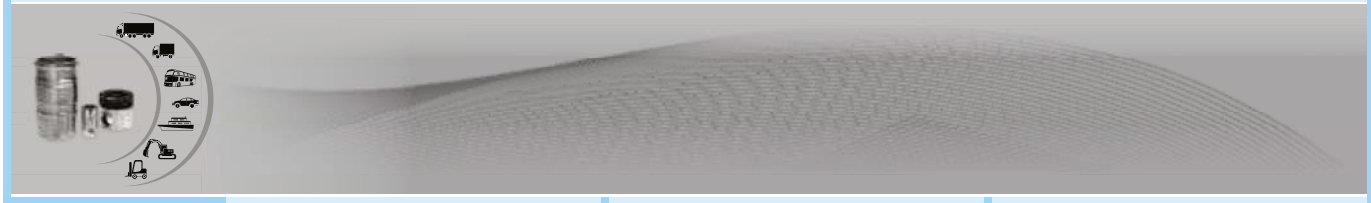




P 510 275 Std.
P 510 275 0.50
P 510 275 0.75
P 510 275 1.00
P 510 275
L 510 275
PR 510 275
K 510 275

P 510 345 Std.
P 510 345 0.50
P 510 345 1.00
PR 510 345

P 510 335 Std.
P 510 335 0.50
P 510 335 1.00
P 510 335 1.50
PR 510 335





Motor OM601, .912 **04**
1997 ccm, 53 kW (72 PS), 22:1
Vehicle 190 D, 200 D, 06.1984-
Motor OM602, .911/.912/
2497 ccm, 62-66 kW, (84-90 PS), 22:1
Vehicle 250 D, 190 D 2.5, 310 D, 410 D, 12.1984-
Motor OM603, .912/.913
2996 ccm, 80 kW, (109 PS), 22:1
Vehicle 300 D, 12.1984-

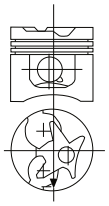
Motor OM615, .913/915 **05**
1988 ccm, 40.5 kW, (55 PS), 22:1
Vehicle 200 D, L 206 D, L 306 D, 1968-1970

Motor OM615, .940/.943/944 **06**
1988 ccm, 40.5 kW (55 PS), 21:1
Vehicle 200 D, 206 D, L 306 D, 1971-01.1979



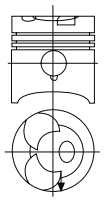
Ø 87.00 mm.
87P03

Cyl.	44.85
4/5/6	-1.05
	-1.25
	-9.05
	74.85
PSP	
CSY	



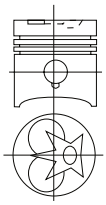
Ø 87.00 mm.
87P04

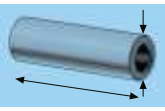
Cyl.	52.90
4	-1.00
	-3.35
	-6.00
	91.40
PSP	
CSY	



Ø 87.00 mm.
87P05

Cyl.	52.90
4	-1.00
	-6.15
	91.40
PSP	
CSY	





26.00	
55.00	

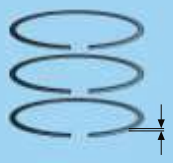


26.00	
72.00	

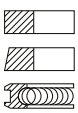


26.00	
72.00	

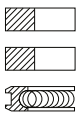




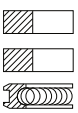
2.00 Cr	
2.00	
3.00 Cr	



3.00 Mo	
2.00	
4.00 Cr	

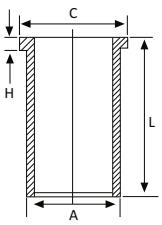


3.00 Mo	
2.00	
4.00 Cr	



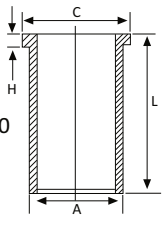


A = 90.00
C = 92.55
L = 148.60
H = 4.70



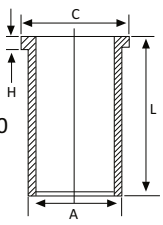
A = 90.00
C = 92.00
L = 158.40
H = 4.70

A = 90.25
C = 92.00
L = 158.40
H = 4.70



A = 90.00
C = 92.00
L = 158.40
H = 4.70

A = 90.25
C = 92.00
L = 158.40
H = 4.70





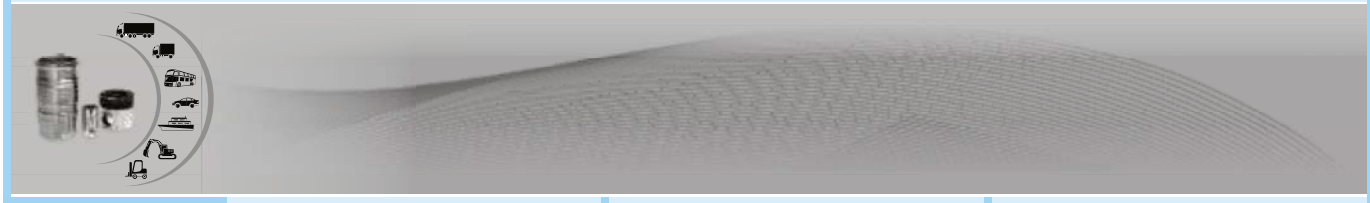
P 510 100 Std.
P 510 100 0.50
L 510 100
PR 510 100
K 510 100

P 510 105 Std.
P 510 105 0.50
P 510 105 0.75
P 510 105 1.00
L 510 105
PR 510 105
K510 105

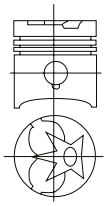
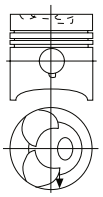
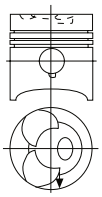
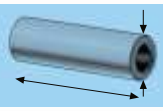
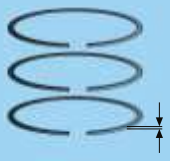
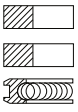
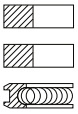
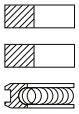
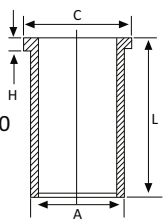
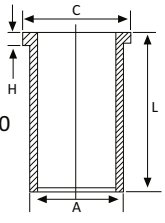
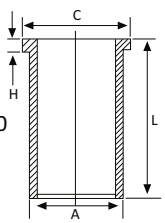
L 510 106

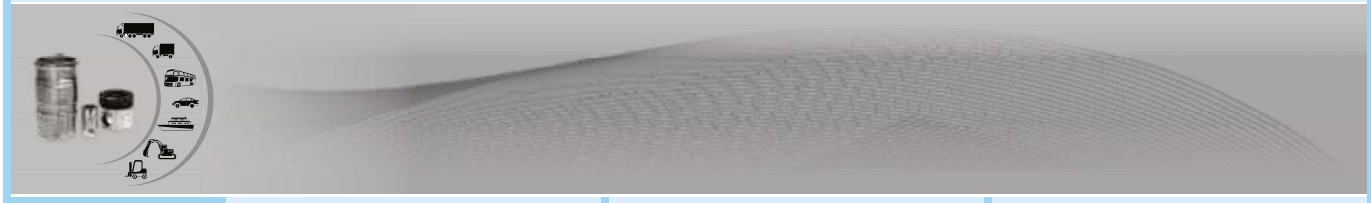
P 510 110 Std.
P 510 110 0.50
P 510 110 1.00
L 510 110
PR 510 110
K 510 110

L 510 111





	Motor OM615, .940/.943/.944 **07** 1988 ccm, 44 kW, (60 PS), 21:1 **Vehicle** 200 D,L 206 D, L 306 D, 02.1979-	**Motor OM615, .910/.912/.916/ .917/.919/.916/.930/.937/.938/.939/.** **08** 2197 ccm, 37.5-44 kW (51-60 PS), 21:1 **Vehicle** 220 D, 206 D, 306 D, 309 D, 406 D, 407 D, O 309 D, 421, 1968-1972	**Motor OM615.918/.941** **09** 2197 ccm, 41-44 kW, (55.5-60 PS), 21:1 **Vehicle** 220 D, O 309 D, 206 D, 306 D, 406 D, 01.1972-12.1978
	**Ø 87.00 mm.** 87P06 Cyl. 52.90 4 -1.20 -9.06 91.40 PSP CSY 	**Ø 87.00 mm.** 87P07 Cyl. 48.25 4 -1.10 -3.60 -6.35 89.65 PSP CSY 	**Ø 87.00 mm.** 87P08 Cyl. 48.25 4 -1.10 -3.60 -6.35 89.65 PSP CSY 
	26.00 72.00 	26.00 72.00 	26.00 72.00 
	2.00 Cr 2.00 4.00 Cr 	3.00 Mo 2.00 Mo 4.00 Cr 	2.00 Cr 2.00 4.00 Cr 
	A = 90.00 C = 92.00 L = 158.40 H = 4.70  A = 90.25 C = 92.00 L = 158.40 H = 4.70	A = 90.00 C = 92.00 L = 158.40 H = 4.70  A = 90.25 C = 92.00 L = 158.40 H = 4.70	A = 90.00 C = 92.00 L = 158.40 H = 4.70  A = 90.25 C = 92.00 L = 158.40 H = 4.70
	P 510 115 Std. P 510 115 0.25 P 510 115 0.50 L 510 115 L 510 116 PR 510 115 K 510 115	P 510 120 Std. P 510 120 0.50 P 510 120 0.75 P 510 120 1.00 L 510 120 L 510 121 PR 510 120 K 510 120	P 510 125 Std. P 510 125 0.50 L 510 125 L 510 126 PR 510 125 K 510 125





Motor OM 611 960 **10**
2151 ccm, 75-92 kW , (102-125 PS), 19:1
OM 611 980 EURO3
2151 ccm, 60-90 kW , (82-121 PS), 19:1
OM 613 960
3222 ccm, 150 kW , (197-204 PS), 18:1
Turbo

Vehicle C200 1988-2001
VITO 108-110-220
S320 1999
E320 1999

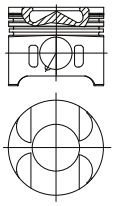
Motor M 103, .980 **11**
2962 ccm, 130-140 kW, (177-190 PS), 9-10:1
Motor M 103, .981/.982/.983/.985,
2962 ccm, 132.5 kW, (180 PS), 9.2:1
Vehicle 300 E, 06.1985-

Motor M 102, .920/.922 **12**
1997 ccm, 80 kW, (109 PS), 9:1
Vehicle 200, 09.1983-
Motor M 102, .921/.924
1997 ccm, 66-77 kW, (90-105 PS), 9-9.1:1
Vehicle 190, 01.1984-
Motor M 102, .961/.962/.963/.964/.965
1997 ccm, 80-90 kW, (109-122 PS), 9.1:1
Vehicle 190 E, 200 E, 200 GE, 01.1984-



Ø88.009 mm.
88P13

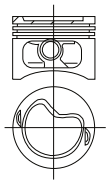
Cyl	42.30
4/6	-13.80
	-2.12
	-1.79
	72.30
CSY	
SKP	



Combustion Bowl 43.50

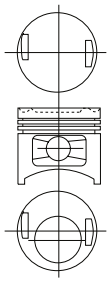
Ø 88.50 mm.
88P14

Cyl.	33.00
6	-2.70
	66.00
	33.00
	-3.30
	66.00
PSP	
	33.00
	-3.60
	66.00

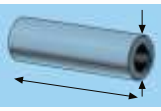


Ø 89.00 mm.
89P01

Cyl.	43.20
4	-1.72
	-2.24
	79.70
	42.90
	-1.42
	-1.94
PSP	-1.20
KYA	79.40
	42.90
	-1.42
	-1.94
	-1.60
	79.40



Combustion Bowl 50.00



30.00
70.00

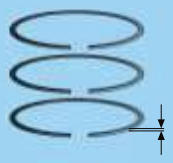


22.00
52.00

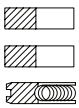


22.00
56.00

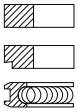




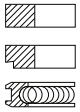
2.50
2.00
3.00



1.50 Cr
1.75
3.00 Cr

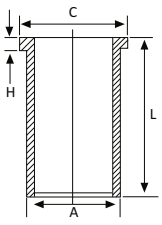


1.75 Mo
2.00
3.50 Cr





A = 92.00
C = 94.50
L = 146.10
H = 4.60

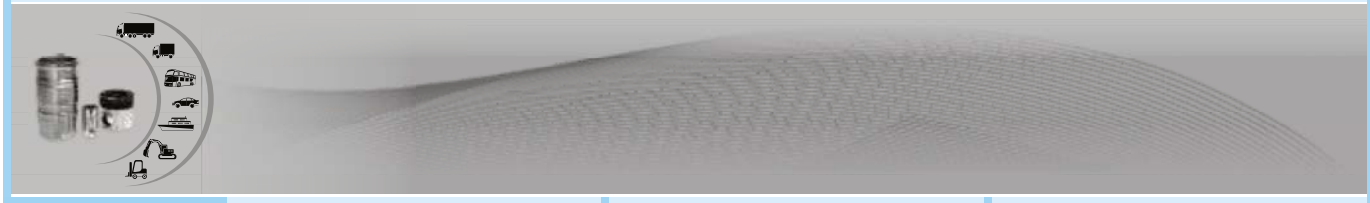




P 510 450 Std.
P 510 450 0.50
PR 510 450

P 510 130 Std.
P 510 130 0.50
P 510 130 1.00
PR 510 130

P 510 135 Std.
P 510 135 0.25
P 510 135 0.50
P 510 135 1.00
L 510 135
PR 510 135
K 510 135

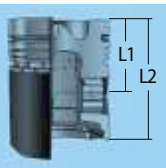




Motor M 102, .921, **13**
1996 ccm, 66 kW, (90 PS), 9:1
Vehicle 190, 12.1982-12.1983
Motor M 102, .920
1997 ccm, 80 kW, (109 PS), 9:1
Vehicle 200, 06.1980-08.1983
Motor M 102, .961
1996 ccm, 90 kW, (122 PS), 9.1:1
Vehicle 190 E, 12.1982-12.1983

Motor M111 E 22.960-961 **14**
R 4 2199 ccm, 110 kW , (150 PS), 9,8:1
Vehicle
220 E 1992 - 1993
C, E 220 01/ 1993

Motor M104 E **15**
32.980,981,990,994
32.991,992,995
R 6 3199 ccm, 170 kW , (231 PS), 10:1
Vehicle 300 SE 1991-1993
320E 1992-1993
S320, SL320 1994-1998
G320 1994

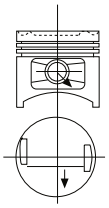






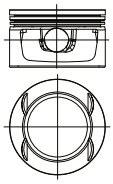
Ø 89.00 mm.
89P02

Cyl.	43.20
4	-1.00
	83.20
PSP	



Ø89.90 mm.
89P03

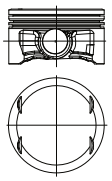
Cyl	32.90
4	-1.50
	-1.99
	-2.98
	59.90
KYA	32.60
PSP	-1.95
	-1.96
	-2.95
	59.60
	32.60
	-2.05
	-1.96
	-2.95
	59.60



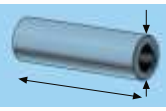
Combustion Bowl 70.00

Ø89.90 mm.
89P04

Cyl	31.125
4	-1.20
	-1.62
	-2.42
	56.125
KYA	30.825
	-1.20
	-1.62
	-2.42
	55.825



Combustion Bowl 74.00



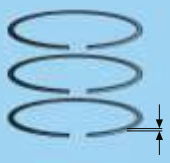
24.00
62.00



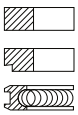
22.00
56.00

22.00
56.00

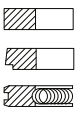




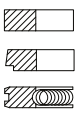
1.75 Mo
2.00
3.50 Cr



1.50 IF
1.75
3.00



1.50 IF
1.75
3.00



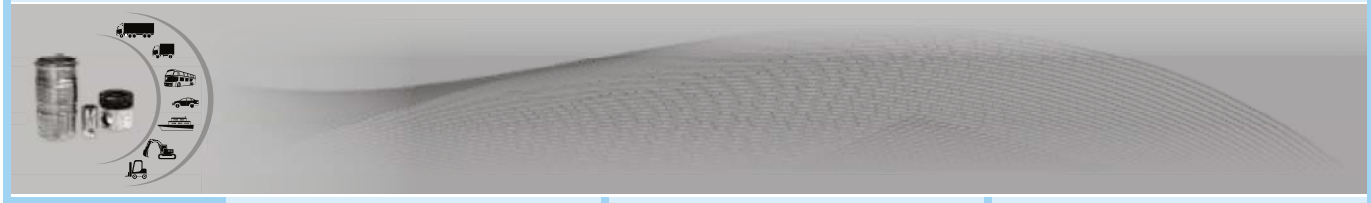




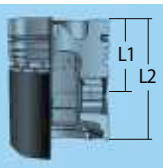
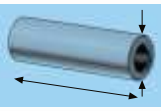
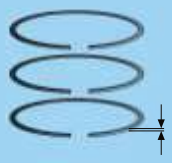
P 510 270 Std.
P 510 270 0.50
P 510 270 1.00
PR 510 270

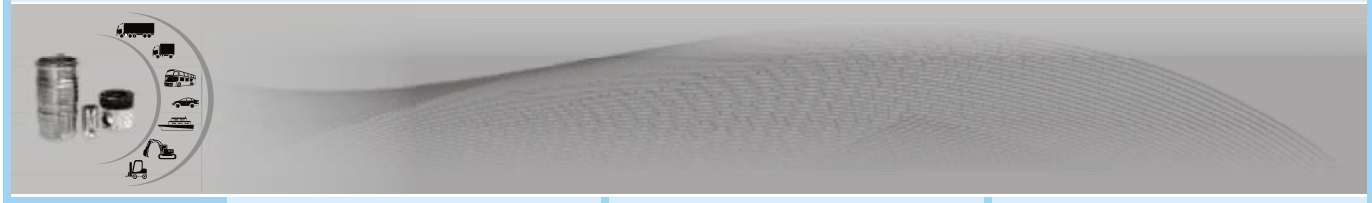
P 510 440 Std.
P 510 440 0.25
P 510 440 0.50
PR 510 440

P 510 445 Std.
P 510 445 0.25
P 510 445 0.50
PR 510 445





	Kompressor **411010, 411012, 411026, 411034, 411043, 411510 1965-** **16**	**Motor Kompressor OM401/ 402/403/404/407/409/421/422/ 423/424/442/** 1975- **17**	**dto., 3Ring** **18**
	**Ø 90.00 mm.** 90P12 Cyl. 37.00 1 67.00	**Ø 90.00 mm.** 90P13 Cyl. 35.00 1 57.50 ESP	**Ø 90.00 mm.** 90P14 Cyl. 35.00 1 57.50
	20.00 60.00	20.00 60.00	20.00 60.00
	2.50 2.50 4.00	2.50 2.50 2.50 4.00	2.50 2.50 4.00
			
	P 510 295 Std. P 510 295 0.20 P 510 295 0.40 P 510 295 0.60 PR 510 295	P 510 140 Std. P 510 140 0.10 P 510 140 0.50 P 510 140 1.00 PR 510 140	P 510 145 Std. P 510 145 0.10 P 510 145 0.50 P 510 145 1.00 PR 510 145





Diesel Motor OM 616/.910/.911/ .912/.916/.917/.918/.919/.919/.934 **19**
2404 ccm, 38-44-48 kW, (52-60-65 PS), 21:1
Vehicle 240 D, L207 D, L307 D, L309 D, L407 D, Unimog 421, U 600, 08.1973-07.1978
Motor OM 617.910/.912
3005 ccm, 66 kW, (90 PS), 21:1
Vehicle 300 D, 300 CD, 09.1978-08.1979
Diesel Motor OM 616/.910/.911/.912 /.916/.917/.918/.919/.919/.934
2404 ccm, 37-48 kW, (50-65 PS), 21:1
Vehicle 240 D, O309 D, 542, 421/T, L 207 D, L 307 D, L 407 D, 4600, 1973-07.1978
Diesel Motor OM 617 .910/.912
2971 ccm 52.5-54.5-59 kW, (71-74-80 PS),21:1
Vehicle 240 D3.0, 300D, 300 CD (USA) 071974-08.1978

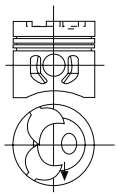
Diesel Motor OM 616,.910/.912/ .913/.918/.936/.937/.938/.939/.934 **20**
2399 ccm, 38-53-50 kW, (52-72 PS, 68 PS SAE), 21:1
Vehicle 240 D, MB 100 D, 207 D, 307 D, 407 D, 507 D, O 309 D, U 600,U 6000, 08.1978-
Diesel Motor OM 617,.912/.913/.919/.931/.932
2998 ccm, 64.5 kW, (84 PS SAE), 21:1
Vehicle 300 D, 300 CD (USA), 209 D, 309 D, 409 D, 09.1979-

Motor OM 616 .910/.911/ .912/ .916/919 **21**
2404 ccm, 37-48 kW, (50-56 PS), 21:1
Vehicle 240 D, O 309 D, U52, 421/T, L207 D, L 307 D, L 407 D, U 600, 1973-1978
Motor OM 617 .910/.912
2971-3005 ccm, 52.5-54.5-59 kW, (71-74-80 PS), 21:1
Vehicle 240 D 3.0, 300 D, 300 CD, 1974-1978



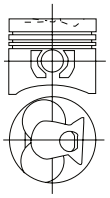
Ø 90.90 mm.
90P23

Cyl.	48.35
4/5	-1.05
	-4.20
	-6.27
	81.85
PSP	
CSY	



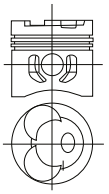
Ø 90.90 mm.
90P24

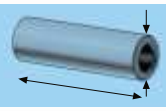
Cyl.	48.35
4/5	-1.15
	-8.75
	81.85
PSP	
CSY	



Ø 90.90 mm.
90P25

Cyl.	48.35
4/5	-1.05
	-4.20
	-6.27
	81.85
PSP	
CSY	





26.00
74.00

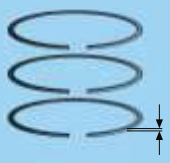


26.00
74.00

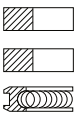


26.00
74.00

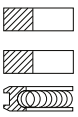




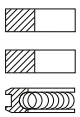
3.00 Mo
2.00
4.00 Cr



3.00 Mo
2.00
4.00 Cr

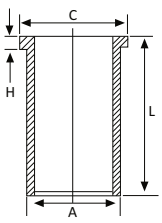


3.00 Mo
2.00
4.00 Cr

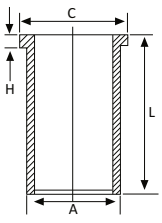




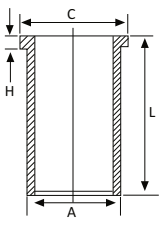
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L = 158.40
H = 4.70



A = 94.00
C = 96.00
L = 158.40
H = 4.70



A = 94.00
C = 96.00
L = 158.40
H = 4.70

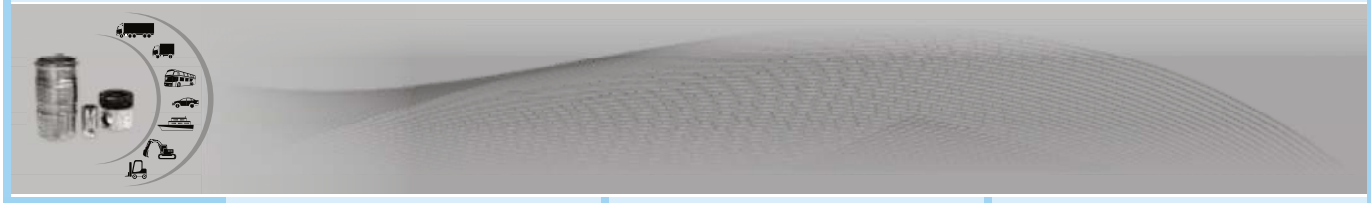




P 510 150 Std.
P 510 150 0.35
P 510 150 0.60
P 510 150 0.80
L 510 150
PR 510 150
K 510 150

P 510 155 Std.
P 510 155 0.35
P 510 155 0.60
P 510 155 0.80
L 510 155
PR 510 155
K 510 155

P 510 160 Std.
P 510 160 0.35
P 510 160 0.60
P 510 160 0.80
L 510 160
PR 510 160
K 510 160





Diesel Motor OM 616,.910/.912/ .913/.918/.936/.937/.938/.939/.934 **22**
2399 ccm, 38-53-50 kW, (52-72 PS, 68 PS SAE), 21:1
Vehicle 240 D, MB 100 D, 207 D, 307 D, 407 D, 507 D, O 309 D, U 600,U 6000, 08.1978-
Diesel Motor OM 617,.912/.913/.919/.931/.932
2998 ccm, 64.5 kW, (84 PS SAE), 21:1
Vehicle 300 D, 300 CD (USA), 209 D, 309 D, 409 D, 09.1979-

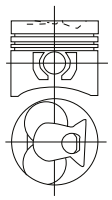
Diesel Motor OM 616.,910/.912/ .913/.918/.934/.936/.940/.963 **23**
2399 ccm, 38-48-53 kW, (52-65,72 PS) 21:1
Vehicle 240 D, 207 D, 307 D, O 309 D, 407 D, 507 D, U 600/L, U 6000, 100 D, MB 100
Diesel Motor OM 617.,912/.913/ .919/.931/.932
2998 ccm, 64.5-66 kW, (88-90 PS) 21:1
Vehicle 209 D, 309 D, 409 D, 300 D (USA)

Motor M 116.984/.985, **24**
3499 ccm, 143.5/147/151 kw (195/200/205 PS), 9/9.5:1, K-Jetronic
Vehicle 280 SE 3.5 280 SEL 3.5, 300 SEL 3.5, 350 SL, 1975-79



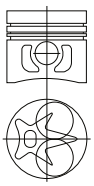
Ø 90.90 mm.
90P26

Cyl.	48.35
4/5	-1.05
	-4.20
	-6.27
	81.85
PSP	
CSY	



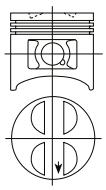
Ø 90.90 mm.
90P27

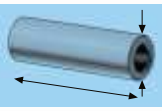
Cyl.	48.35
4/5	-1.15
	-8.85
	81.85
PSP	
CSY	



Ø 92.00 mm.
92P06

Cyl.	45.90
8	-4.20
	85.90
	45.40
	-4.20
PSP	85.40
ÇYA	





26.00	
74.00	

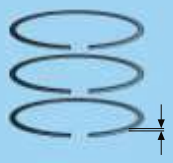


26.00	
74.00	

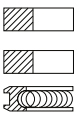


26.00	
73.00	

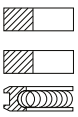




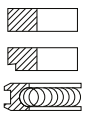
3.00 Mo	
2.00	
4.00 Cr	



3.00 Mo	
2.00	
4.00 Cr	

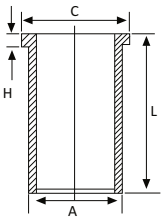


1.75 Cr	
2.50 Mo	
4.00 Cr	

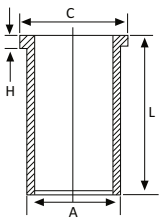




A = 94.00
C = 96.00
L = 158.40
H = 4.70



A = 94.00
C = 96.00
L = 158.40
H = 4.70

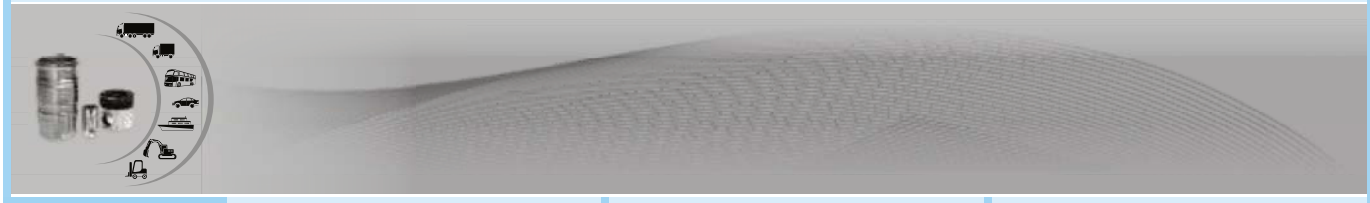




P 510 285 Std.
P 510 285 0.35
P 510 285 0.60
P 510 285 0.80
L 510 285
PR 510 285
K 510 285

P 510 290 Std.
P 510 290 0.35
P 510 290 0.60
P 510 290 0.80
L 510 290
PR 510 290
K 510 290

P 510 340 Std.
P 510 340 0.50
P 510 340 1.00
PR 510 340

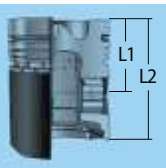




Motor M 115, K, M 115.951 /.954 **25**
2307 ccm, 75-80-81 kW,
(102-109-110 PS), 9:1
Vehicle 230-4, 1973-
Motor M 115, KV 23, M 115.958
2297 ccm, 62.5-66 kW, (85-90 PS), 9:1
Vehicle O 309 B, 11.1975-1982

Motor **26**
64 kW, (87 PS SAE), 8:1
05.1976-08.1979
Motor M 115
2308 ccm, 66 kW, (90 PS), 8:1
Vehicle 230 G, 02.1979-1985
Motor M 115, .952/.970
2307 ccm, 62.5-66-70 kW, (85-90-95 PS), 8:1
Vehicle L 409, L 410, O 309 B, 208, 308, 1975-1983

Motor M 102, .981/987 **27**
2299 ccm, 89.5-92 kW,(122-125 PS), 9:1
Vehicle 230 GE, 01.1984-
Motor M 102, .980/.982/.985
2299 ccm, 97-100 kW, (132-136 PS), 9:1
Vehicle 190 E 2.3, 230 E, 01.1984-

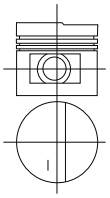






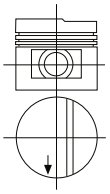
Ø 93.75 mm.
93P13

Cyl.	51.75
4	-1.00
	81.95
	51.15
	-1.00
	81.35
PSP	
KYA	
TÇP	



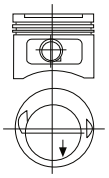
Ø 93.75 mm.
93P14

Cyl.	51.80
4	-4.40
	82.00
	51.20
	-3.80
	81.40
PSP	
KYA	
TÇP	

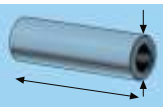


Ø 95.50 mm.
95P33

Cyl.	43.20
4	-1.85
	76.20
	42.90
	-1.85
	75.90
DSP	
KYA	



Combustion Bowl 70.45



26.00
73.00

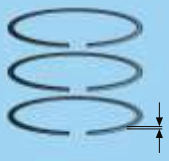


26.00
73.00

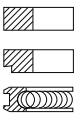


22.00
56.00

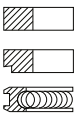




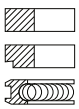
1.75 Cr
2.50 Mo
4.00 Cr



1.75 Cr
2.50 Mo
4.00 Cr



1.75 Mo
2.00
3.50 Cr



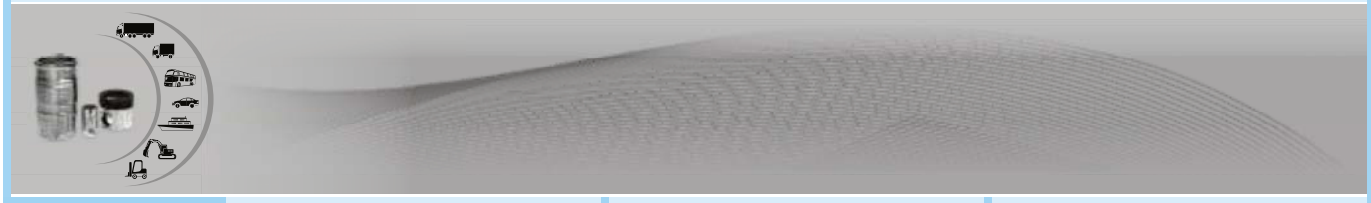




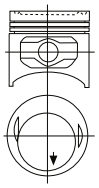
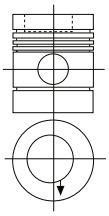
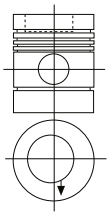
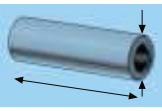
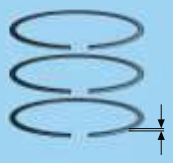
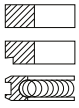
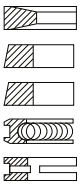
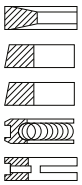
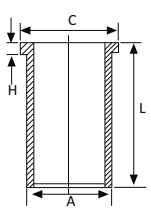
P 510 165 Std.
P 510 165 0.35
P 510 165 0.80
PR 510 165

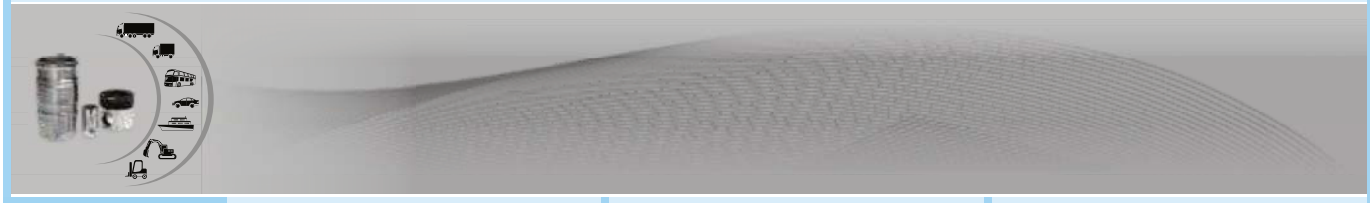
P 510 170 Std.
P 510 170 0.35
P 510 170 0.80
PR 510 170

P 510 175 Std.
P 510 175 0.50
P 510 175 1.00
PR 510 175





	28	29	30
	Motor 102.980 2276 ccm, 100 W, (136 PS), 9.2:1	**Diesel Motor OM 314** 3780 ccm, 34.5-62.5 kW, (47-85 PS), 17:1 **Vehicle** Baureihe 408, 508, 608,709, 808,809, O 309, U 54, U 66, U 72, U 403, U 800, U 900, MB - Trac 65-70-700-800, 1965- **Diesel Motor OM 352/OM 353,** 5675 ccm, 66-95.6 kW, (90-130 PS), 17:1 **Vehicle** Baureihe 613, 710, 810,811, 813, 911, 913, 1013, 1113, 1213, 1313, 1413,1513, 1613, 1713, 1813, 1317, 1517, 1617, 311, 312, 321, 322, 323,327,328, O 302, O 305, O 309, OP 312, O 321, O 322, U 70, U 80, U 84, U 90, U 95, U 100, U 110, U 120,U 125, 406, 416, 425, U 900, U1000, U 1100, U 1200, U 1300, U 1500, U 1700, U 9000, HU 9109, HU 15137, MB-TRAC 1000/1100/1300, 1964-	dto.,
	**Ø 95.50 mm.** 95P34 Cyl. 43.20 4 -1.50 -1.85 -2.30 83.20 PSP 42.90 KYA 82.90  Combustion Bowl 70.00	**Ø 97.00 mm.** 97P01 Cyl. 65.20 4/6 -20.00 115.70 ESP 64.80 CSY -20.00 KYA 115.30 64.60 -20.00 115.10 64.35 -20.00 114.85  Combustion Bowl 55.00	**Ø 97.00 mm.** 97P02 Cyl. 65.00 4/6 -20.00 115.50 ESP 64.90 CSY -20.00 KYA 115.40  Combustion Bowl 55.00
	24.00 62.00 	36.00 82.50 	36.00 82.50 
	1.75 Cr 2.00 3.50 	3.00 St-Cr 3.00 3.00 5.50 Cr 5.50 	3.00 St-Cr 3.00 3.00 5.50 Cr 5.50 
		A = 100.40 C = 103.50 L = 222.00 H = 5.21  A = 101.00 C = 104.00 L = 222.00 H = 5.21 A = 103.00 C = 106.00 L = 222.00 H = 5.20	
	P 510 265 Std. P 510 265 0.50 P 510 265 1.00 PR 510 265	P 510 180 Std. P 510 180 0.50 P 510 180 1.00 P 510 180 1.50 L 510 180 PR 510 180 K 510 180 L 510 181 L 510 182	P 510 185 Std. P 510 185 0.50 PR 510 185





Diesel Motor OM 314 A **31**
3780 ccm, 63 kW, (85 PS), 16:1
Vehicle MB-trac turbo 900
Diesel Motor OM 352 A, OM 353 A
5675 ccm, 92-110-123.5 kW,
(125-150-168 PS), 16-17:1
Vehicle Baureihe 1017, 1217,
1417, 1617, 1000, 1200, 1250,
1300, 1500, 1700; 1982-
Motor OM 362 LA .900/.906/.909/.910
5675 ccm, 141 kW, (192 PS), 16-17:1
Vehicle Baureihe 1217, 1617,
1419, 1619, 2219, 1420, 1620,
2220; 1982-1986

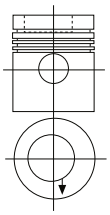
Motor OM 352 A **32**
5675 ccm, 110 kW, (150 PS), 17:1
Vehicle Baureihe 1413, 1964-1970
Motor OM 352 A/OM 353 A
5675 ccm, 92-127 kW,
(125-173 PS), 16-17:1
Vehicle Baureihe 810, 911, 1013,
1113, 1213, 1313, 1513, 1613,
1813, 917, 1017, 1217, 1417,
1617, 150, 300, 425, 1000, 1100,
1200, 1300, 1500, 1700, 1971-1982

Diesel Motor OM 314 A **33**
3780 ccm, 63 kW, (85 PS), 16:1
Vehicle MB-trac turbo 900
Diesel Motor OM 352 A, OM 353 A
5675 ccm, 92-110-123.5 kW,
(125-150-168 PS), 16-17:1
Vehicle Baureihe 1017, 1217,
1417, 1617, 1000, 1200, 1250,
1300, 1500, 1700; 1982-
Motor OM 362 LA .900/.906/.909/.910
5675 ccm, 141 kW, (192 PS), 16-17:1
Vehicle Baureihe 1217, 1617,
1419, 1619, 2219, 1420, 1620,
2220; 1982-1986



Ø 97.00 mm.
97P03

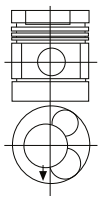
Cyl.	65.20
4/6	-20.00
	115.70
CSY	64.90
	-20.00
	115.40
KYA	64.60
	-20.00
	115.10
ESP	64.30
	-20.00
	114.80



Combustion Bowl 55.00

Ø 97.00 mm.
97P04

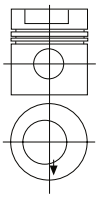
Cyl.	65.20
6	-2.40
	-20.00
	115.70
CSY	64.80
	-2.40
	-20.00
KYA	115.30
ESP	64.60
	-2.40
	-20.00
	115.10



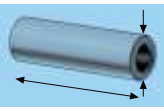
Combustion Bowl 55.00

Ø 97.00 mm.
97P05

Cyl.	65.20
4/6	-21.50
	105.20
CSY	64.90
	-21.50
	104.90
KYA	64.60
	-21.50
	104.60



Combustion Bowl 55.00



36.00
82.50

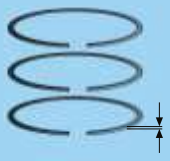


36.00
82.50

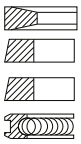


36.00
82.50

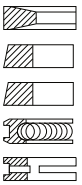




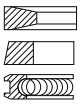
3.00 St-Cr
3.00
3.00
5.50 Cr



3.00 St-Cr
3.00
3.00
5.50 Cr
5.50

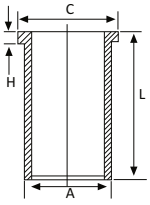


2.50 St-Mo
2.50 Mo
4.00 Cr





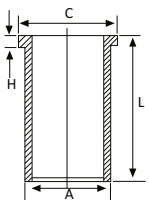
A = 100.40
C = 103.50
L = 222.00
H = 5.10



A = 101.00
C = 104.00
L = 222.00
H = 5.20

A = 103.00
C = 106.00
L = 222.00
H = 5.20

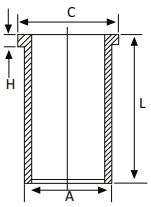
A = 100.40
C = 103.50
L = 222.00
H = 5.20



A = 101.00
C = 104.00
L = 222.00
H = 5.20

A = 103.00
C = 106.00
L = 222.00
H = 5.20

A = 100.40
C = 103.50
L = 222.00
H = 5.20



A = 101.00
C = 104.00
L = 222.00
H = 5.20

A = 103.00
C = 106.00
L = 222.00
H = 5.20



P 510 190 Std.
P 510 190 0.50
P 510 190 1.00
P 510 190 1.50
L 510 190
PR 510 190
K 510 190

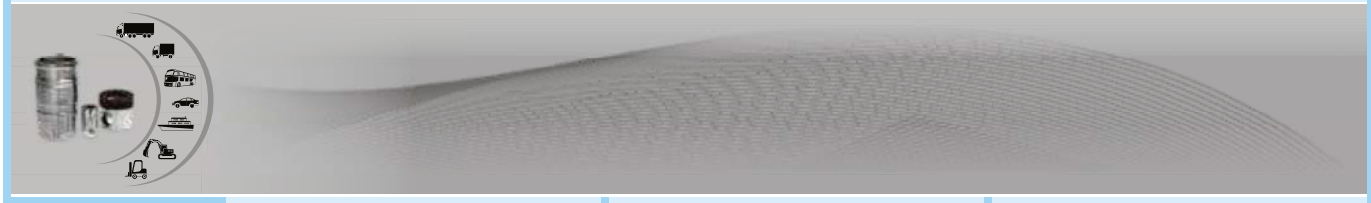
L 510 191
L 510 192

P 510 195 Std.
P 510 195 0.50
P 510 195 1.00
L 510 195
PR 510 195
K 510 195

L 510 196
L 510 197

P 510 200 Std.
P 510 200 0.50
P 510 200 1.00
P 510 200 1.50
P 510 200 2.00
L 510 200
PR 510 200
K 510 200

L 510 201
L 510 202





Motor OM 352 **34**
5675 ccm, 96 - 124 kW,
(130-168 PS), 16:1
Vehicle 1968 - 1988
Motor OM 353
5675 ccm, 92 - 127 kW,
(125-172 PS), 16:1

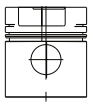
Diesel Motor OM 364 A, **35**
.901/.950/.952
3972 ccm, 85 kW, (115.5 PS), 16.5:1
Vehicle Baureihe 711, 811
Diesel Motor OM 364 LA, .901
3970 ccm, 96 kW, (130.5 PS), 16.3:1
Motor OM 366 A, .901/951/.952/
953/.957/.960/.962/.965/.966/.967
/.968/.969/.970/971/974
5958 ccm, 125 kW, (170 PS), 16.5:1
Vehicle Baureihe 817, 917, 1117,
1119, 1217, 1317, 1417, 1617,
O 301, O 402
Diesel Motor OM 366 LA, .901/.980/
.981/.983/.0988/.990/.992/.993/.994/
.983/.988
5958 ccm, 148-150 kW, (201-204PS)
16.3:1
Vehicle Baureihe1017, 1120, 1320,
1419, 1420, 1617, 1619, 1620,
2219, 2220, 2222, 1984-

Motor OM 364, .900/ **36**
.906/.907/.912
3972 ccm, 66 kW, (90 PS), 17.25:1
Vehicle Baureihe 609, 709, 809,
Tractor 700,
Motor OM 366, .900/.905/.906
/.907/.909/.910/.913/.914/.917
/.918/.919/.930/.931/.932/.933
5958 ccm, 100 kW, (136 PS), 17.25:1
Vehicle Baureihe 814, 914, 1114,
1214, 1314, 1414, 1614, O 301,
O 402, 04.1984-



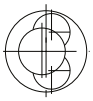
Ø 97.00 mm.
97P06

Cyl 65.20
6 - 2.20
-20.00
105.20



CSY 64.80
- 2.20
-20.00
104.80

KYA

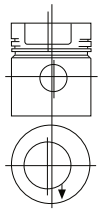


64.60
- 2.20
-20.00
104.60

Combustion Bowl 55.00

Ø 97.50 mm.
97P07

Cyl. 62.80
4/6 -22.35
107.80



62.50
107.50

CSY 62.20
CYA 107.20

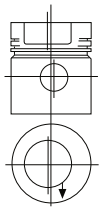
61.90
106.90

Combustion Bowl 56.00

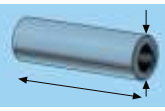
Ø 97.50 mm.
97P08

Cyl. 62.80
4/6 -22.70
107.80

CSY



Combustion Bowl 56.00



36.00
82.50

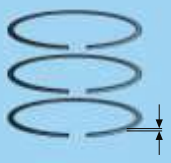


36.00
82.50

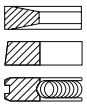


36.00
82.50

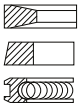




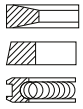
2.50
2.50
4.00



2.50 St-Mo
2.50 Mo
4.00 Cr

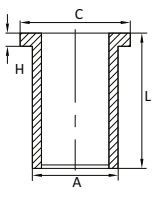


2.50 Mo
2.50
4.00 Cr





A = 100.40
C = 103.50
L = 222.00
H = 5.20

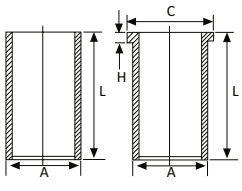


A = 101.00
C = 104.00
L = 222.00
H = 5.20

A = 103.00
C = 106.00
L = 222.00
H = 5.20

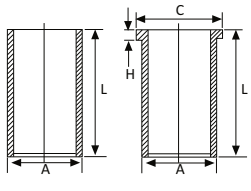
A = 100.40
L = 224.00

A = 100.40
C = 103.50
L = 222.00
H = 5.10



A = 100.40
L = 224.00

A = 100.40
C = 103.50
L = 222.00
H = 5.10

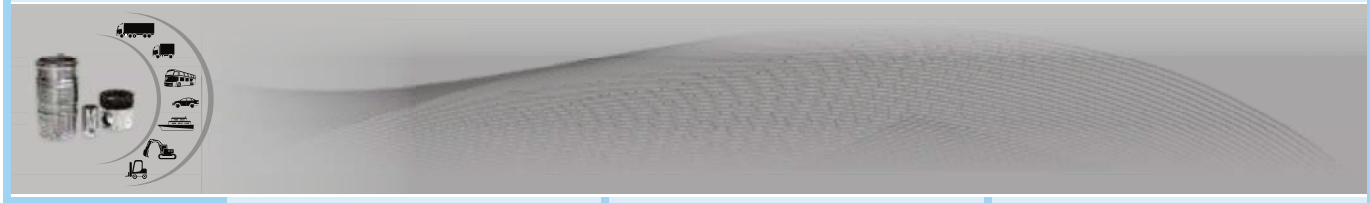




P 510 350 Std.
P 510 350 0.50
P 510 350 1.00
L 510 350
L 510 351 L 510 352
PR 510 350
K 510 350

P 510 205 Std.
P 510 205 Std 1
P 510 205 Std 2 L 510 206
P 510 205 Std 3
L 510 205
PR 510 205
K 510 205

P 510 210 Std.
L 510 210 L 510 211
PR 510 210
K 510 210





37

38

Motor OM 356 LA
983OM 364 LA, 901- 504
102 kW, (139 PS), 17,25:1
Vehicle 814 1993 -
Motor OM 366 LA
5955 ccm,
OM 366 LA979/989/999
177 kW, (240 PS), 17,25:1
Vehicle 1120/AF,1224 AF 1993

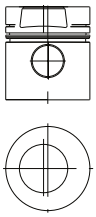
39

Motor OM 364 A
356 - 940 3970 ccm, 77 kW,
(105 PS), 18:1
Vehicle 711, 811
Motor OM 366 A 356 - 940
5958 ccm, 129 kW, (175 PS), 16.3:1
Vehicle 1717 1989 - 1994
Motor OM 366 A 356.941, 356.943 -
356.951 - 356.953 356.958 , 356.959,
5958 ccm, 116,121 kW, (158,165 PS),
18:1
Vehicle Einbaumotor
Motor OM 366 A 901,
5958 ccm, 18:1
Vehicle Einbaumotor 1964 -
Motor OM 366 A 941 - 943
5958 ccm, 116 kW, (158 PS), 18:1
Vehicle 117 , 1317 , 1417 , 817



Ø 97.50 mm.
97P09

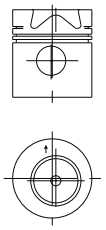
Cyl	62.80
4/6	-23.90
	107.80
CSY	62.50
	-23.90
	107.50
KYA	62.20
KMP	-23.90
	107.20
	61.90
	-23.90
	106.90



Combustion Bowl 48.00

Ø 97.50 mm.
97P10

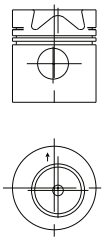
Cyl	62.80
4/6	-22.60
	107.80
CSY	62.50
	-22.60
	107.50
KYA	62.20
KMP	-22.60
	107.20
	61.90
	-22.60
	106.90



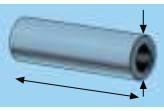
Combustion Bowl 54.85

Ø 97.50 mm.
97P11

Cyl	62.80
4/6	-23.00
	107.80
CSY	62.50
	-23.00
	107.50
KYA	62.20
	-23.00
	107.20
	61.90
	-23.00
	106.90



Combustion Bowl 54.40



36.00
82.50

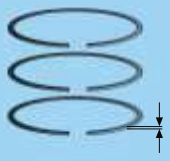


36.00
82.50

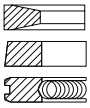


36.00
82.50

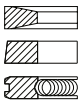




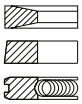
2.50
2.50
4.00



2.50
2.50
4.00

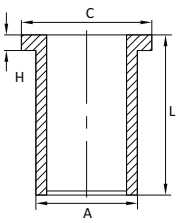


2.50
2.50
4.00

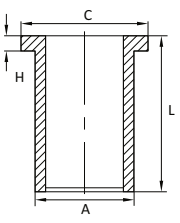




A = 100.40
C = 103.50
L = 222.00
H = 5.20



A = 100.40
C = 103.50
L = 222.00
H = 5.10





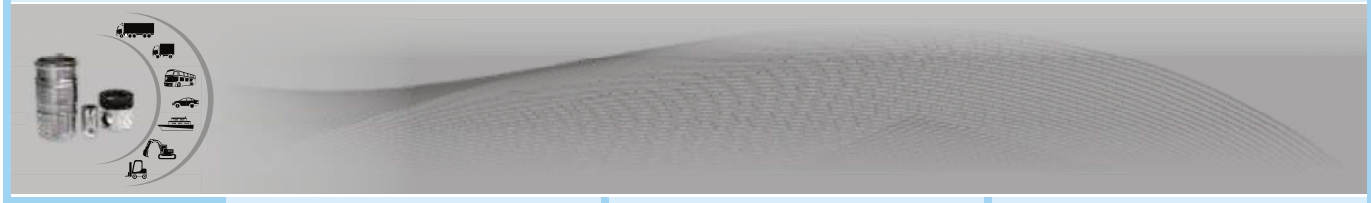
P 510 365 Std.
PR 510 365

P 510 385 Std.
P 510 385 Std 1
P 510 385 Std 2
P 510 385 Std 3
L 510 385
PR 510 385
K 510 385

P 510 400 Std.
P 510 400 Std 1
P 510 400 Std 2
P 510 400 Std 3
L 510 400
PR 510 400
K 510 400

M

MERCEDES-BENZ





Diesel Motor OM 360 **40**
8720 ccm, 125-141 kW,
(170-192 PS), 16.8:1
Vehicle Baureihe 1113, 1313,
1317, 1413, 1216, 1417, 1517,
1617, 1817, 1319, 1419, 1519,
1619, 1819, 2219, O 302, O 305,
1968-1977

Diesel Motor OM 360 A, **41**
8725 ccm, 141.5-154.5 kW,
(192-210 PS), 16:1
Vehicle 1978-03.1983, 07.1984

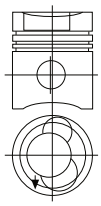
Diesel Motor OM 401, **42**
.900/.905/.906/.907/.908/.909/.912/
.913/.914/.915/.91/.918/.919/.921/.922/.923/.925/.926/.927
9570 ccm, 136-141 kW, (185-192 PS), 17.2-17.5:1
Vehicle Baureihe 1019, 1219,1419,
1619, 1719, 1919, 2219, O 303, 04.1972-1985
Diesel Motor OM 402,
.900/.905/.906/.907/.910/
.911/.912/.913/.914/.916/.917./919/.921/.923
/.925/.926/.927/.928
12760 ccm, 176.5-188 kW, (240-256 PS),
17.2-17.5:1
Vehicle Baureihe 1424, 1624, 2224,
1626, 1926, 2026, 2226, 2626, O303,
04.1972-1985
Diesel Motor OM 403,
.910/.915/.916/.918/.918/.931/.932/.934
15960 ccm, 228-235 kW, (310-320PS),
17.2-17.5:1
Vehicle Baureihe 1626, 1632, 1926, 1932,
2032, 2232, 2626, 2632, 3032, O 303,
04.1972-1985



Ø 115.00 mm.
115P08

Cyl.	85.30
6	-0.70
	-22.00
	133.30

CSY

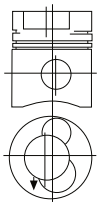


Combustion Bowl 65.00

Ø 115.00 mm.
115P09

Cyl.	85.30
6	-0.70
	-22.00
	133.30

CSY

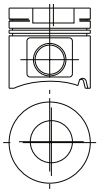


Combustion Bowl 65.00

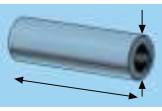
Ø 125.00 mm.
125P13

Cyl.	87.25
6/8/10	-23.50
	137.25

CSY
YPO



Combustion Bowl 65.00



42.00
98.00

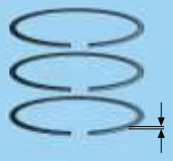


42.00
98.00

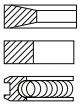


46.00
97.00

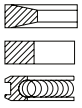




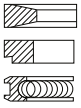
3.50 St-Mo
3.00 Mo
5.50 Cr



3.50 St-Mo
3.00 Mo
5.50 Cr



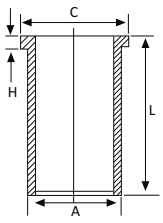
3.00 St-Mo
3.00 Mo
6.00 Cr





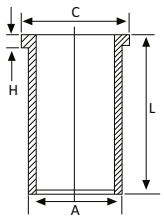
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C = 125.00
L = 253.50
H = 5.50

A = 120.07
C = 125.00
L = 253.50
H = 5.75



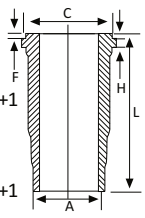
A = 120.00
C = 125.00
L = 253.50
H = 5.50

A = 120.07
C = 125.00
L = 253.50
H = 5.75



A = 140.00
C = 152.00
L = 253.00
H + F=10.07+1

A = 140.00
C = 152.00
L = 253.00
H + F=10.57+1



A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.07+1



P 510 215 Std.
P 510 215 0.50
P 510 215 1.00
P 510 215 1.50
P 510 215 2.00
L 510 215
PR 510 215
K 510 215

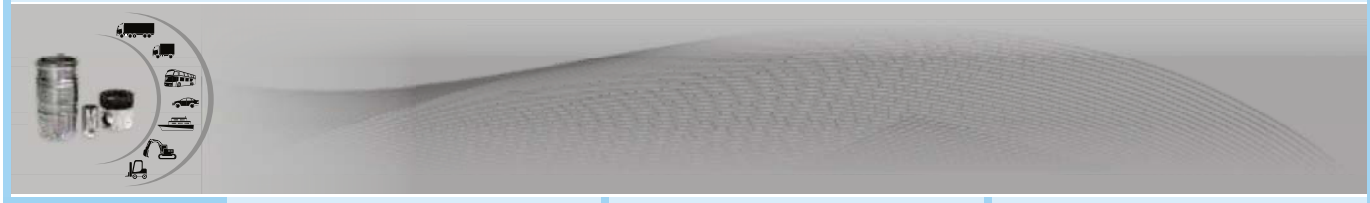
L 510 216

P 510 220 Std.
P 510 220 1.50
P 510 220 2.00
L 510 220
PR 510 220
K 510 220

L 510 221

P 510 225 Std.
P 510 225 0.50
P 51 0 225 1.00
L 510 225
L 510 226
PR 510 225
K 510 225

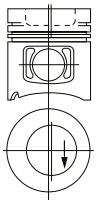
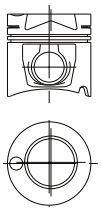
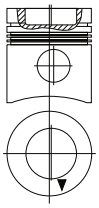
L 510 227
L 510 228

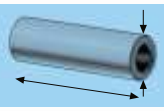




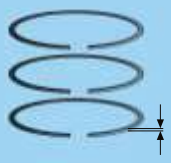
43	44	45
Diesel Motor OM 407/h, .901/.913/.914/.915/.916/.917/.918/.919 11412 ccm, 177 kW (240 PS) 16.5:50; Bis Motor No: 14955, 155mm Hub **Vehicle** O 305/G, O 307, 1977-07.1980	**Diesel Motor OM 401 LA Euro 1,** 230-250 kW (313-340 PS), 16.75:1; 130 mm Hub **Vehicle** 1831/1834 **Diesel Motor OM 402 LA Euro 1,** 12756 ccm, 280 kW (381 PS), 16.75:1; 130 mm Hub **Vehicle,** 1838/2038/2538/2638/3238/3538	**Diesel Motor OM 407 A/hA,** 11410 ccm, 206 kW (280 PS) 16.5:1; 155 mm Hub **Vehicle** O 305/G, 1980-1987

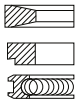
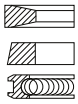
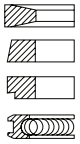


	Ø 125.00 mm. 125P14	**Ø 125.00 mm.** 125P15	**Ø 125.00 mm.** 125P16
Cyl.	84.75	87.45	84.85
6	-26.00	-25.10	-23.90
	139.75	133.85	139.85
CSY			
YPO			
	Combustion Bowl 70.00	Combustion Bowl 68.00	Combustion Bowl 75.00

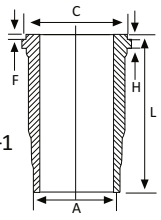
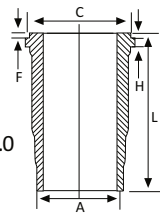
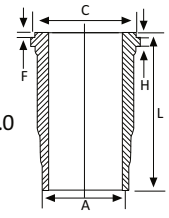


	46.00 97.00 	46.00 102.00 	46.00 105.00 



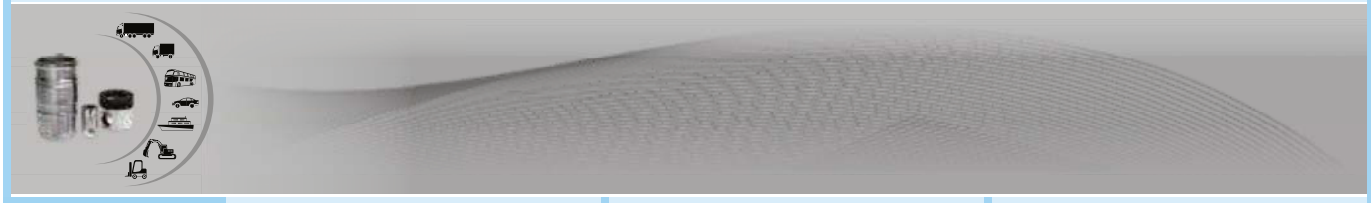
	3.00 St-Mo 3.00 Mo 6.00 Cr 	3.00 Mo 3.00 Cr 4.00 Cr 	3.00 St-Mo 3.00 Mo 3.00 Mo 4.00 Cr 



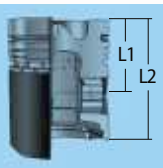
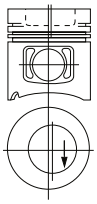
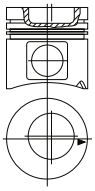
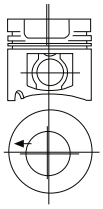
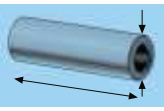
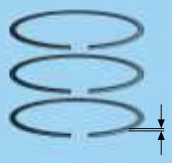
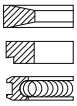
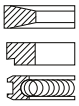
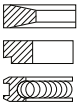
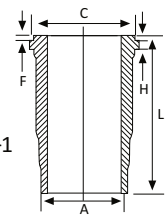
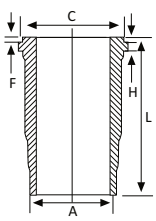
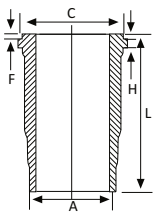
	A = 140.00 C = 152.00 L = 265.00 H + F=10.07+1 	A = 144.50 C = 153.80 L = 253.00 H + F=9.92+1.0 	A = 140.00 C = 152.00 L = 265.00 H + F=10.07+1.0 

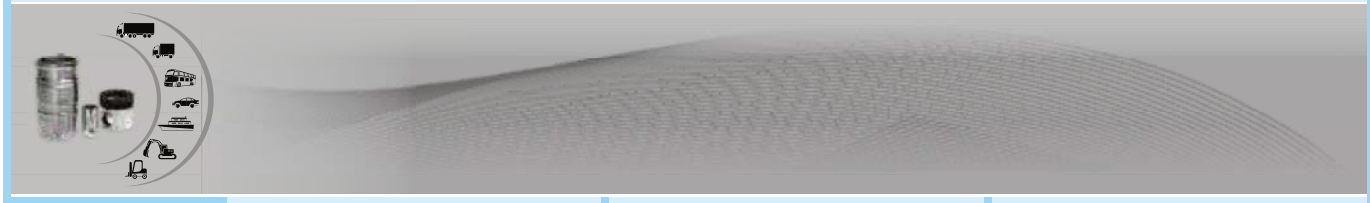


P 510 300 Std. L 510 300 PR 510 300 K 510 300	P 510 305 Std. L 510 305 PR 510 305 K 510 305	P 510 310 Std. L 510 310 PR 510 310 K 510 310





	46	47	48
	Diesel Motor OM 407 h, 11412 ccm, 177 kW (240 PS), 16.5:1; 155 mm Hub **Vehicle** , O 305/G, O 307, O 405, 1980	**Diesel Motor OM 401,** .924, 10456 ccm, 114 kW (196 PS), 17.5:1; 142 mm Hub **Diesel Motor OM 403,** .911/.933/.935, 17426 ccm, 261 kW (355 PS), 17.5:1; **Diesel Motor OM 404,** .901, 20911 ccm, 294/316 kW (400/430 PS), 17.5:1; 142 mm Hub 1977-1982	**Diesel Motor OM 421, .900/.905/.906/.907/.908/.910** 10965 ccm, 150-159 kW, (204-216 PS),16.9:1 **Vehicle** Baureihe 1222, 1422, 1622, 1922, 2222, O 303, 1979- **Diesel Motor OM 422, .900/.905/.915/.917/.923** 14618 ccm, 184-206 kW, (250-280 PS),16.9:1 **Vehicle** Baureihe 1425, 1625, 1628, 1928, 2025, 2028, 2225, 2228, 2525, 2528, 3025, 3028, 3025, 3028, 3328, O 303, 1979- **Diesel Motor OM 423, .900/.905/.906/.907/.908/.909** 18273 ccm, 261 kW, (355 PS), 16.9:1 **Vehicle** Baureihe 1636, 1936, 2036, 2235, 2236, 2536, 2636, 3336, 1981- **Diesel Motor OM 424, .900/** 21930 ccm, 309 kW, (420 PS),16.9:1
  	**Ø 125.00 mm.** 125P17 Cyl. 84.85 6 -23.00 139.85 CSY YPO  Combustion Bowl 75.00	**Ø 125.00 mm.** 125P18 Cyl. 81.25 6/10/12 -24.50 126.25 CSY YPO  Combustion Bowl 69.00	**Ø 128.00 mm.** 128P16 Cyl. 81.35 6/8/10/12 -24.10 126.35 CSY YPO  Combustion Bowl 70.00
	46.00 97.00 	46.00 97.00 	46.00 99.00 
	3.00 St-Mo 3.00 Mo 6.00 Cr 	3.00 St-Mo 3.00 Mo 6.00 Cr 	3.00 Mo 3.00 Cr 4.00 Cr 
	A = 140.00 C = 152.00 L = 265.00 H +F=10.57+1 	A = 140.00 C = 152.00 L = 253.00 H + F=10.07+1 A = 140.50 C = 153.80 L = 253.00 H + F=10.07+1 A = 144.50 C = 153.80 L = 253.00 H + F=9.92+1 	A = 144.50 C = 153.80 L = 253.00 H + F=9.92+1 A = 144.50 C = 153.80 L = 253.00 H + F=10.42+1 
	P 510 325 Std. L 510 325 PR 510 325 K 510 325	P 510 330 Std. L 510 330 PR 510 330 K 510 330 L 510 331 L 510 332	P 510 230 Std. L 510 230 PR 510 230 K 510 230 L 510 231





dto., **49**

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Diesel Motor OM 421 A, .901/.951
10946 ccm, 184 kW, (250 PS), 16.25:1
Vehicle Baureihe O 303, 1985-
Diesel Motor OM 422 A, .901/.951/.952/954/.956/.957/.958/.963
14618 ccm, 177-243 kW, (280-330PS), 16.25:1
Vehicle Baureihe 1633, 1635, 1933, 2033, 2035,2233,2235,2533,2633,2635,3333,O 303,1979-
Diesel Motor OM 422 LA,.901/.953/.955/.959
14618 ccm, 276-320 kW, (375-435 PS), 16.25:1
Vehicle Baureihe 1638, 1644, 1938, 2238, 2244, 2638, 638, 2644 1980-
Diesel Motor OM 423 A, .901
18273 ccm, 270-301 kW, (367-409 PS), 16.25:1
Diesel Motor OM 423 LA, .901
18273 ccm, 390-368 kW, (470-500 PS), 16.25:1
Vehicle Baureihe 3250, 3850, 4050, 1984-
Diesel Motor OM 424 A, .901
21927 ccm, 340-404 kW, (530-550 PS), 16.25:1
Diesel Motor OM 424 LA, .901
21927 ccm, 404-452 kW, (549-615 PS), 16.25:1

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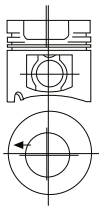
Diesel Motor OM 441 LA
10964 ccm, 243-249 kW, (330-340 PS), 16.25:1
Vehicle Baureihe 1733
Diesel Motor OM 442 A .901/.950/.952/.963
14618 ccm, 260 kW, (354 PS), 16.25:1
Vehicle Baureihe 1635, 1935, 2235, 2435, 3335, O303
Diesel Motor OM 442 LA 901/.951/.953/.980
14618 ccm, 320-353-362 kW, (435-480-492 PS), 16.25:1
Vehicle Baureihe 1644, 1748, 1944, 2244, 2644, 1985-



Ø 128.00 mm.
128P17

Cyl.	81.35
6/8/10/12	-24.10
	126.35

CSY
YPO

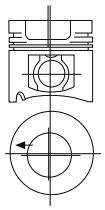


Combustion Bowl 70.00

Ø 128.00 mm.
128P18

Cyl.	81.35
6/8/10/12	-25.40
	126.35

CSY
ÖPP
YPO

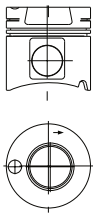


Combustion Bowl 70.00

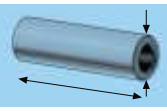
Ø 128.00 mm.
128P19

Cyl.	81.45
6/8/12	-24.60
	126.45

CSY
YPO



Combustion Bowl 66.80



46.00
99.00

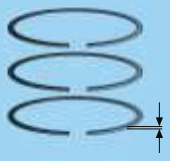


46.00
99.00

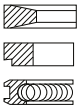


46.00
105.00

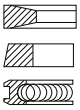




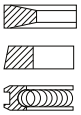
3.00 Mo
3.00 Cr
4.00 Cr



3.00
3.00 Cr
4.00 Cr



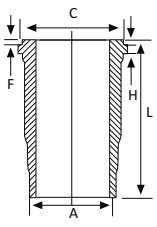
3.00
3.00 Cr
4.00 Cr





A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

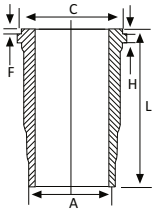
A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1



A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

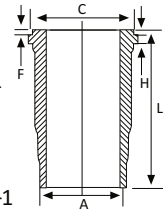
A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1



A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1





P 510 235 Std.
L 510 235
PR 510 235
K 510 235

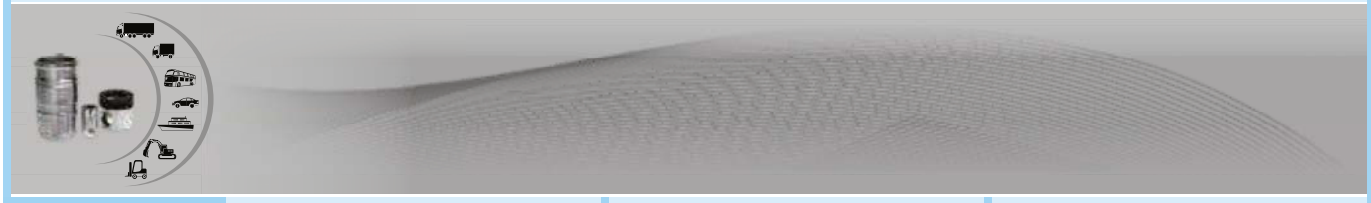
L 510 236

P 510 240 Std.
L 510 240
PR 510 240
K 510 240

L 510 241
L 510 242

P 510 245 Std.
P 510 245 0.25
P 510 245 0.50
P 510 245 1.00
P 510 245 1.50
L 510 245
PR 510 245
K 510 245

L 510 246





Diesel Motor OM 346, I/II **52**
10809 ccm, 132-154.5 kW, (180-210 PS), 17:1
Vehicle Baureihe 1418, 1518, 1620, 1920, 2020, 2220, 2620, O 317, 1964-1967

Diesel Motor OM 355, .960/.961/.962 /.963/.964/.966/.967/.970/.972/ .973/.974/.975/.976/.978/.979/ .980/.981/.982 **53**
11581 ccm, 136-184 kW, (185-250 PS), 17.2:1
Vehicle Baureihe 1621, 1921, 1623/6, 1923, 2223, 2623, 1424, 1624, 1924, 2024, 2224, 2624, O 302, O 317, 1967-1978

Motor OM 355 A, .968/.969/.977 **54**
11900 ccm, 191-202 kW, (260-275 PS), 16.5:1
Vehicle O 302, 1970-1978

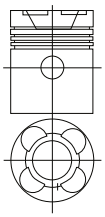






Ø 128.00 mm.
128P20

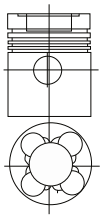
Cyl.	85.26
6	-1.10
	-25.50
	161.26
CSY	90.06
	-1.10
	-26.80
	161.06



Combustion Bowl 75.00

Ø 128.00 mm.
128P21

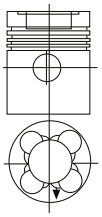
Cyl.	90.26
6	-1.10
	-27.00
	161.26
CSY	90.06
KYA	-1.10
	-26.80
	161.06



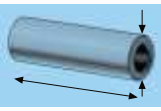
Combustion Bowl 70.00

Ø 128.00 mm.
128P22

Cyl.	90.26
6	-2.00
	-2.20
	-28.50
	161.06
CSY	90.06
KYA	-2.00
	-2.20
	-28.30
	161.03



Combustion Bowl 70.00



44.00
111.00

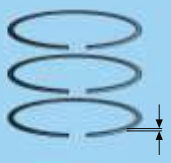


48.00
108.00

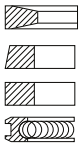


48.00
108.00

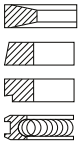




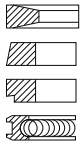
3.50 St-Mo
3.50
3.50
6.50 Cr



3.50 St-Mo
3.50 Mo
3.50 Mo
6.50 Cr



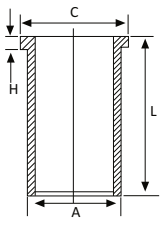
3.50 St-Mo
3.50 Mo
3.50 Mo
6.50 Cr





A = 134.00
C = 139.00
L = 277.50
H = 9.1

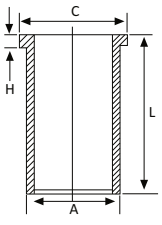
A = 133.00
C = 136.00
L = 277.50
H = 9.1



A = 133.50
C = 137.50
L = 287.50
H = 5.50

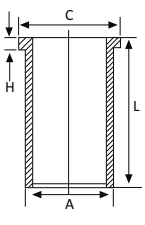
A = 133.70
C = 137.50
L = 287.50
H = 5.50

A = 133.60
C = 137.50
L = 287.50
H = 5.50



A = 133.50
C = 137.50
L = 287.50
H = 5.50

A = 133.70
C = 137.50
L = 287.50
H = 5.50



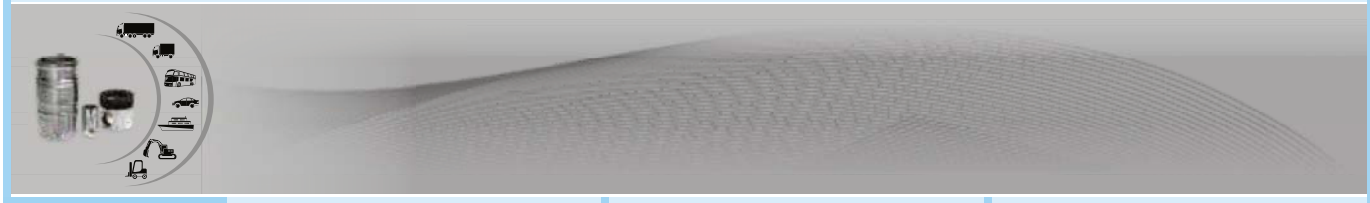
A = 133.60
C = 137.50
L = 287.50
H = 5.50



P 510 250 Std.
P 510 250 0.50
P 510 250 1.00
P 510 250 1.50
L 510 250
PR 510 250
K 510 250
L 510 251

P 510 255 Std.
P 510 255 0.25
P 510 255 0.50
P 510 255 1.00
P 510 255 1.50
L 510 255
PR 510 255
K 510 255
L 510 256
L 510 257

P 510 260 Std.
P 510 260 0.25
P 510 260 0.50
P 510 260 0.75
P 510 260 1.00
P 510 260 1.50
L 510 260
PR 510 260
K 510 260
L 510 261
L 510 262





Diesel Motor OM 441 LA, **55**
10964 ccm, 243/249 kW (330/340 PS), 16.25:1;
Vehicle 1733
Diesel Motor OM 442 A,
.901/.950/.952/.963, 14618 ccm, 260 kW (354 PS), 16.25:1;
Vehicle 1635, 1935, 2235, 2435, 2535, 3335, O 303
Diesel Motor OM 442 LA,
.901/.951/.953/.980, 14618 ccm, 320/353/362 kW (435/480/492 PS), 16.25:1; 142 mm Hub
Vehicle , 1644, 1748, 1944, 2244, 2644, 1985-1991

Motor OM 447.970 HLA Euro 2 **56**
11970 ccm 157 kw (213 PS) 18:1; 155 mm
Motor OM 447.971 HLA Euro 2
11970 ccm 184 kw (250 PS) 18:1; 155 mm
Motor OM 447.972 HLA Euro 2
11970 ccm 220 kw (300 PS) 18:1; 155 mm
Vehicle O 405 1994-, 345 Euro 2
Mercedes Benz Otobüs

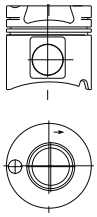
Motor OM 447 A Euro 1 **57**
11970 ccm 17.25:1; 142 mm
Vehicle 1992-
Motor OM 447 LA Euro 1
11970 ccm 18:1; 142 mm



Ø 128.00 mm.
128P23

Cyl.	81.35
6/8/12	-27.50
	126.35

CSY
YPO

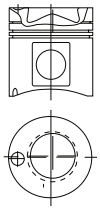


Combustion Bowl 66.45

Ø 128.00 mm.
128P24

Cyl.	90.00
6	-24.00
	139.85

CSY
PAK
KMP
YPO

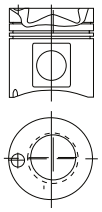


Combustion Bowl 75.00

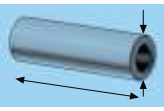
Ø 128.00 mm.
128P25

Cyl.	90.00
6	-24.00
	140.00

CSY
PAK
KMP
YPO



Combustion Bowl 76.85



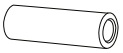
46.00
105.00

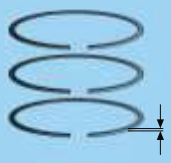


46.00
105.00

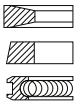


46.00
105.00

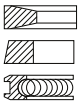




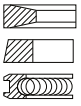
3.00
3.00 Cr
4.00 Cr



3.00 Mo
3.00 Cr
4.00 Cr



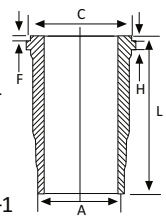
3.00 Mo
3.00 Cr
4.00 Cr



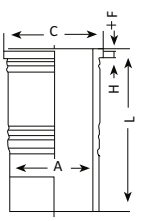


A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1

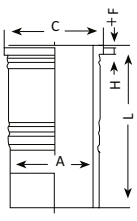


A = 144.50
C = 153.80
L = 270.00
H + F=9.92+1



A = 144.50
C = 153.80
L = 270.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 270.00
H + F=10.42+1



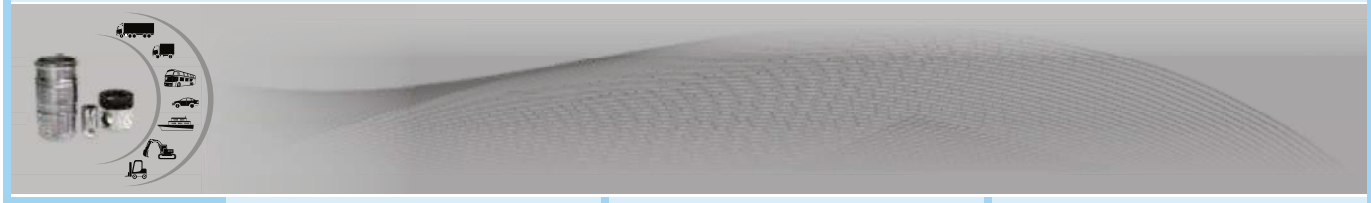


P 510 315 Std.
L 510 315
PR 510 315
K 510 315

L 510 316

P 510 355 Std.
L 510 355
PR 510 355
K 510 355

P 510 360 Std.
L 510 360
PR 510 360
K 510 360





Motor OM 457. 934
11970 ccm, 185 - 315 kW, (252 - 428 PS)
Vehicle Citaro O 530 1998 - **58**

Diesel Motor OM 441 LA, **59**
10964 ccm, 243/249 kW (330/340 PS), 16.25:1;
Vehicle 1733
Diesel Motor OM 442 A,
.901/.950/.952/.963, 14618 ccm, 260 kW (354 PS), 16.25:1;
Vehicle 1635, 1935, 2235, 2435, 2535, 3335, O 303
Diesel Motor OM 442 LA,
.901/.951/.953/.980, 14618 ccm, 320/353/362 kW (435/480/492 PS), 16.25:1; 142 mm Hub
Vehicle , 1644, 1748, 1944, 2244, 2644, 1985-1991

Diesel Motor OM 441 LA, **60**
10964 ccm, 243/249 kW (330/340 PS), 16.25:1;
Vehicle 1733
Diesel Motor OM 442 A,
.901/.950/.952/.963, 14618 ccm, 260 kW (354 PS), 16.25:1;
Vehicle 1635, 1935, 2235, 2435, 2535, 3335, O 303
Diesel Motor OM 442 LA,
.901/.951/.953/.980, 14618 ccm, 320/353/362 kW (435/480/492 PS), 16.25:1; 142 mm Hub
Vehicle , 1644, 1748, 1944, 2244, 2644, 1985-1991



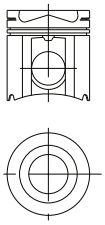




Ø 128.00 mm.
128P26

Cyl 90.00
6 -18.00
140.05

CSY
SKP
YPO

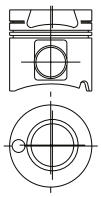


Combustion Bowl 89.50

Ø 128.00 mm.
128P27

Cyl 81.35
6/8/12 -27.50
126.35

CSY
PBP
YPO



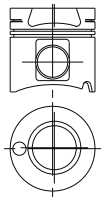
Combustion Bowl 66.45

Ø 128.00 mm.
128P28

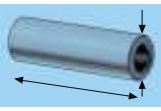
Cyl. 81.35
6/8/12 -27.50
126.35

126.05
81.05

CSY
PBP
PAK
YPO
KYA



Combustion Bowl 66.50



52.00
103.00

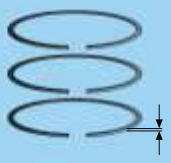


46.00
105.00

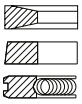


46.00
105.00

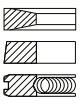




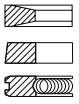
3.00
3.00
4.00



3.00
3.00
4.00



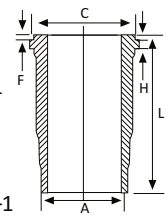
3.00
3.00
4.00





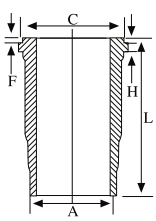
A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1



A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1

A = 144.50
C = 153.80
L = 253.00
H + F=10.42+1

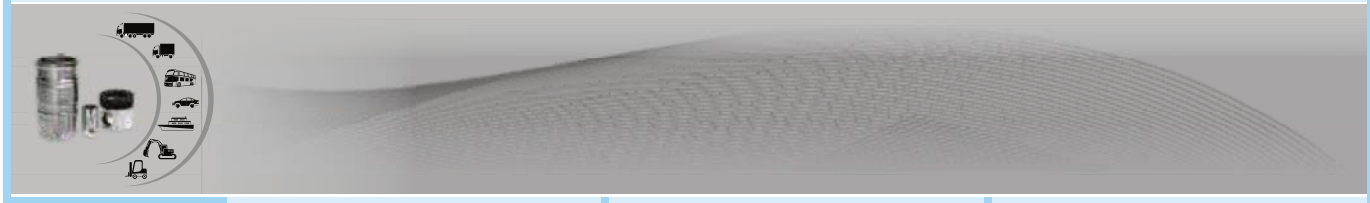




P 510 380 Std.
PR 510 380

P 510 390 Std.
L 510 390
L 510 391
PR 510 390
K 510 390

P 510 395 Std.
L 510 395
L 510 396
PR 510 395
K 510 395





61

62

Motor OM 441 LA980, 10960 ccm, 250 kW, (340 PS), 16,75:1
Vehicle 1234, 1733, 1834, 2433, 2534, 1991 - Einbaumotor 1992 -
Motor OM 442 A
440,940 - 440, 945, 977, 978
14618 ccm, 250 kW, (340 PS), 18:1 1634 1992 - 1635, 1735, 1935, 2235, 2435, 3535, 1991 -Actros 2035 - Actros 2635 - Actros 3235,Actros 3335,
Actros 2535,
1991 - 2000O 303
1991 -

63

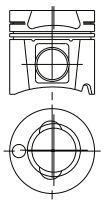
Motor OM 441 LA, 445,920 - 445, 927, 445,929 - 445, 931,445,933 - 445,941, 901 10960 ccm, 180- 250 kW, (245 - 340 PS), 17,25:1
Vehicle 1234, 1733, 1834, 2433, 2534, 3234, 1991....Einbaumotor 1992....
Motor OM 442 LA, 446,920 - 446,922, 446,924 - 446, 936,446,938 - 446,943, 446,945, 446, 946, 446, 948 14618 ccm, 280- 320 -390 kW, (381,435,530 PS), 17,25:1
Vehicle 1644, 1748, 1944, 2244, Actros 1844 1985 - Actros 2044, Actros 2544, Actros 18441750, 1838, 2038, 2538, 2638, 3238, 3250,3253, 3538, 3544, 3553, 4838, 4844, 4850, 4853, Actros 1850, Actros 1853, Actros 2553 Actros 2653 2448, 3548
1985 - 1991



Ø 128.00 mm.
128P29

Cyl	81.35
6/8/12	-27.50
	126.35

CSY
PAK
KMP
YPO

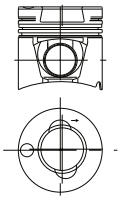


Combustion Bowl 66.40

Ø 128.00 mm.
128P30

Cyl	81.45
6/8	-23.20
	126.45

CSY
SKP
PAK
YPO

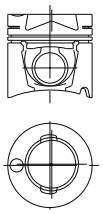


Combustion Bowl 65.00

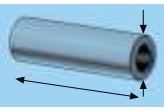
Ø 128.00 mm.
128P31

Cyl	81.45
6/8	-24.00
	126.45

CSY
SKP
PAK
YPO



Combustion Bowl 72.50



46.00
105.00

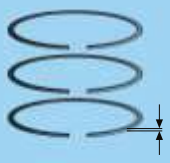


46.00
105.00

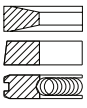


46.00
105.00

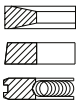




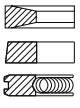
3.00
3.00
4.00



3.00
3.00
4.00



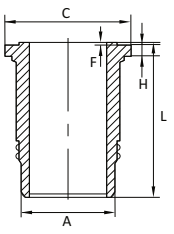
3.00
3.00
4.00





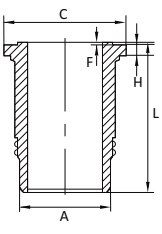
A = 144.50
C = 153.80
H = 9.92
F = 1.00
L = 253.00

A = 144.50
C = 153.80
H = 10.42
F = 1.00
L = 253.00



A = 144.50
C = 153.80
H = 9.92
F = 1.00
L = 253.00

A = 144.50
C = 153.80
H = 10.42
F = 1.00
L = 253.00

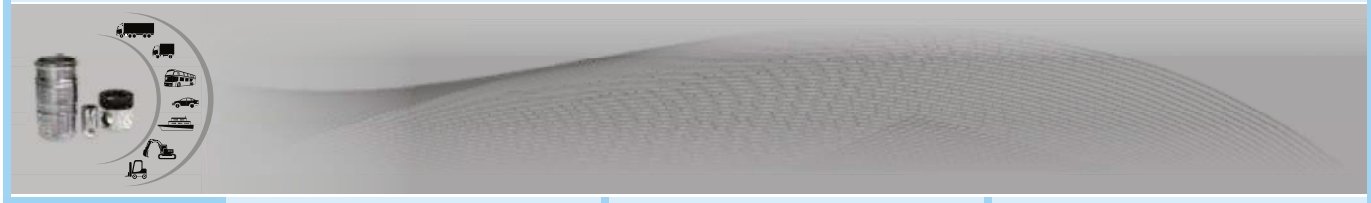




P 510 405 Std.
PR 510 405

P 510 410 Std.
L 510 410
L 510 411
PR 510 410
K 510 410

P 510 415 Std.
L 510 415
L 510 416
PR 510 415
K 510 415





64

65

Diesel Motor OM 441,
11309 ccm, 150/165 kW
(204/225 PS) 16.9/17.2:1;
Vehicle 1622, O 303
Diesel Motor OM 442,
15080 ccm, 206/218 kW (280/296 PS)
16.9:1;
Vehicle 1628, 1928, 2228, 3228, 1929, 2429, O 303
Diesel Motor OM 443, 18848 ccm
Diesel Motor OM 444,
22618 ccm 142 mm Hub, 1988-

66

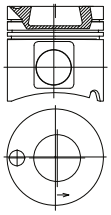
Motor OM 521 LA.940,
11946 ccm, 315 kW, (428 PS), 17,25:1
Vehicle Actors 1996 - 2000
Motor OM 521 LA.940,
11946 ccm, 315 kW, (428 PS), 17,75:1
Vehicle Actors 2000 -
Motor OM 522 LA.940 - 943 15928
ccm, 362,413,420 kW,
(492,562,571 PS), 17,25:1
Vehicle Actors 1996 - 2000
Motor OM 541 LA. 920,926,940,941
11946 ccm, 230 kW, (313 PS), 17,25:1
Vehicle Actors 1831,1932,2031, 1996 - 2000 2032,2531,2532,2631,3231,3331
1997 - 2000



Ø128.00 mm.
128P32

Cyl 81.45
6 -24.60
126.45

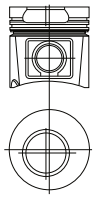
CSY
PAK



Ø 130.00 mm.
130P13

Cyl. 81.35
6/8/10 -27.20
126.35

CSY
YPO



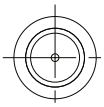
Combustion Bowl 60.35

Ø 130.00 mm.
130P14

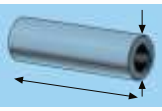
Cyl 78.55
6/8 -16.25
123.55



CSY
PBP
SKP
KMP
YPO



Combustion Bowl 92.80



46.00
105.00

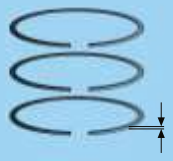


46.00
99.00

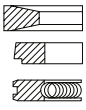


52.00
103.00

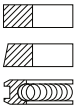




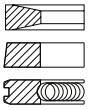
3.00
3.00
4.00



3.00 Mo
3.00 Cr
4.00 Cr

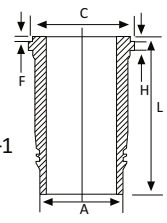


3.00
3.00
4.00

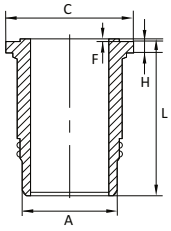




A = 144.50
C = 153.80
L = 253.00
H + F=9.92+1



A = 150.00
C = 164.00
H = 10.12
F = 1.15
L = 258.00

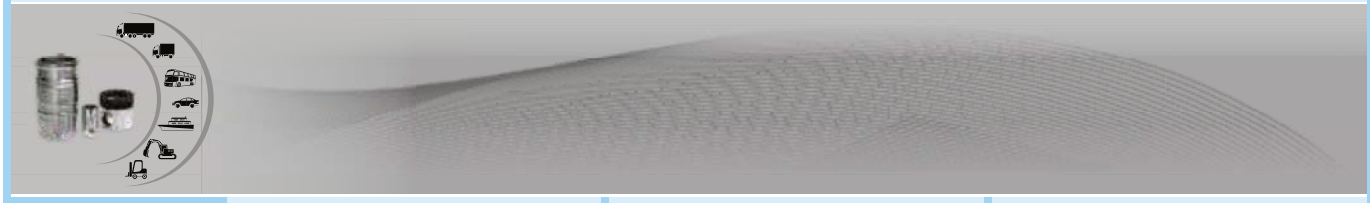


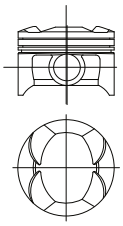
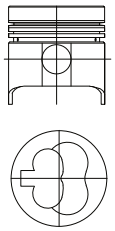
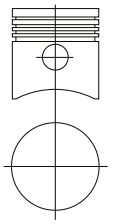
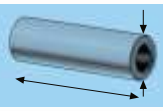
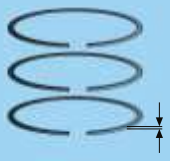
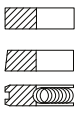
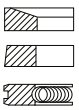
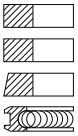


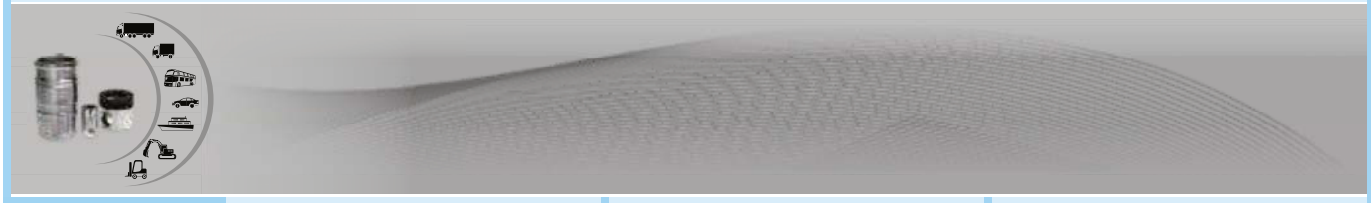
P 510 435 Std.
PR 510 435

P 510 320 Std.
L 510 320
PR 510 320
K 510 320

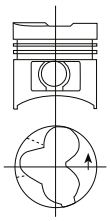
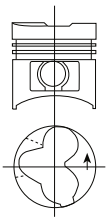
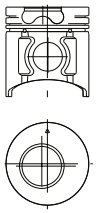
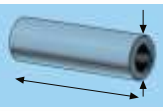
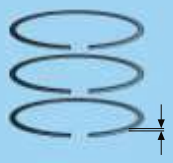
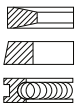
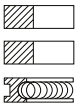
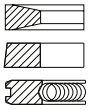
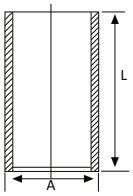
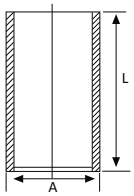
P 510 420 Std.
L 510 420
PR 510 420
K 510 420

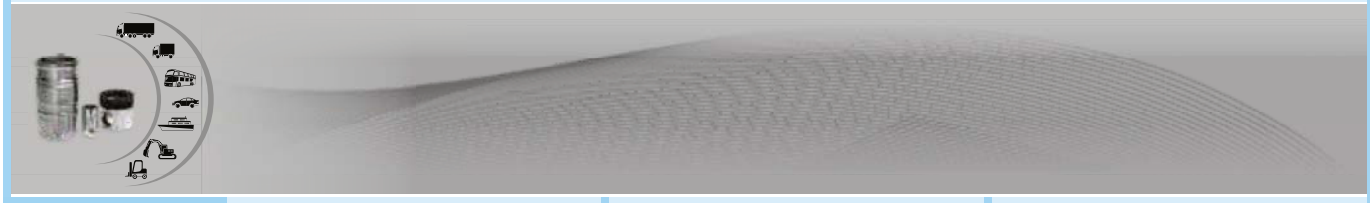


	01	02	03
			**Motor M7 NM** 406 ccm (7 PS) 21:1; **Vehicle** Katsura
	**Ø72.00 mm.** 72P07 Cyl 30.56 - 5.60 51.56 	**Ø76.00 mm.** 76P10 Cyl 34.50 -1.46 - 0.52 64.50 	**Ø 78.00 mm.** 78P09 Cyl. 43.00 4 80.00 
	18.00 56.00 	21.00 61.00 	23.00 65.00 
	1.00 1.20 2.00 	2.00 2.00 3.00 	2.50 2.50 2.50 4.00 
			
	P 520 135 Std. P 520 135 0.25 P 520 135 0.50 PR 520 135	P 520 140 Std. PR 520 140	P 520 120 Std. PR 520 120

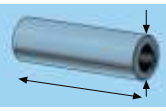
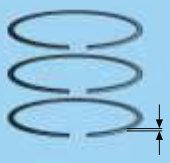


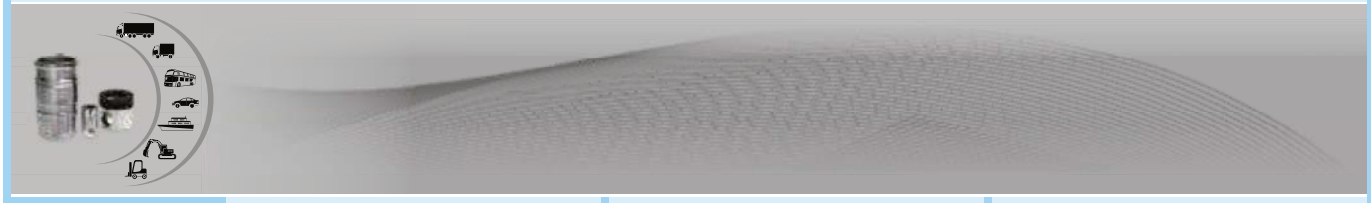


	04	05	06
	Motor 4D55T 2346 ccm, 21:1 **Vehicle** Eterna 1980-1986, Galant 1980-1986, L 300 1980-1986, Pajero 1980-1986, Shogun Estate 1980-1986,	**Motor 4D56T** 2476 ccm, 22:1 **Vehicle** Pajero 4WD Turbo 1986-, Shogun 1986-1989,	
	**Ø 91.10 mm.** 91P03 Cyl. 48.70 4 -3.10 -2.30 88.70 PSP CSY 	**Ø 91.10 mm.** 91P04 Cyl. 48.70 4 -3.10 -2.30 88.70 PSP CSY 	**Ø 104.00 mm.** 104P13 Cyl 62.13 4/6 -22.86 112.15 CSY SKP YPO  Combustion Bowl 49.00
	29.00 74.50 	29.00 74.50 	36.00 88.00 
	2.50 Cr 2.00 Cr 4.00 Cr 	2.50 Cr 2.00 Cr 4.00 Cr 	3.00 2.00 4.00 
	A = 94.175 L = 165.00 	A = 94.175 L = 165.00 	
	P 520 100 Std. P 520 100 0.50 P 520 100 1.00 L 520 100 PR 520 100 K 520 100	P 520 105 Std. P 520 105 0.50 P 520 105 1.00 L 520 105 PR 520 105 K 520 105	P 520 125 Std. PR 520 125





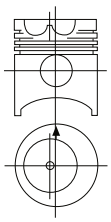
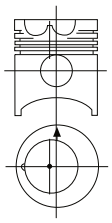
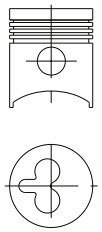
	Motor 6 DB 8553 ccm, **Vehicle** Fuso T330/310, 355, 337, 410, 1966-1974, Bus M(A)R 400/ 410/420/510, 520, 1968-1974, Fuso W80D, 82 D 1970-1974 **07**	**Motor 6 DB** 8553 ccm, **Vehicle** Fuso T330/310, 355, 337, 410, 1966-1974, Bus M(A)R 400/ 410/420/510, 520, 1968-1974, Fuso W80D, 82 D 1970-1974 **08**	**Motor 6 D** **09**
	**Ø 110.00 mm.** 110P13 Cyl. 77.60 6 -12.00 -4.20 -7.70 152.50	**Ø 110.00 mm.** 110P14 Cyl. 77.60 6 -12.00 -4.20 -7.70 152.50	**Ø 125.00 mm.** 125P19 Cyl. 84.40 6 -28.00 -1.20 -0.90 132.00 CSY
	40.00 95.00	40.00 95.00	46.00 108.00
	3.50 Cr 2.50 Cr 2.50 5.00 Cr	3.50 Cr 2.50 Cr 2.50 5.00 Cr	3.50 Cr 3.00 5.00 Cr
			
	P 520 110 Std. PR 520 110	P 520 130 Std. PR 520 130	P 520 115 Std. PR 520 115

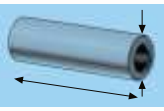




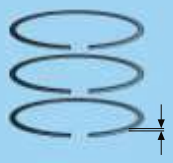
01	02	03
Diesel Motor D 225-Z 1700 ccm, 24 kW, (33 PS), 18:1 **Diesel Motor D 225-D** 2550 ccm, 36.7 kW, (50 PS), 18:1 **Diesel Motor D 225-V** 3400 ccm, 50 kW, (68 PS), 18:1 **Diesel Motor D 225-S** 5100 ccm, 75 kW, (102 PS), 18:1 **Diesel Motor D 325-Z** 1700 ccm, 24 kW, (33 PS), 18:1 **Diesel Motor D 325-D** 3400 ccm, 50 kW, (68 PS), 18:1 **Diesel Motor D 325-V** 3400 ccm, 50 kW, (68 PS), 18:1 **Diesel Motor D 225-S** 5100 ccm, 75 kW, (102 PS), 18:1 1967-1981	**Diesel Motor D 208-** 1490 ccm, 22.8 kW, (31 PS), 16.7:1 **Diesel Motor D 208-3** 2235 ccm, 34 kW, (46.5 PS), 16.7:1 **Diesel Motor D 208-4** 2980 ccm, 45.6 kW, (62 PS), 16.7:1 **Diesel Motor D 208-6** 4470 ccm, 68 kW, (93 PS), 16.7:1 **Diesel Motor D 308-2** 1490 ccm, 22.8 kW, (31 PS), 17.2:1 **Diesel Motor D 308-3** 2235 ccm, 34 kW, (46.5 PS), 17.2:1 **Diesel Motor D 308-4** 2980 ccm, 44 kW, (60 PS), 17.2:1 **Diesel Motor D 308-6** 4470 ccm, 68 kW, (93 PS), 16.7:1 1965-1973	

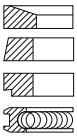
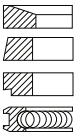
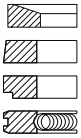


Ø 95.00 mm. 95P21 Cyl. 59.80 2/3/4/6 -17.50 112.80 PSP  Combustion Bowl 57.50	**Ø 95.00 mm.** 95P22 Cyl. 60.00 2/3/4/6 -20.50 113.00 PSP  Combustion Bowl 48.00	**Ø 95.00 mm.** 95P23 Cyl 60.00 2/3/4/6 -2.60 113.00 

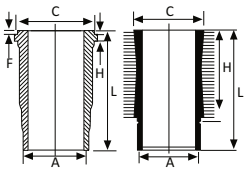
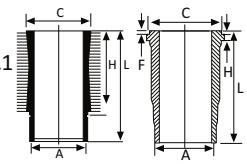


32.00 82.00 	32.00 82.00 	35.00 82.00 



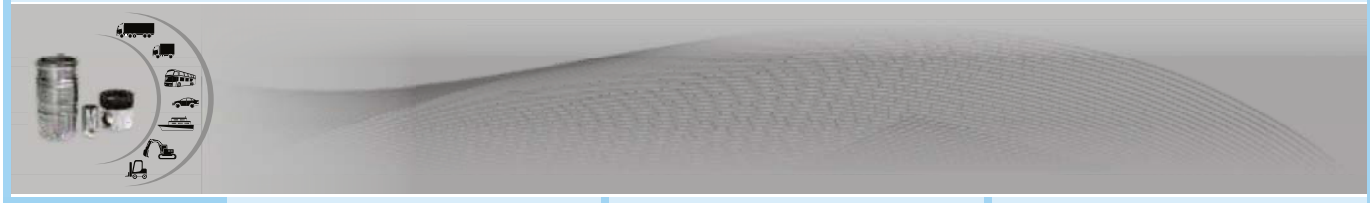
3.00 Cr 3.00 3.00 5.00 Cr 	3.00 Cr 3.00 3.00 5.00 Cr 	3.00 3.00 3.00 5.00 



A = 105.95 C = 114.00 L = 212.00 H = 8.00 A = 105.95 C = 101.00 L = 212.00 H + F=131+5.1 	A = 105.95 C = 101.00 L = 200.00 H + F=131+5.1 A = 106.00 C = 114.00 L = 200.00 H = 8.00 	



P 525 100 Std. P 525 100 0.50 P 525 100 1.00 L 525 100 L 525 101 PR 525 100 K 525 100	P 525 105 Std. P 525 105 0.50 P 525 105 1.00 L 525 105 L 525 106 PR 525 105 K 525 105	P 525 150 Std. PR 525 150





Motor D 227, 1885 ccm, 25-27 kW, (34 - 36,5 PS), 22:1
Motor D 327, 1885 ccm, 24,5 kW, (33,5 PS), 18:1
Motor D 227 2827 ccm, 43-45 kW, (58,5 - 61 PS), 22:1
Motor D 327 2827 ccm, 37 kW, (50 PS), 18:1
Vehicle Stationary engine 1970 - 1977

04

Motor D 227, 1885 ccm, 25 - 27 kW, (34 - 36,5 PS), 22:1
Motor D 327, 1885 ccm, 24,5 kW, (33,5 PS), 18:1
Motor D 227 2827 ccm, 43-45 kW, (58,5 - 61 PS), 22:1
Motor D 327 2827 ccm, 37 kW, (50 PS), 18:1
Vehicle Stationary engine 1978 -

05

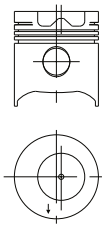
06



Ø 100.00 mm.
100P44

Cyl 2/3/4/6: 59.80 / -17.50 / 112.80

CSY
PSP

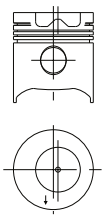


Combustion Bowl 56.00

Ø 100.00 mm.
100P45

Cyl 2/3/4/6: 60.40 / -19.30 / 113.40

CSY
PSP

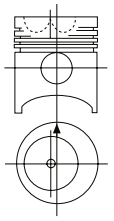


Combustion Bowl 56.00

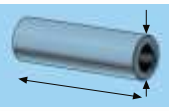
Ø 105.00 mm.
105P11

Cyl. 2/3/4/6: 60.40 / -20.25 / 113.40

PSP



Combustion Bowl 62.00



32.00
82.00

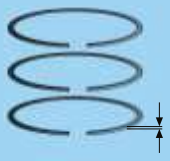


35.00
82.00

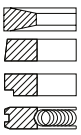


35.00
82.00

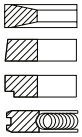




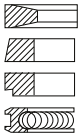
3.00
2.00
2.00
4.00



3.00
2.00
2.00
4.00



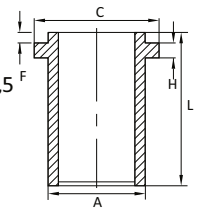
3.00 Cr
2.00
2.00
4.00 Cr





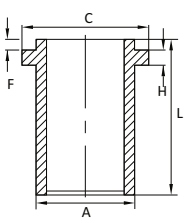
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C = 119
L = 212.00
H + F= 8 + 0,5

A = 112.95
C = 119
L = 212.00
H = 131.00

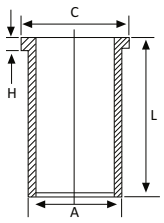


A = 112.95
C = 119
L = 212.00
H + F= 8 + 0,5

A = 112.95
C = 119
L = 212.00
H = 131.00



A = 108.00
C = 111.80
L = 214.00
H = 6.00



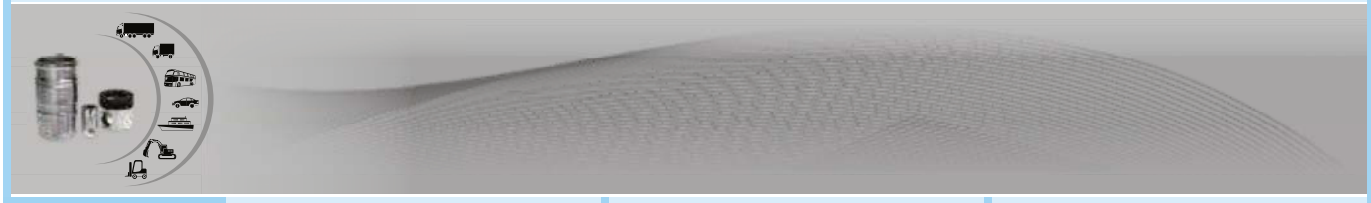


P 525 140 Std.
P 525 140 0.50
P 525 140 1.00
L 525 140
L 525 141
PR 525 140
K 525 140

P 525 145 Std.
P 525 145 0.50
L 525 145
L 525 146
PR 525 145
K 525 145

P 525 115 Std.
L 525 115
PR 525 115
K 525 115

M
MWM





Diesel Motor D 226-2 **07**
2080 ccm, 27-30 kW, (36.7-40 PS),
Diesel Motor D 226-3
30120 ccm, 44-48 kW, (60-65 PS),
Diesel Motor D 226-4
4160 ccm, 59-64 kW, (80-87 PS),
Diesel Motor D 226-6
6234 ccm, 74-96 kW, (100-130.5 PS),
1.6-18:1 1969-1977

Diesel Motor D 226-2, **08**
2080 ccm, 27/30 kW (36.7/40 PS);
Diesel Motor D 226-3,
3120 ccm, 44/48 kW (60/65 PS);
Diesel Motor D 226-4,
4160 ccm, 59/64 kW (80/87 PS);
Diesel Motor D 226-6,
6234 ccm, 74/96 kW (100/130.5 PS),
1.6/18:1; 120 mm

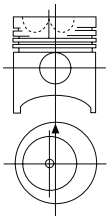
Motor D 916-2 **09**
2080 ccm, 24 kW, (33 PS), 22:1
Motor D 916-3
3120 ccm, 36 kW, (49 PS), 22:1
Motor D 916-4
4160 ccm, 48 kW, (66 PS), 22:1
Motor D 916-6
6234 ccm, 74 kW, (100 PS), 22:1
Vehicle 1974 - 1977



Ø 105.00 mm.
105P12

Cyl. 59.80
2/3/4/6 -19.80
112.80

PSP

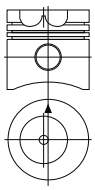


Combustion Bowl 62.00

Ø 105.00 mm.
105P13

Cyl. 60.40
6 -20.40
102.40

CSY

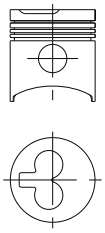


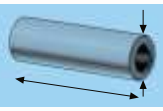
Combustion Bowl 60.00

Ø 105.00 mm.
105P14

Cyl 60.40
2/3/4/6 -4.90
113.40

PSP





32.00
82.00

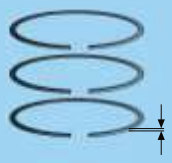


35.00
82.00

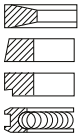


35.00
82.00

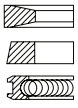




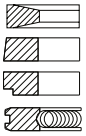
3.00 Cr
2.00
2.00
4.00 Cr



3.00 Cr
2.00
4.00 Cr

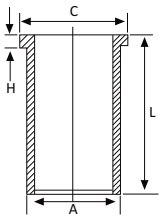


3.00
2.00
2.00
4.00

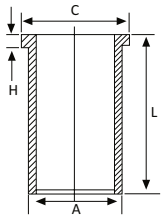




A = 108.00
C = 111.80
L = 214.00
H = 6.00



A = 108.00
C = 111.80
L = 214.00
H = 6.00

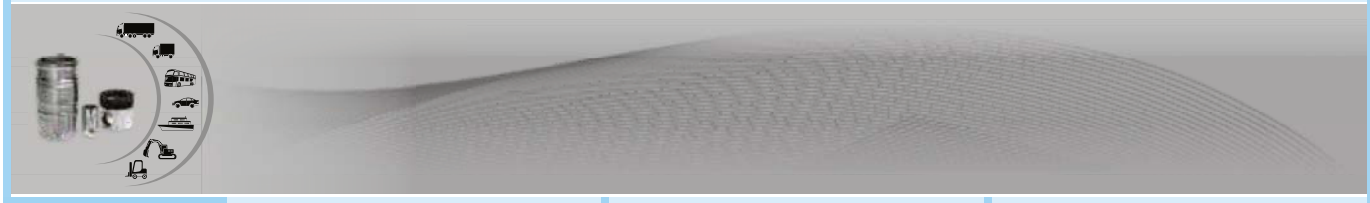




P 525 110 Std.
L 525 110
PR 525 110
K 525 110

P 525 120 Std.
L 525 120
PR 525 120
K 525 120

P 525 125 Std.
PR 525 125

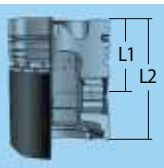




Diesel Motor D 226-2 **10**
2080 ccm, 27-30 kW, (36.7-40 PS),
Diesel Motor D 226-3
30120 ccm, 44-48 kW, (60-65 PS),
Diesel Motor D 226-4
4160 ccm, 59-64 kW, (80-87 PS),
Diesel Motor D 226-6
6234 ccm, 74-96 kW, (100-130.5 PS),
1.6-18:1 1969-1977

Diesel Motor D 226-2 **11**
2080 ccm, 27-30 kW, (36.7-40 PS),
Diesel Motor D 226-3
30120 ccm, 44-48 kW, (60-65 PS),
Diesel Motor D 226-4
4160 ccm, 59-64 kW, (80-87 PS),
Diesel Motor D 226-6
6234 ccm, 74-96 kW, (100-130.5 PS),
1.6-18:1 1969-1977

Motor TD 226 B-3 **12**
3117 ccm, 51-48 kW,
(70 - 114 PS), 15,5:1
Vehicle 1985 - 1998
Motor TD 226 B-4
4154 ccm, 60 - 77 kW,
(82 - 105 PS), 15,5:1
Vehicle 08.1987 - 2001
Motor TD 226 B-6
6234 ccm, 81 - 136 kW,
(110 - 185 PS), 16,4:1



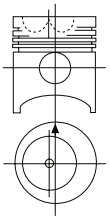




Ø 105.00 mm.
105P15

Cyl.	59.80
2/3/4/6	-19.80
	112.80

PSP
CSY

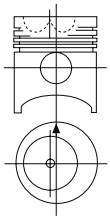


Combustion Bowl 62.00

Ø 105.00 mm.
105P16

Cyl.	60.40
2/3/4/6	-20.25
	113.40

PSP
CSY

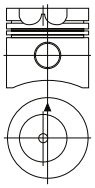


Combustion Bowl 62.00

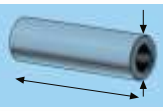
Ø 105.00 mm.
105P17

Cyl	66.40
3/4/6	-21.70
	102.40

CSY



Combustion Bowl 60.00



32.00
82.00

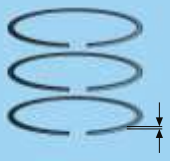


35.00
82.00

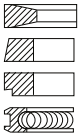


35.00
88.00

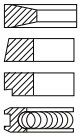




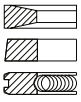
3.00 Cr
2.00
2.00
4.00 Cr



3.00 Cr
2.00
2.00
4.00 Cr

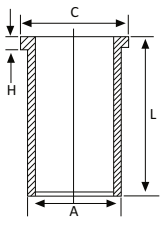


3.00
2.00
4.00

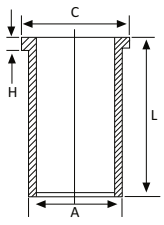




A = 108.00
C = 111.80
L = 214.00
H = 6.00

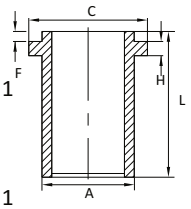


A = 108.00
C = 111.80
L = 214.00
H = 6.00



A = 115.00
C = 123
L = 213.00
H + F= 8.05 + 1

A = 125.00
C = 123
L = 213.00
H + F= 8.25 + 1

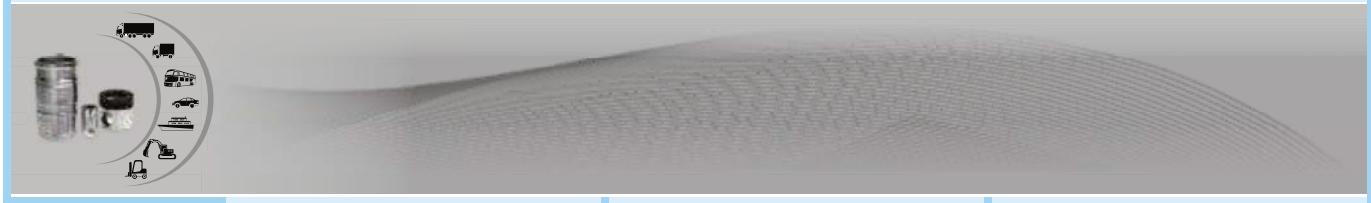




P 525 130 Std.
L 525 130
PR 525 130
K 525 130

P 525 135 Std.
L 525 135
PR 525 135
K 525 135

P 525 155 Std.
L 525 155
L 525 156
PR 525 155
K 525 155

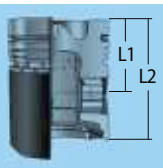




01

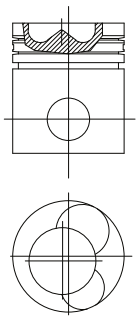
Navistar DT 466
Diesel

02



Ø109.22 mm.
109P01

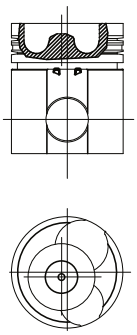
Cyl	94.15
	-1.30
CSY	-3.0
KMP	-18.80
	127.60



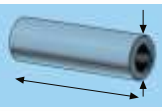
Combustion Bowl 65.50

Ø 109.22 mm.
109P04

	86.60
Cyl	-1.35
6	-1.85
	-23.00
CSY	127.80



Combustion Bowl 65.50

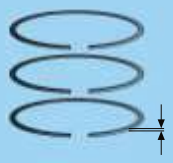


41.275
88.90

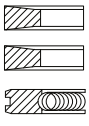


41.275
89.20

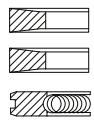




3.16
3.16
6.335

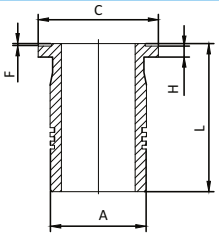


3.175
3.175
4.000

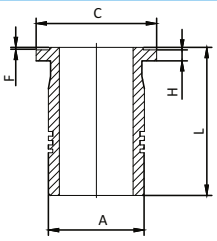




A = 122.15
C = 133.25
H = 8.95
F = 1.25
L = 239.50



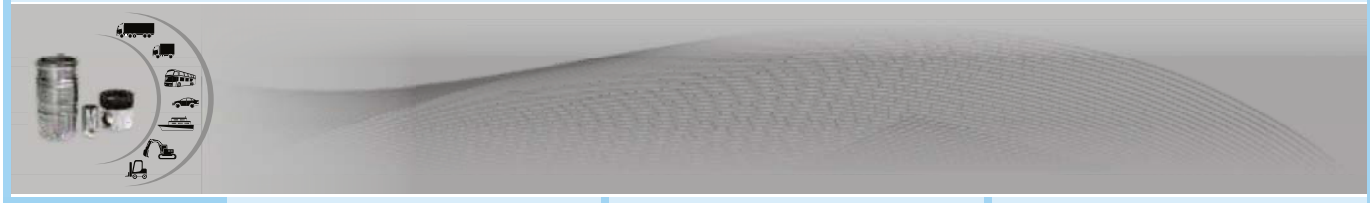
A = 122.15
C = 133.25
H = 8.95
F = 1.25
L = 239.50

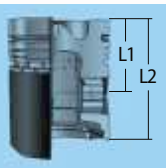
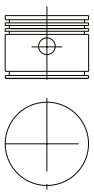
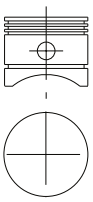
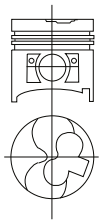
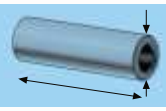
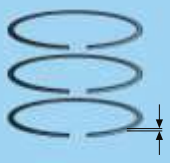
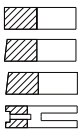
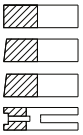
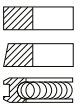


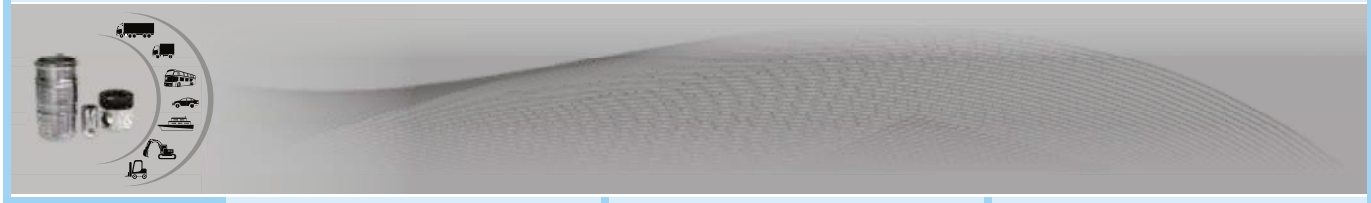


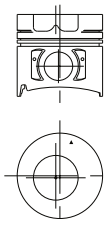
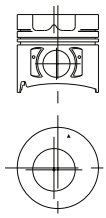
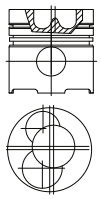
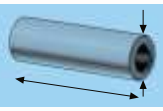
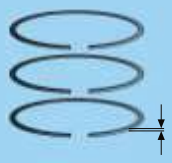
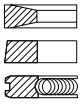
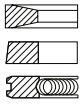
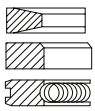
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K 845 100

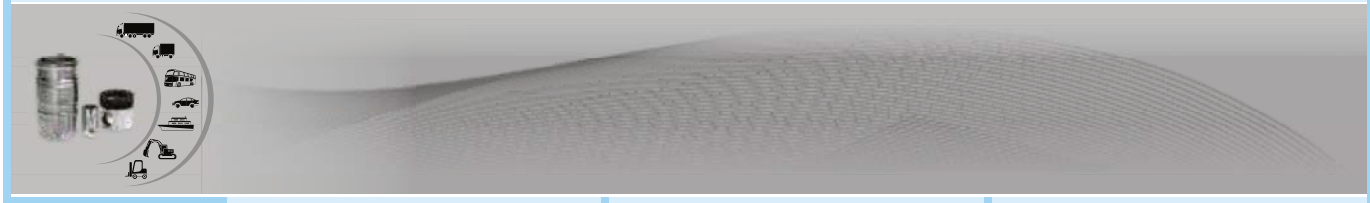
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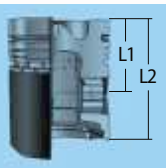
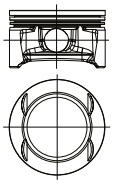
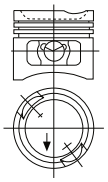
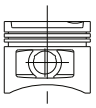
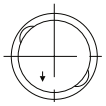
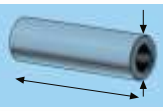
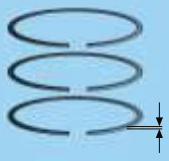
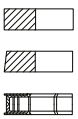
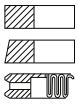
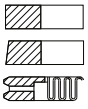
	01	02	03
			**Motor TD 25** 2494 ccm, 56 kW, (75 PS), **Vehicle** Levent 2.5 MD
	**Ø 80.00 mm.** 80P14 Cyl 29.45 4 60.45 ESP 	**Ø 85.00 mm.** 85P08 Cyl 34.45 4 70.45 ESP 	**Ø 92.90 mm.** 92P16 Cyl. 50.30 4 -1.50 -0.50 -0.80 87.00 PSP CSY 
	16.00 71.00 	18.00 76.00 	28.00 80.00 
	3.00 3.00 3.00 4.00 	3.00 3.00 3.00 4.00 	2.50 Cr 2.00 Cr 4.00 Cr 
			
	P 530 130 Std. PR 530 130	P 530 140 Std. PR 530 140	P 530 100 Std. PR 530 100

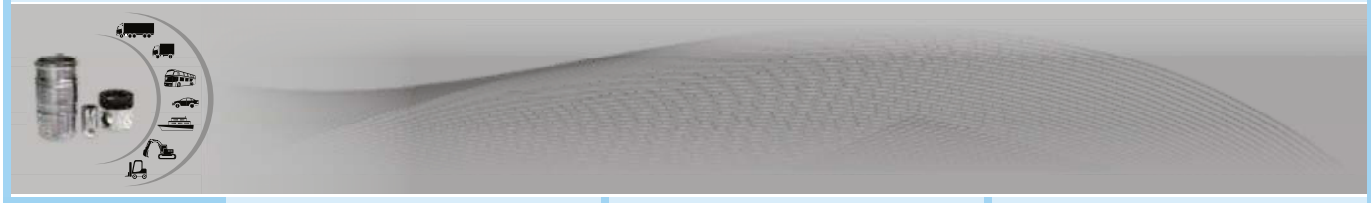


	04	05	06
			
	**Ø 108.00 mm.** 108P12 Cyl 65.50 4/6 -21.20 103.60 CSY PSP YPO  Combustion Bowl 56.50	**Ø 108.00 mm.** 108P13 Cyl 65.50 4/6 -21.20 103.60 CSY PSP  Combustion Bowl 56.50	**Ø 133.00 mm.** 133P01 Cyl 81.90 -1.00 -30.16 131.90 CSY  Combustion Bowl 67.00
	36.00 93.80 	36.00 93.80 	46.00 115.3 
	2.50 2.00 4.00 	3.00 2.00 4.00 	4.05 3.50 6.00 
			
	P 530 105 Std. PR 530 105	P 530 106 Std. PR 530 106	P 530 150 Std. PR 530 150

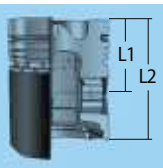
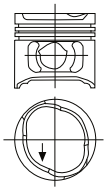
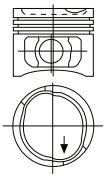
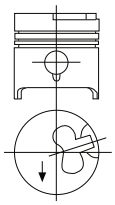
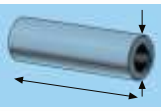
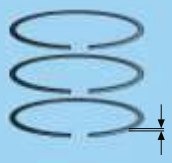
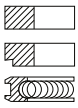
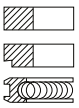
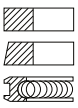
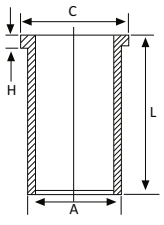


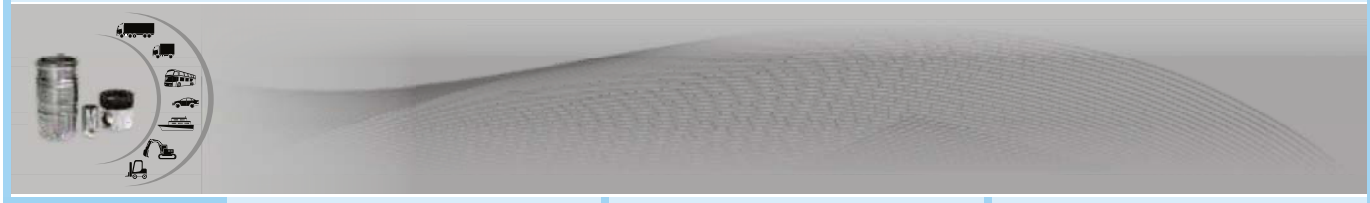


	01	02	03
	Motor Z 1.4 XEP, Euro 4 1364 ccm, 66 kW , (90 PS), 10.5:1 **Vehicle** Astra 2004 Corsa 2001 Meriva 2003	**Motor 105,116** 1570 ccm, **Vehicle** Alfa 75, Alfetta Giullia Ti, 1600 Spider,Sprint,SprintGT,1975-1985	**Motor 1.3 S** 1297 ccm, 42 - 55 kW, (57 - 75 PS), 9,2:1 **Vehicle** 08.1979 - 02.1993 **Motor 1.3 SB** 1297 ccm, 51 kW, (70 PS), 9,2:1 **Vehicle** 08.1982 - 02.1989
  	**Ø73.40 mm.** 73P04 Cyl 23.00 4 -1.25 -1.33 -1.35 44.00  Combustion Bowl 52.00	**Ø 75.00 mm.** 75P09 Cyl. 35.80 4 -4.40 -6.80 62.40 35.50 PSP -4.40 KYA -6.80 62.10 	**Ø 75.00 mm.** 75P10 Cyl 35.80 4 -3.60 -5.40 62.40  35.50 PSP -3.60 KYA -5.40 62.10  35.30 -3.60 -5.40 61.90
	18.00 51.00 	20.00 65.50 	20.00 65.00 
	1.20 N 1.20 P 2.00 Cr 	1.50 Cr 1.50 4.00 Cr 	1.50 1.50 4.00 
			
	P 535 190 Std. PR 535 190	P 535 135 Std. P 535 135 0.50 P 535 135 0.75 P 535 135 1.00 PR 535 135 K 535 135	P 535 180 Std. P 535 180 0.50 P 535 180 0.75 P 535 180 1.00 P 535 180 1.50 PR 535 180

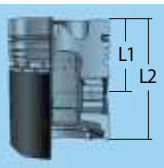
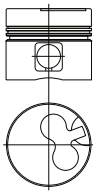
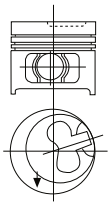
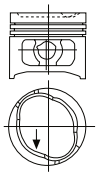
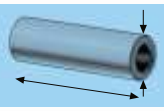
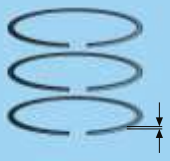
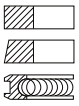
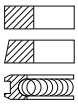
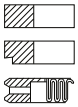
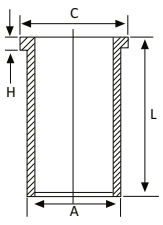


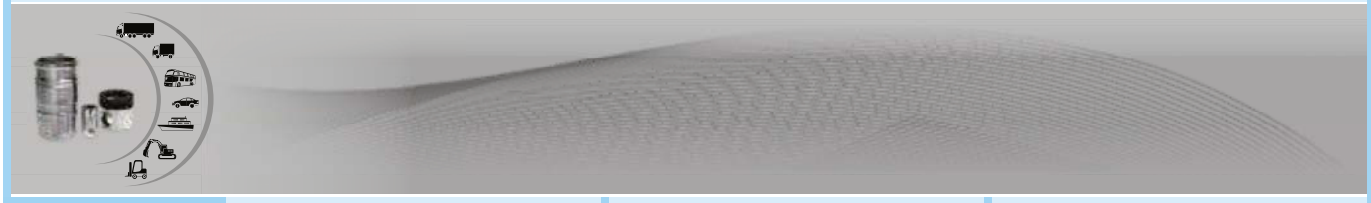


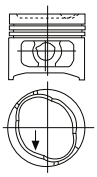
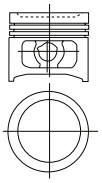
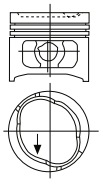
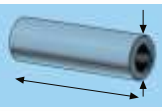
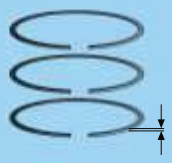
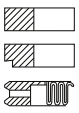
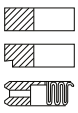
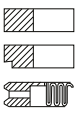
	04	05	06
	Motor 1.6 Ltr 1598 ccm, 55 kW, (75 PS), 8.2:1 **Vehicle** Ascona 1982-	**Motor 1.6 Ltr.** 1598 ccm, 66 kW, (90 PS), 9.2:1 **Vehicle** Kadett, Ascona, 10.1981-	**Diesel Motor 1.6 Ltr** 1598ccm, 39.5 kW, (54 PS), 23:1 **Vehicle** Kadett D, Ascona D, 1983
  	**Ø 80.00 mm.** 80P15 Cyl. 40.00 4 -5.20 72.00 DSP  Combustion Bowl 65.60	**Ø 80.00 mm.** 80P16 Cyl. 40.00 4 -3.20 72.00 DSP  Combustion Bowl 65.00	**Ø 80.00 mm.** 80P17 Cyl. 44.95 4 -1.40 76.95 PSP CSY 
	23.00 70.00 	23.00 70.00 	26.00 65.00 
	1.50 Cr 1.75 4.00 Cr 	1.50 Cr 1.75 4.00 Cr 	2.00 Cr 2.00 3.00 Cr 
			A = 83.00 C = 84.90 L = 143.50 H = 4.50 
	P 535 130 Std. P 535 130 0.50 PR 535 130	P 535 160 Std. P 535 160 0.50 P 535 160 0.75 P 535 160 1.00 PR 535 160	P 535 100 Std. P 535 100 0.50 P 535 100 1.00 L 535 100 PR 535 100 K 535 100

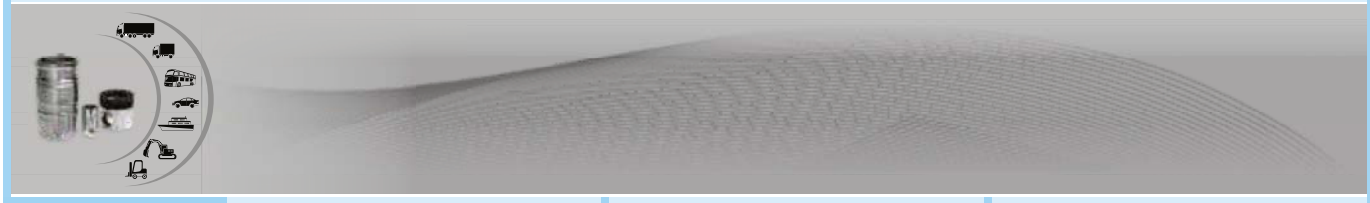




	07	08	09
	dto.,	**Diesel Motor 1.7 Ltr.** 1692 ccm, 42 kW, (57 PS), 23:1 **Vehicle** Vectra D, 1988-	**Motor 1.8 Ltr** 1795 ccm, 62-70 kW, (84-95 PS), 9.2:1 **Vehicle** Manta, Ascona, 09.1982-
	**Ø 82.50 mm.** 82P11 Cyl. 44.95 4 -2.60 67.00 PSP CSY 	**Ø 82.50 mm.** 82P12 Cyl. 44.95 4 -2.60 72.95 PSP CSY 	**Ø 84.80 mm.** 84P23 Cyl. 40.00 4 -2.80 72.00 39.70 -2.80 71.70 PSP KYA 39.50 -2.80 71.50  Combustion Bowl 69.00
	26.00 68.80 	26.00 69.00 	23.00 70.00 
	2.00 2.00 3.00 	2.00 Cr 2.00 3.00 Cr 	1.50 Cr 1.75 4.00 Cr 
		A = 85.50 C = 87.50 L = 142.00 H = 4.50 	
	P 535 170 Std. P 535 170 0.50 P 535 170 1.00 PR 535 170	P 535 105 Std. P 535 105 0.50 P 535 105 1.00 L 535 105 PR 535 105 K 535 105	P 535 140 Std. P 535 140 0.50 PR 535 140



	10	11	12
	**Motor 1.8 Ltr.** 1795 ccm, 50.5-55kW, (69-75 PS), 8.2:1 **Vehicle** Ascona, Record, 09.1982-1985	**Motor 1.8 Ltr** 1796 ccm, 84.85 kW, (114-115 PS), 9.5:1 **Vehicle** Kadett GTE, Ascona E, 09.1982-1986	**Motor 1.8 Ltr.** 1796 ccm, 74 kW, (100 PS), 8.9:1 **Vehicle** Kadett i, Ascona i, Record i, 1985-1986
	**Ø 84.80 mm.** 84P24 Cyl. 40.00 4 -4.90 72.00 39.70 -4.90 71.70 PSP KYA 	**Ø 84.80 mm.** 84P25 Cyl. 40.00 4 -2.60 72.00 39.70 -2.60 71.70 PSP KYA 39.50 -2.60 71.50 	**Ø 84.80 mm.** 84P26 Cyl. 40.00 4 -2.70 -2.70 72.00 PSP 
	23.00 70.00 	23.00 70.00 	23.00 70.00 
	1.50 Cr 1.75 4.00 Cr 	1.50 Cr 1.75 4.00 Cr 	1.50 Cr 1.75 4.00 Cr 
			
	P 535 145 Std. P 535 145 0.50 PR 535 145	P 535 150 Std. P 535 150 0.50 PR 535 150	P 535 155 Std. P 535 155 0.50 PR 535 155



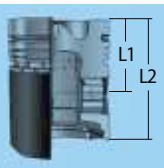


Motor 1.8 E **13**
1796 ccm, 85 kW , (115 PS), 10:1
Vehicle
Omega, Kadett GSI, Ascona
1986 - 1995

Motor 1.8 S, C 1.8 S, SV,
1796 ccm, 66 kW , (90 PS), 10:1
Vehicle
Omega 1986 - 1995

Motor C 2.0 XEV **14**
1998 ccm, 82 kW , (112 PS), 9.2:1
X 2.0 XEV
1998 ccm, 100 kW , (136 PS), 18.8:1
Vehicle
Astra,Calibra,Vectra 1994

Diesel Motor 2.0 Ltr **15**
1998 ccm, 40.5-43 kW,
(55-58 PS), 22:1
Vehicle Record D, Ascona D,
1974-1982

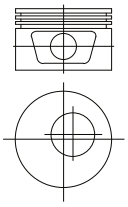






Ø84.80 mm.
84P27

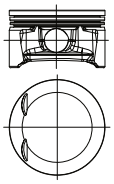
Cyl	33.65
4	-4.00
	53.65
	33.35
	-4.00
KYA	53.35



Combustion Bowl 42.60

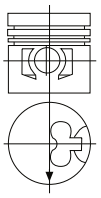
Ø86.00 mm.
86P09

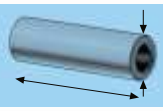
Cyl	30.40
4	-3.16
	-1.70
	55.40
KYA	30.10



Ø 86.50 mm.
86P23

Cyl.	53.75
4	-0.35
	-1.45
	88.75
PSP	
CSY	





21.00
61.50

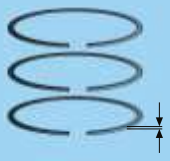


21.00
61.50

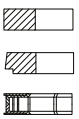


28.00
73.00

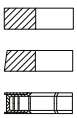




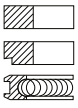
1.50 Cr
1.50
3.00 Cr



1.50 Cr Fe
1.50 P
3.00 Cr P

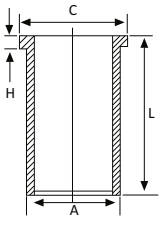


2.00 Cr
2.00
4.00 Cr





A = 92.00
C = 93.90
L = 172.00
H = 4.50

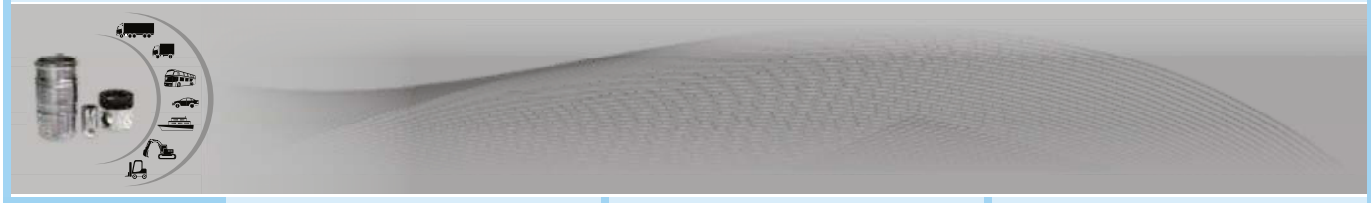




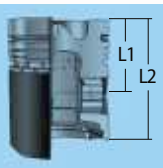
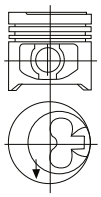
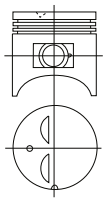
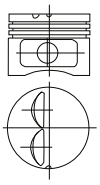
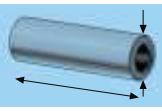
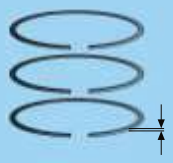
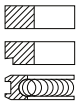
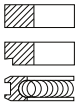
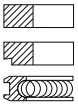
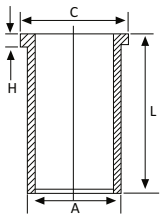
P 535 195 Std.
P 535 195 0.50
PR 535 195

P 535 200 Std.
P 535 200 0.50
P 535 200 1.00
PR 535 200

P 535 110 Std.
P 535 110 0.50
P 535 110 1.00
L 535 110
PR 535 110
K 535 110

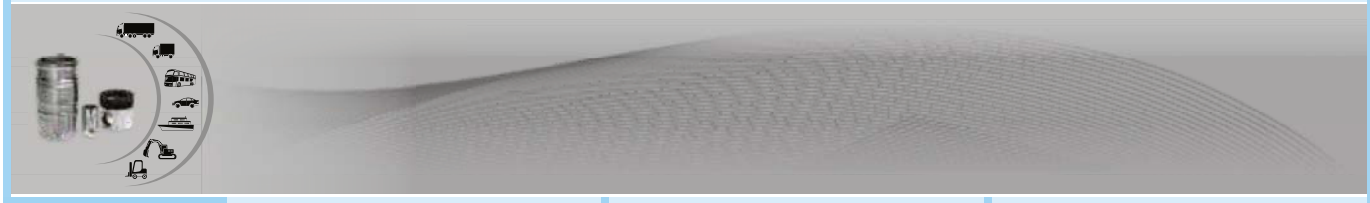




	16	17	18
	Diesel Motor 2.3 Ltr. 2260 ccm, 48-51.5 kW, (65-70 PS), 22:1 **Vehicle** Record D, Omega D, 1978-	**Motor 2.0 Ltr** 1979 ccm, 72-73.5 kW, (98-100 PS), 9:1 **Vehicle** Ascona, Manta, Record, 10.1975-1986 **Motor 2.0 Ltr** 1979 ccm, 77-84.5 kW, (105-115 PS), 9.4-9.6:1 **Vehicle** Kadett E, MantaE, Ascona E, Record E, Senator E, Monza 2.0 E, 10.1977-	**Motor 2.2 Ltr.** 2197 ccm, 84.5 kW, (115 PS), 9.4:1 **Vehicle** Record E, Senator E, 10.1985-1988
  	**Ø 92.00 mm.** 92P07 Cyl. 53.65 4 -1.80 86.65 PSP CSY 	**Ø 95.00 mm.** 95P24 Cyl. 45.00 4 -3.50 87.00 44.70 -3.50 86.70 DSP KYA 44.50 -3.50 86.50 	**Ø 95.00 mm.** 95P25 Cyl. 41.15 4 -4.00 67.15 40.85 -4.00 66.85 PSP KYA 
	30.00 74.00 	23.00 76.00 	23.00 70.00 
	2.00 Mo 2.00 4.00 Cr 	2.00 Mo 2.00 Mo 4.00 	1.75 Mo 1.50 Mo 3.50 
	A = 95.00 C = 96.90 L = 172.00 H = 4.55 		
	P 535 115 Std. P 535 115 0.50 P 535 115 1.00 L 535 115 PR 535 115 K 535 115	P 535 125 Std. P 535 125 0.50 P 535 125 1.00 PR 535 125	P 535 165 Std. P 535 165 0.50 PR 535 165

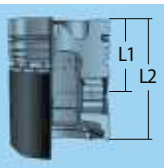
O

OPEL



Diesel Motor 5.330 **19**
5337ccm, 73.5 kW, (100 PS), 17.1:1
Vehicle Bedford-Blitz EJM 2/3,
EJN 3, 1974-1979



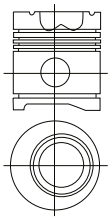


Ø 103.18 mm.
103P07

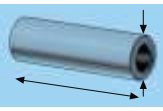
Cyl.	71.50
4/6	-21.40
	118.30



ESP
DDG

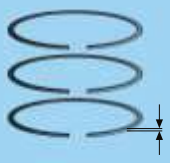




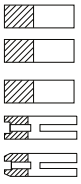


34.925
88.00



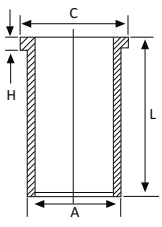


2.385 Cr
2.385
2.385
4.747
4.747



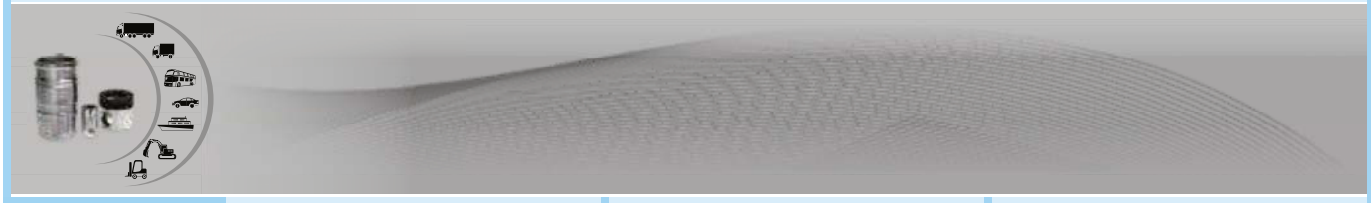


A = 107.95
C = 111.125
L = 216.30
H = 4.76

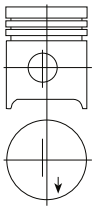
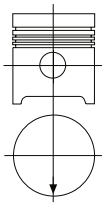
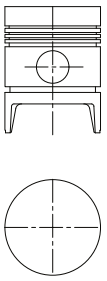
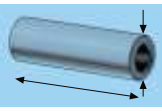
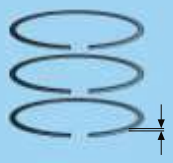
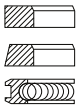
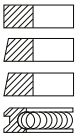
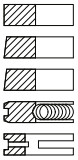
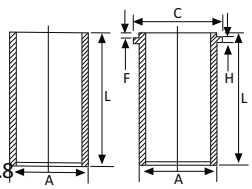
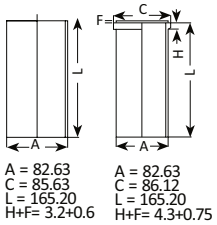
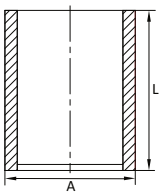




P 535 120 Std.
P 535 120 0.50
P 535 120 1.00
P 535 120 1.50
L 535 120
PR 535 120
K 535 120

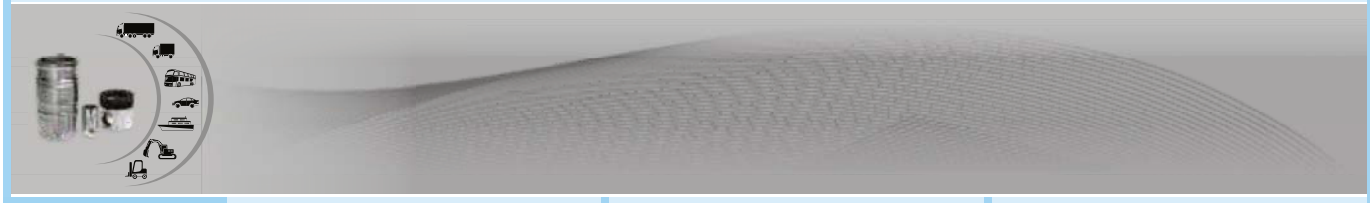




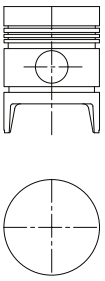
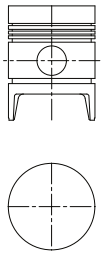
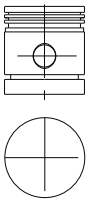
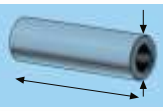
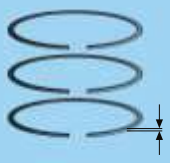
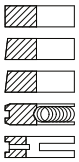
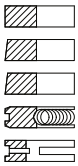
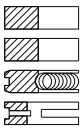
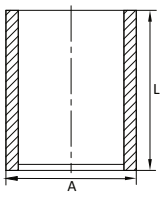
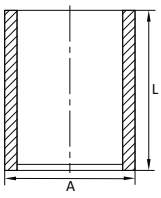
	01	**02**	**03**
	Diesel Motor 4.108 1753 ccm, 29.4-36.7-38 kW, (40-50-52 PS), 22:1, 1963-	**Motor OM 447 A Euro 1** 11970 ccm 17.25:1; 142 mm **Vehicle** 1992-	**Motor 4.108** 1760 cc 4cyl C.R. 22:1 **Vehicle** 1961
	**Ø 79.37 mm.** 79P05 Cyl. 50.21 4 88.20 CSY PSP 	**Ø 79.37 mm.** 79P06 Cyl. 50.20 4 88.20 CSY PSP 	**Ø79.37 mm.** 79P07 Cyl 50.12 4 104.80 ESP 
	27.00 67.00 	26.99 68.00 	26.99 67.90 
	2.00 2.50 4.76 	2.00 1.60 1.60 4.747 	2.00 1.60 1.60 3.16 4.74 
	A = 82.55 L = 165.10 A = 82.65 C = 85.630 L = 165.20 H + F=3.2+0.8 	A = 82.63 L = 165.20 A = 82.64 L = 165.20 A = 82.63 C = 86.12 L = 165.20 H+F= 4.3+0.75 A = 83.03 C = 86.12 L = 165.20 H+F= 4.3+0.75  A = 82.63 C = 85.63 L = 165.20 H+F= 3.2+0.6 A = 82.63 C = 86.12 L = 165.20 H+F= 4.3+0.75	A = 82.626 L = 165.100 
	P 540 100 Std. L 540 100 PR 540 100 K 540 100 L 540 101	P 540 220 Std. L 540 220 L 540 221 L 540 222 PR 540 220 K 540 220 L 540 223 L 540 224 L 540 220-1	P 540 255 Std. L 540 255 PR 540 255 K 540 255

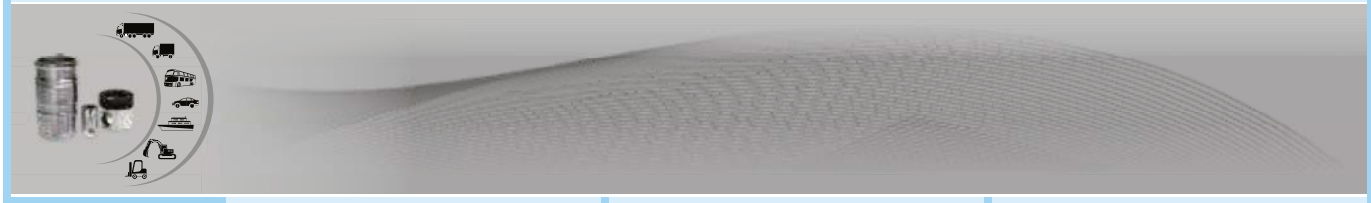
P

PERKINS

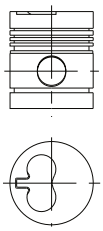
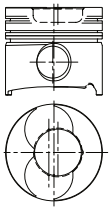
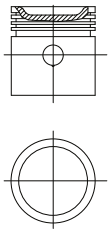
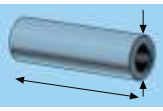
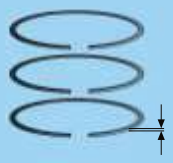
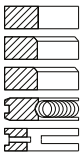
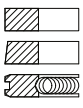
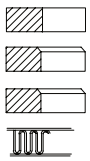




	04	05	06
	Motor 4.108 1760 cc 4cyl C.R. 22:1 **Vehicle** 1961	**Motor 4.108** 1760 cc 4cyl C.R. 22:1 **Vehicle** 1961	
	**Ø79.37 mm.** 79P08 Cyl 50.12 4 104.80 ESP 	**Ø79.37 mm.** 79P09 Cyl 50.12 4 105.18 ESP 	**Ø80.00 mm.** 80P18 Cyl 49.60 4 88.00 ESP 
	26.99 67.90 	26.99 67.90 	22.22 69.40 
	2.00 1.60 1.60 4.74 4.74 	2.00 1.60 1.60 3.16 4.74 	2.385 2.385 4.763 4.763 
	A = 82.626 L = 165.100 	A = 82.626 L = 165.100 	
	P 540 260 Std. L 540 260 PR 540 260 K 540 260	P 540 320 Std. L 540 320 PR 540 320 K 540 320	P 540 410 Std. PR 540 410

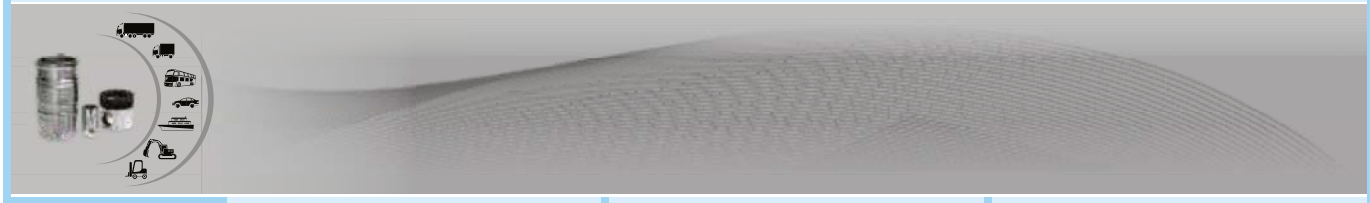


Diesel Motor Prima M 65
1993 ccm, 46 kW, (63 PS), 18:1:1;

07	08	09
		
	**Ø 84.00 mm.** 84P13 Cyl 4 60.12 -2.70 98.25 ESP 	**Ø 84.45 mm.** 84P22 Cyl 4 48.00 -13.60 -0.50 77.00 PSP CSY YPO  Combustion Bowl 41.00	**Ø 85,725 mm.** 87P11 Cyl 49.20 -8.40 90.50  Combustion Bowl 70.0
	28.575 70.90 	28.00 71.00 	21.855 69.5 
	2.385 2.385 2.385 4.747 4.747 	2.00 Mo 1.75 3.00 Cr 	2.385 3.16 3.16 6.335 
	P 540 380 Std. PR 540 380	P 540 105 Std. P 540 105 0.50 PR 540 105	P 540 490 Std. PR 540 490

P

PERKINS





Diesel Motor P 3, P 3.144, Python **10**
2360 ccm, 22-27-28 kW,
(30-35-38 PS), 16.5:1
Diesel Motor PA , PB, P 4, P.192, 4.192,Puma
3140 ccm, 29.5-32-37 kW, (40-44-50 PS), 16.5:1
Diesel Motor PF, PG, P 6, 6.288, Panther
4730 ccm, 45.5 kW, (62 PS), 16.5:1, 1937-1962

Diesel Motor 4.154, Miller **11**
2523 ccm, C.R 21.5:1;
1969-

Diesel 3.152, 3 B.152 **12**
2490 ccm, 14.5-27 kW, (20-37 PS), 17.4:1
Motor 4.203
3330 ccm, 20-46 kW, (27-63 PS), 17.4:1
Motor 6305,
5003 ccm, 29.5-65.5, (40-89 PS), 17.4:1, 1960-

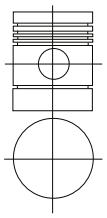


Ø 88.925 mm.
88P18

Cyl. 57.30
3/4/6 108.10

56.90
108.10

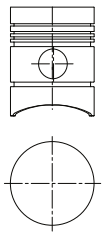
ESP
KYA



Ø 88.925 mm.
88P19

Cyl. 60.200
4 115.646

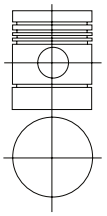
ESP

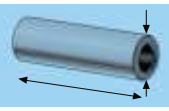


Ø 91.48 mm.
91P05

Cyl. 57.25
3/4/6 108.00

ESP
DDG





31.75
75.30

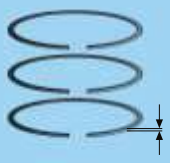


31.75
75.30

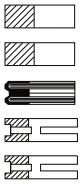


31.75
75.30

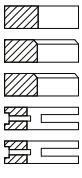




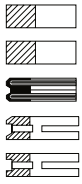
2.385
2.385
3.16
6.335
6.335



2.380
2.381
2.381
4.762
4.762



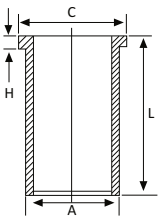
2.385
2.385
3.16
6.335
6.335



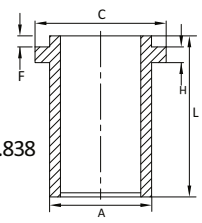


A = 93.713
C = 94.45
L = 215.90
H = 4.76

A = 93.751
C = 94.437
L = 215.90
H = 4.775

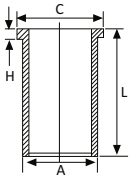


A = 96.888
C = 101.016
L = 191.211
H + F=3.810+0.838



A = 93.63
C = 96.77
L = 215.90
H = 1.10

A = 93.67
C = 96.70
L = 216.00
H = 3.76



A = 93.713
C = 96.70
L = 216.00
H = 3.76

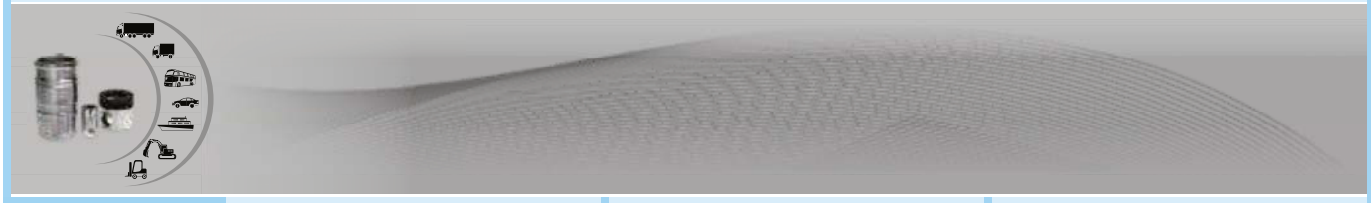
A = 93.94
C = 96.840
L = 215.90
H = 1.10



P 540 110 Std.
P 540 110 Std 1 L 540 111
L 540 110
PR 540 110
K 540 110

P 540 210 Std.
L 540 210
PR 540 210
K 540 210

P 540 115 Std.
L 540 115 L 540 117
L 540 116 L 540 118
PR 540 115
K 540 115





Motor D 3.152 **13**
2503 ccm, 35 kW, (47 PS DIN), 18.5:1
Motor D 4.203
3335 ccm, 40 kW, (54.5 PS) , 18.5:1 1962

Motor D 3.152 **14**
2490 ccm
Motor D 4.203
3335 ccm

Perkins (Millir) **15**



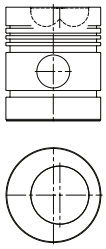




Ø 91.48 mm.
91P06

Cyl. 61.77
3/4 -18.34
109.35

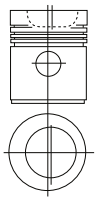
ESP



Combustion Bowl 55.88

Ø 91.48 mm.
91P07

Cyl. 61.63
6 -18.20
109.35

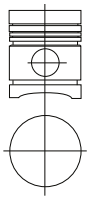


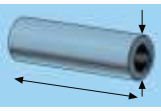
Combustion Bowl 59.80

Ø 91.48 mm.
91P08

Cyl. 56.95
3/4 107.70

ESP





31.75
75.30

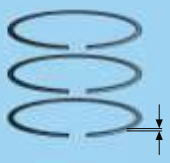


31.75
75.30

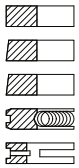


31.75
75.30

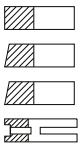




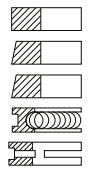
2.385
2.385
3.16
6.335
6.335



2.385 Cr
2.385
2.385
4.747 Cr

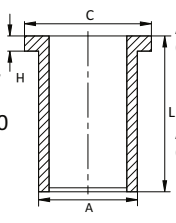


2.385
2.385
3.16
6.335
6.335





A = 93.97
C = 96.70
L = 216.00
H = 3.76

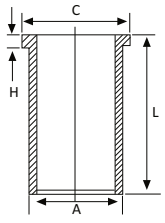


A = 92.67
C = 96.70
L = 216.00
H = 3.76

A = 93.713
C = 96.70
L = 216.00
H = 3.76

A = 93.713
C = 96.70
L = 216.00
H = 3.76

A = 93.67
C = 96.70
L = 216.00
H = 3.76





P 540 120 Std.
L 540 120
PR 540 120
K 540 120

L 540 121
L 540 122

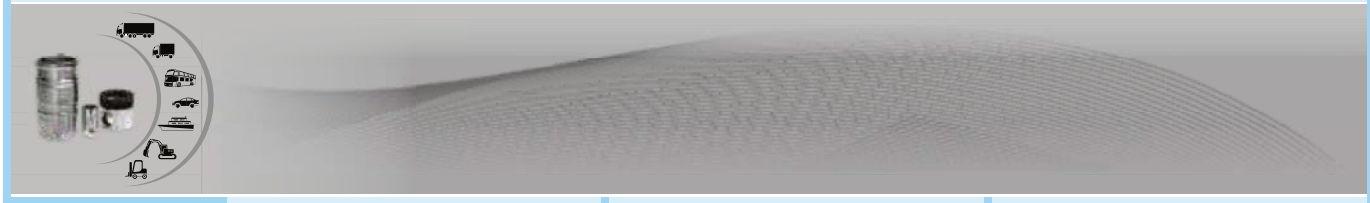
P 540 180 Std.
L 540 180
PR 540 180
K 540 180

L 540 181

P 540 185 Std.
PR 540 185

P

PERKINS





16

Reihenmotor,
Diesel motor T 3.152.4 ,
2503 cm^3 , 39 kW (53 PS),

17

Motor D 3.152
2503 ccm, 35 kW, (47 PS DIN), 18.5:1
Motor D 4.203
3335 ccm, 40 kW, (54.5 PS), 18.5:1 1962

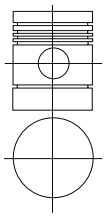
18



Ø 91.48 mm.
91P09

Cyl.	57.25
1	108.00

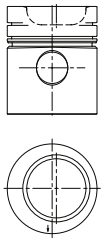
ESP
DDG



Ø91.48 mm.
91P10

Cyl	61.80
3/4/6	-18.30
	108.85

CSY
KMP

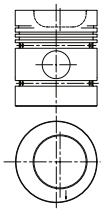


Combustion Bowl 59.90

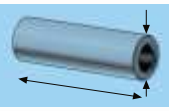
Ø91.48 mm.
91P11

Cyl	61.90
3/4	-18.89
	109.50

ESP



Combustion Bowl 59.70



31.75
75.30

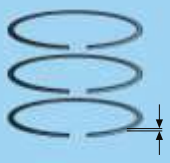


31.75
78.80

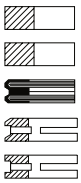


31.75
75.30

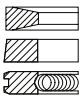




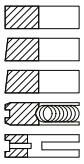
2.385
2.385
3.16
6.335
6.335



3.00
2.38
3.50



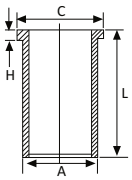
2.385
2.385
3.16
6.335
6.335





A = 93.63
C = 96.77
L = 215.90
H = 1.10

A = 93.67
C = 96.70
L = 216.00
H = 3.76

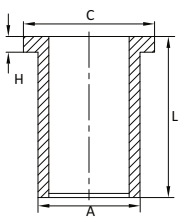


A = 93.713
C = 96.70
L = 216.00
H = 3.76

A = 93.94
C = 96.840
L = 215.90
H = 1.10

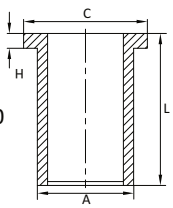
A = 93.73
C = 96.7
L = 216
H = 3.81

A = 93.67
C = 96.70
L = 216
H = 3.8



A = 93.98
C = 96.7
L = 216
H = 3.76

A = 93.97
C = 96.70
L = 216.00
H = 3.76



A = 92.67
C = 96.70
L = 216.00
H = 3.76

A = 93.713
C = 96.70
L = 216.00
H = 3.76



P 540 215 Std.
L 540 215
L 540 216
PR 540 215
K 540 215

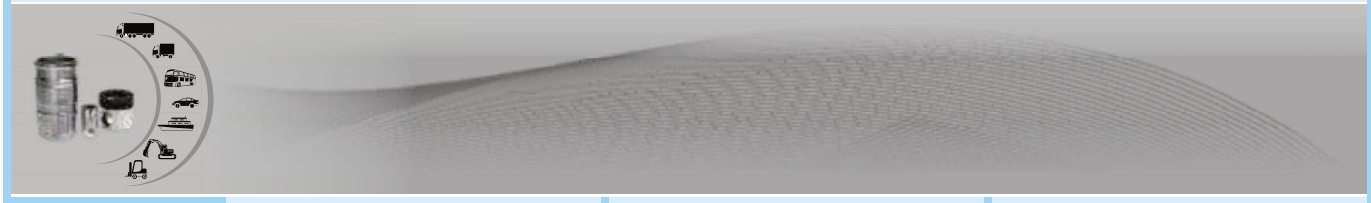
L 540 217
L 540 218

P 540 275 Std.
L 540 275
L 540 276
PR 540 275
K 540 275

L 540 277

P 540 290 Std.
L 540 290
L 540 292
PR 540 290
K 540 290

L 540 291

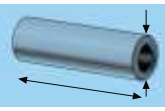




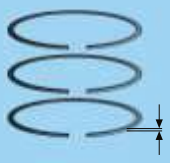
19	20	21
	Motor 4.203.2 3300 cc, 4 Cyl, C.R. 19:1	**Motor D3.152 /AD3.152** 2500 cc, 3 Cyl, Direct injection **Motor D4.203 /AD4.203** 3300cc, 4 Cyl, Direct injection



19	20	21
Ø91.48 mm. 91P12	**Ø91.48 mm.** 91P13	**Ø91.48 mm.** 91P14
Cyl 3/4/6 55.03 -20.10 102.53	Cyl 4 61.65 -21.95 109.30	Cyl 3/4 61.77 -18.34 109.35
		CSY ESP
Combustion Bowl 73.00	Combustion Bowl 30.00	Combustion Bowl 55.88



19	20	21
31.75 75.30	31.75 75.30	31.75 75.30



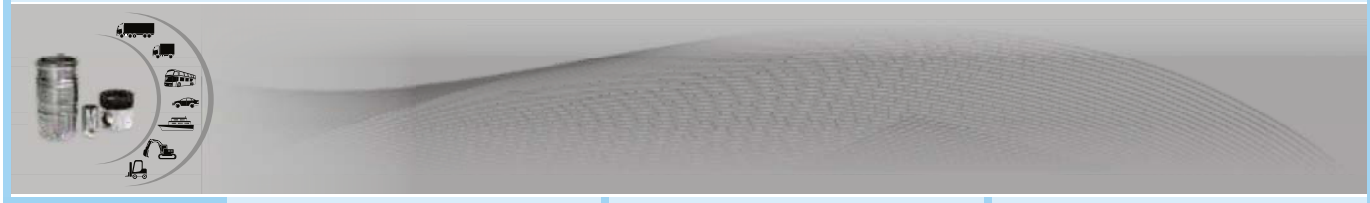
19	20	21
2.385 2.385 6.335	2.38 2.38 2.38 4.747	2.385 2.385 3.16 6.335 6.335



19	20	21
	A = 93.663 C = 96.723 L = 216.027 H = 3.810 A = 93.675 C = 96.774 L = 215.900 H = 1.430 A = 93.802 C = 96.774 L = 215.900 H = 1.143 A = 93.929 C = 96.774 L = 215.900 H = 1.430 A = 93.713 C = 96.723 L = 216.027 H = 3.810	A = 93.663 C = 96.723 L = 216.027 H = 3.81 A = 93.675 C = 96.774 L = 215.900 H = 1.430 A = 93.802 C = 96.774 L = 215.900 H = 1.143 A = 93.929 C = 96.774 L = 215.900 H = 1.143 A = 93.675 C = 96.723 L = 215.900 H = 3.81



19	20	21
P 540 300 Std. PR 540 300	P 540 305 Std. L 540 305 L 540 306 PR 540 305 K 540 305 L 540 307 L 540 308 L 540 309	P 540 330 Std. L 540 330 L 540 331 PR 540 330 K 540 330 L 540 332 L 540 333 L 540 334





Motor 6.305 **22**
5000 cc, 6 Cyl, C.R. 17.4:1 1958

Motor D 3.152 **23**
2503 ccm, 35 kW, (47 PS DIN), 18.5:1
Motor D 4.203
3335 ccm, 40 kW, (54.5 PS), 18.5:1 1962

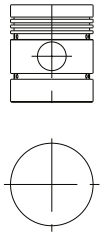
Diesel Motor T 6.354.4 **24**
5794 ccm, 88-114 kW, 108-111 kW, (120-155 PS DIN), 145-151 PS SAE,16:1, 1975



Ø91.48 mm.
91P15

Cyl	56.92
6	107.70

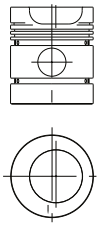
ESP



Ø91.48 mm.
91P16

Cyl	61.90
3/4/6	-18.89
	109.50

CSY
ESP

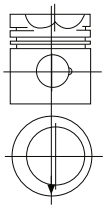


Combustion Bowl 59.70

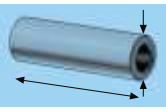
Ø 98.48 mm.
98P30

Cyl.	69.82
6	-18.82
	107.82

PSP
CSY
KMP



Combustion Bowl 66.40



31.75
75.30

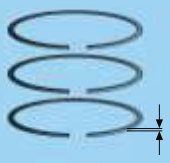


31.75
75.30

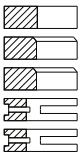


38.10
82.70

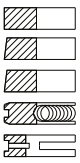




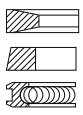
2.385
2.385
3.16
6.335
6.335



2.385
2.385
3.16
6.335
6.335



3.16 Mo
2.385
4.747 Cr

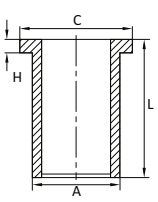




A = 93.675
C = 96.774
L = 215.900
H = 1.430

A = 93.802
C = 96.774
L = 215.900
H = 1.143

A = 93.929
C = 96.774
L = 215.900
H = 1.143



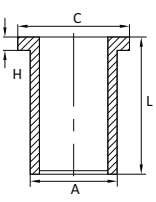
A = 93.663
C = 96.723
L = 216.027
H = 3.810

A = 93.675
C = 96.723
L = 215.900
H = 3.810

A = 93.713
C = 96.723
L = 216.027
H = 3.810

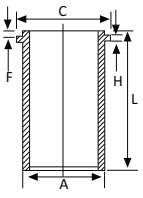
A = 93.97
C = 96.70
L = 216.00
H = 3.76

A = 92.67
C = 96.70
L = 216.00
H = 3.76



A = 93.713
C = 96.70
L = 216.00
H = 3.76

A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1





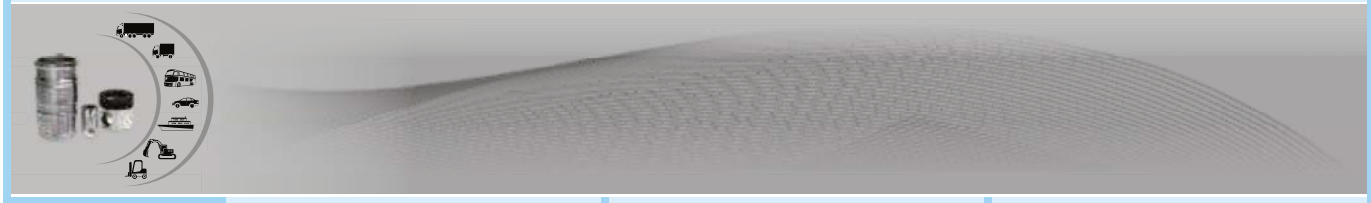
P 540 335 Std.
L 540 335
L 540 336
PR 540 335
K 540 335

P 540 400 Std.
L 540 400
L 540 401
PR 540 400
K 540 400

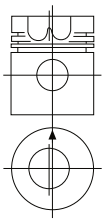
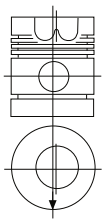
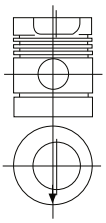
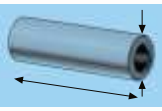
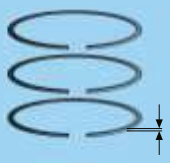
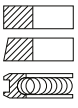
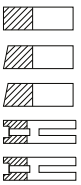
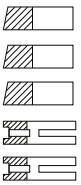
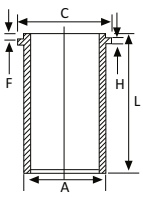
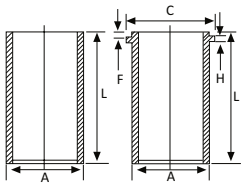
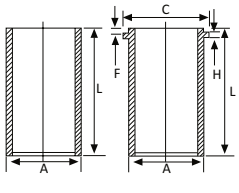
L 540 337
L 540 338
L 540 339
L 540 341
L 540 402

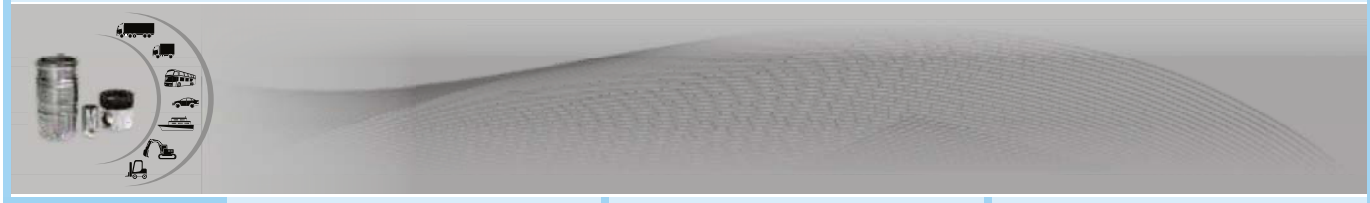
P 540 125 Std.
L 540 125
PR 540 125
K 540 125

P
PERKINS





	Diesel Motor 6.354.4, 5794 ccm, 77-92.5 kW, (105 PS DIN, 124 PS SAE), 16:1, 1975 **25**	**Diesel Motor 6.354 V,** 5794 ccm 87 kW, (118 PS), 16:1, **Diesel Motor 6.354** 5794 ccm 71-75-82 kW, (97-102-112 PS), 16:1, 1961- **26**	**Diesel Motor 4.236,** 3864 ccm,48-60 kW, (59-80 PS) 16:1, 1961- **27**
	**Ø 98.48 mm.** 98P31 Cyl. 69.80 6 -25.40 120.60 PSP CSY  Combustion Bowl 53.95	**Ø 98.48 mm.** 98P32 Cyl. 70.10 6 -26.60 120.71 ESP  Combustion Bowl 54.10	**Ø 98.48 mm.** 98P33 Cyl. 70.10 4 -20.35 121.05 ESP DDG  Combustion Bowl 61.00
	34.925 84.10 	34.925 84.10 	34.925 84.10 
	2.385 Cr 2.385 Cr 4.747 Cr 	2.385 Cr 2.385 2.385 6.335 6.335 	2.385 Cr 2.385 2.385 6.335 Cr 6.335 
	A = 103.22 C = 106.36 L = 227.40 H + F=3.8+1 	A = 103.20 L = 228.80 A = 103.22 C = 106.36 L = 227.40 H + F=3.8+1 	A = 103.20 L = 228.80 A = 103.22 C = 106.36 L = 227.40 H + F=3.8+1 
	P 540 130 Std. L 540 130 PR 540 130 K 540 130	P 540 135 Std. P 540 135 020 P 540 135 030 P 540 135 040 L 540 135 L 540 136 PR 540 135 K 540 135	P 540 140 Std. P 540 140 020 L 540 140 L 540 141 PR 540 140 K 540 140

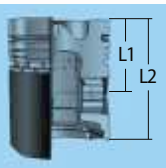




Diesel Motor T 4.236 **28**
3864 ccm, 49-58 kW,
(66.5-79 PS DIN)

Diesel Motor 4.212 **29**
3473 ccm, 44-47 kW,
(60-64 PS) 15:1.1
bis engine no. 212 UA 87004, 1969-

Diesel Motor 4.236, **30**
3864 ccm, 48-60 kW
(59-80 PS) 16.1:1; Direct Injection 1961-



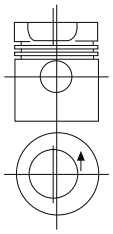




Ø 98.48 mm.
98P34

Cyl.	70.20
4	-20.07
	108.25

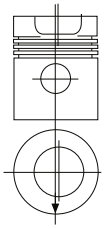
PSP
CSY
KMP



Combustion Bowl 60.90

Ø 98.48 mm.
98P35

Cyl.	76.50
4	-19.10
	127.30

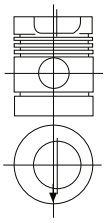


Combustion Bowl 59.70

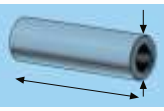
Ø 98.48 mm.
98P36

Cyl.	70.25
4	-20.35
	121.05

CSY
ESP



Combustion Bowl 61.00



38.10
82.70

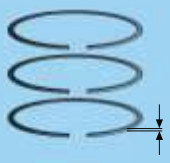


34.925
84.10

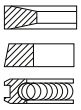


34.925
84.10

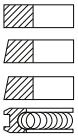




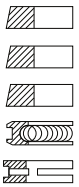
3.16 Mo
2.44 Cr
4.80 Cr



2.385 Cr
2.385
2.385
6.335 Cr



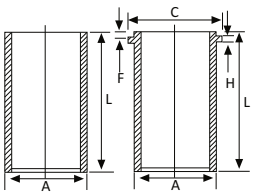
2.385 Cr
2.385
2.385
6.335 Cr
6.335



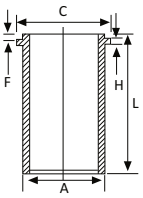


A = 103.20
L = 228.80

A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1

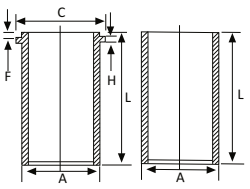


A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1



A = 103.22
C = 106.36
L = 227.40
H +F= 3.80+1

A = 103.20
L = 228.80





P 540 150 Std.
L 540 150
PR 540 150
K 540 150

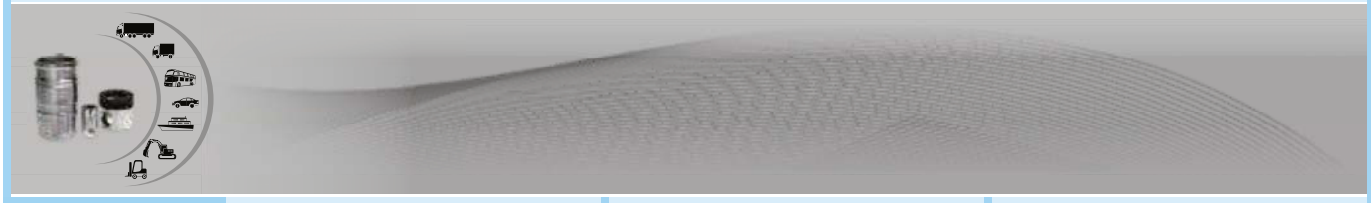
L 540 151

P 540 160 Std.
P 540 160 020
P 540 160 030
L 540 160
PR 540 160
K 540 160

P 540 205 Std.
P 540 205 020
L 540 205
PR 540 205
K 540 205

L 540 206

P
PERKINS





Motor T6.354 / T6.354.1 **31**
5800 cc, 6 Cyl, C.R. 16:1

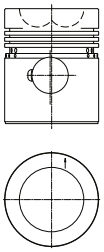
Motor 6.354.2 **32**
5794 ccm 85 kW (115 PS) 16:1
126.8 mm
Vehicle Series 1600, 1800, 01.1970
12. 1972
Motor 6.354.4
5794 ccm 77 kW (105 PS) 16:1
126.8 mm 1969
Motor A 6.354.2
5794 ccm 74 kW (100 PS) 16:1
126.8 mm
Vehicle Tractor 1100
Motor A 6.354.4
5794 ccm 74 kW (100 PS) 16:1
126.8 mm
Vehicle Harvester / Mahdrescher 24
Tractor 1100

Motor 4.212 **33**
3475 ccm, 44-47 kW (60-64 PS)
15,5:1 114 mm 1974-
Vehicle Tractor 165 1974-
Motor A 4.212
3475 ccm 44 kW (60 PS)
15,1:1 114 mm
Vehicle Tractor 165 1969-



Ø98.48 mm.
98P37

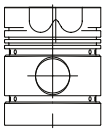
Cyl 69.72
6 -19.15
120.40



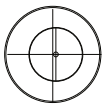
Combustion Bowl 66.46

Ø98.48 mm.
98P38

Cyl 70.10
6 -25.50
120.70

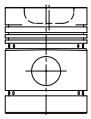


CSY
ESP

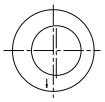


Ø98.48 mm.
98P39

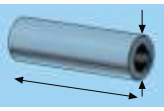
Cyl 76.50
4 -19.10
127.30



ESP



Combustion Bowl 59.70



38.10
82.70

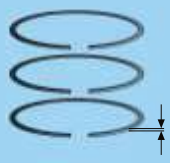


34.925
84.10

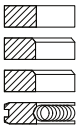


34.925
84.10

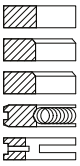




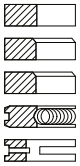
3.16
2.385
2.385
6.335



3.16
2.385
2.385
6.335
6.335



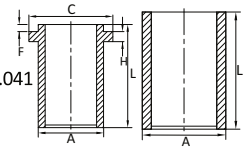
2.385
2.385
2.385
6.335
6.335





A = 103.188
C = 106.451
L = 227.279
H + F=3.708+1.041

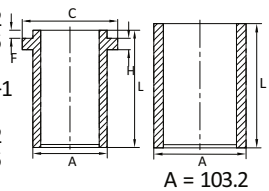
A = 103.188
C = 106.451
L = 227.279
H + F=3.861+0.889



A = 103.264
L = 228.981

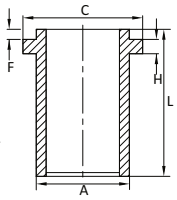
A = 103.22
C = 106.36
L = 227,40
H + F=3.8+1

A = 103.22
C = 106.36
L = 227,40
H + F=3.8+1



A = 103.2
L = 228.8

A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1





P 540 225 Std.
L 540 225
L 540 226
PR 540 225
K 540 225

L 540 227

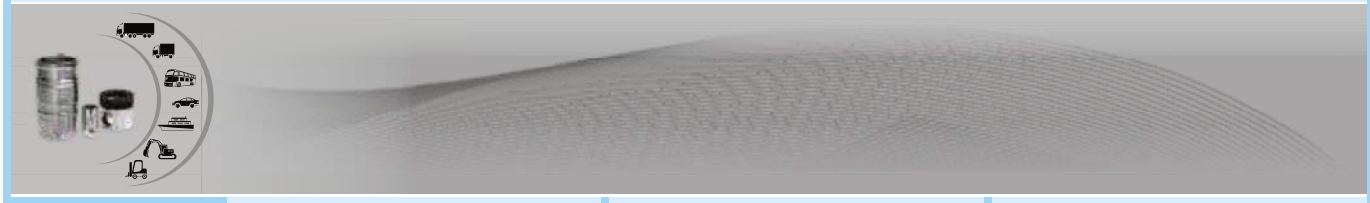
P 540 245 Std.
L 540 245
PR 540 245
K 540 245

L 540 246
L 540 247

P 540 265 Std.
L 540 265
PR 540 265
K 540 265

P

PERKINS





Motor 4.236 **34**
3864 ccm 48-60 (59-80 PS) 16:1
126,8 mm
Vehicle Series 350,380 K, 440,450,480 K, 500,530,550,560 K,
OK 05 K,OK 010 K, Tractor 1080, 165, 168, 175, 09.1979
Motor A 4.236
3864 ccm 48-60 (59-80 PS) 16:1
126,8 mm
Vehicle Tractor 31, 1961

Motor T6.354 / T6.354.1 **35**
5800 cc, 6 Cyl, C.R. 16:1

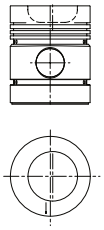
36



Ø98.48 mm.
98P40

Cyl	70.20
4	-20.40
	121.00

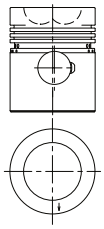
ESP



Combustion Bowl 61.00

Ø98.48 mm.
98P41

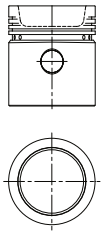
Cyl	69.57
6	-19.24
	120.40



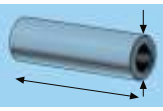
Combustion Bowl 66.46

Ø98.48 mm.
98P42

Cyl	63.15
3/4/6	-23.35
	113.95



Combustion Bowl 77.00



34.925
84.10

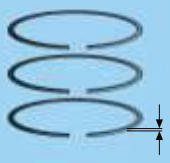


38.10
82.70

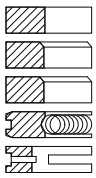


25.40
85.50

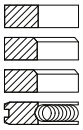




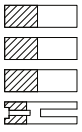
2.385
2.385
2.385
6.335
6.335



3.16
2.385
2.385
6.335



2.38
2.38
2.38
6.33

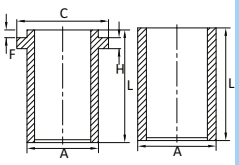




A = 103.188
C = 106.451
L = 227.279
H + F=3.861+0.889

A = 103.188
C = 106.451
L = 227.279
H + F=3.708+1.041

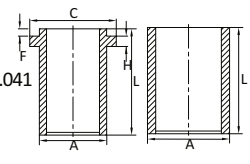
A = 103.238
C = 106.426
L = 227.279
H + F=3.708+1.041



A = 103.264
L = 228.981

A = 103.188
C = 106.451
L = 227.279
H + F=3.708+1.041

A = 103.188
C = 106.451
L = 227.279
H + F=3.861+0.889



A = 103.264
L = 228.981



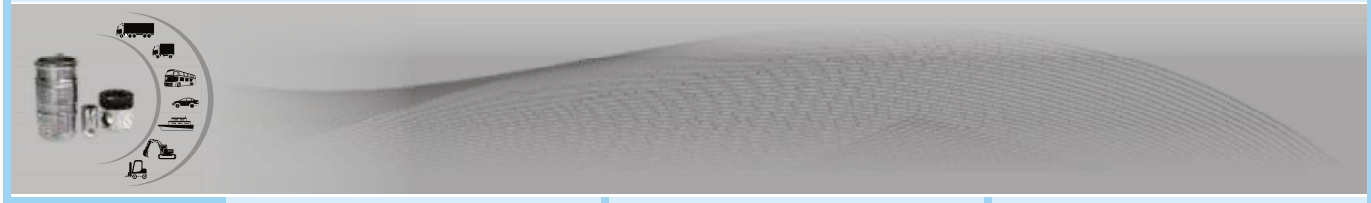
P 540 270 Std.
L 540 270
L 540 271
L 540 272
PR 540 270
K 540 270

L 540 273

P 540 295 Std.
L 540 295
L 540 296
PR 540 295
K 540 295

L 540 297

P 540 310 Std.
PR 540 310





Diesel Motor 4.236, 37

3864 ccm,48-60 kW ,
(59-80 PS) 16:1, 1961-

Motor 38

AD 4,236 - D 39 C 3864 cc
48-60 Kw 16:1 MF275, D350

Motor 6.354.4 39

5794 ccm

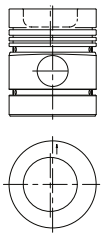






Ø98.48 mm.
98P43

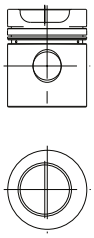
Cyl	70.10
4	-20.35
	121.05
CSY	
ESP	



Combustion Bowl 61.00

Ø98.48 mm.
98P44

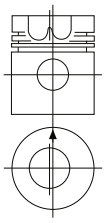
Cyl	70.44
4	-20.59
	121.24
	70.15
	20.30
PSP	120.95
CSY	
KYA	



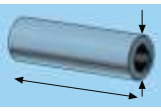
Combustion Bowl 61.00

Ø 98.48 mm.
98P45

Cyl.	69.80
6	- 23.87
	120.60
PSP	
CSY	



Combustion Bowl 54.00



34.925
84.10

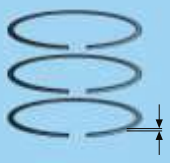


34.925
84.10

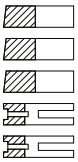


34.925
84.10

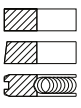




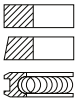
2.385
2.385
2.385
6.335
6.335



2.385
2.385
4.747



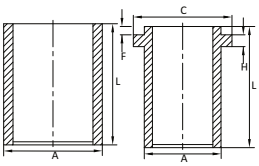
2.385 Cr
2.385 Cr
4.747 Cr





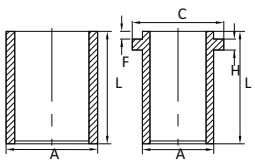
A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1

A = 103.20
L = 228.80

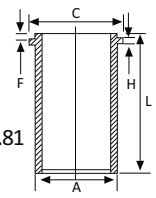


A = 103.22
C = 106.36
L = 227.40
H + F=3.8+1

A = 103.20
L = 228.80



A = 103.25
C = 106.40
L = 227.40
H +F= 3.81+0.81





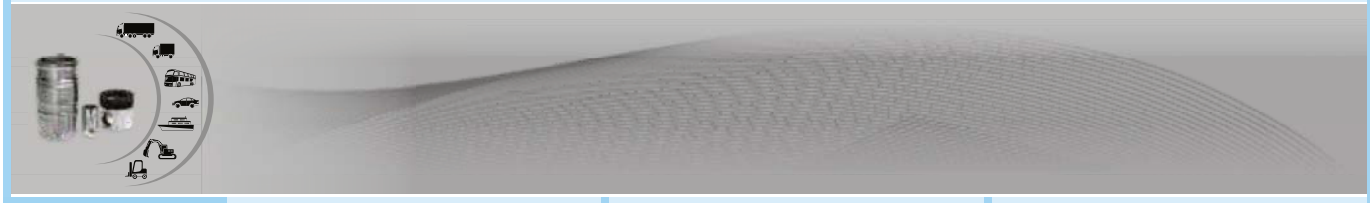
P 540 325 Std.
L 540 325
L 540 326
PR 540 325
K 540 325

P 540 395 Std.
L 540 395
L 540 396
PR 540 395
K 540 395

P 540 420 Std.
L 540 420
PR 540 420
K 540 420

P

PERKINS

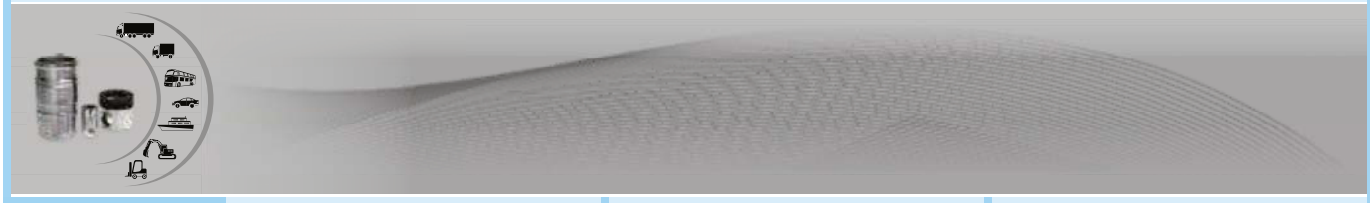




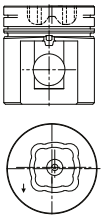
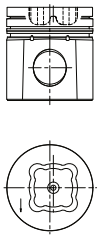
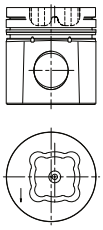
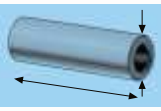
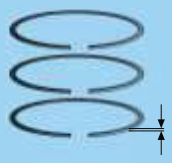
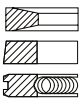
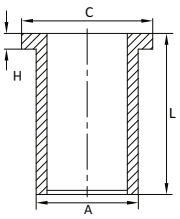
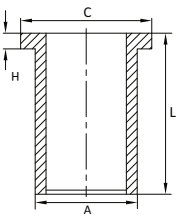
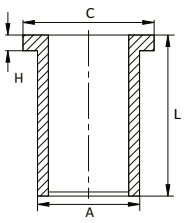
40	41	42
Ø98.48 mm. 98P46 Cyl 70.18 -20.34 108.30 CSY PSP KMP Combustion Bowl 62.00	**Ø98.48 mm.** 98P47 Cyl 69.87 -28.48 120.80 CSY ESP Combustion Bowl 54.20	**Ø98.48 mm.** 98P48 Cyl 69.82 -18.82 107.82 CSY PSP KMP Combustion Bowl 66.80
38.10 82.50	34.925 84.100	38.1 82.7
3.16 2.385 4.747	2.44 2.44 2.44 6.43 6.43	3.16 2.385 4.747
A = 103.22 C = 106.36 L = 227.4 H + F=3.8+1.0 A = 103.20 L = 228.80	A = 103.25 C = 106.40 L = 227.4 H + F=3.81+0.81	A = 103.22 C = 106.36 L = 227.4 H + F=3.8+1.0 A = 103.20 L = 228.80
P 540 430 Std. L 540 430 L 540 431 PR 540 430 K 540 430	P 540 450 Std. L 540 450 PR 540 450 K 540 450	P 540 460 Std. L 540 460 L 540 461 PR 540 460

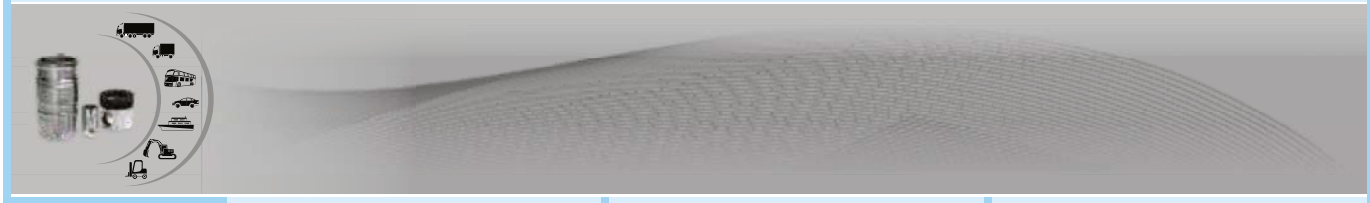
P

PERKINS





	43	44	45
	Motor 4.40 3990 ccm, C.R.16.5:1 **Vehicle** Phaser 90, 1004-4 **Motor 4.60** 5985 ccm, C.R.16.5:1 **Vehicle** Phaser 125, 1006-6	**Motor T 4.40** 3990 cc, 4 Cyl C.R.16:1 **Motor T6.60** 5985 cc, 6 Cyl C.R.16:1	**Motor T 4.40** 3990 cc, 4 Cyl C.R.16:1 **Motor T6.60** 5985 cc, 6 Cyl C.R.16:1
	**Ø100.00 mm.** 100P46 Cyl. 70.02 4/6 -20.14 108.00 PSP CSY  Combustion Bowl 55.65	**Ø 100.00 mm.** 100P47 Cyl. 70.02 4/6 -19.50 108.00 PSP CSY KMP  Combustion Bowl 55.85	**Ø100,00 mm.** 100P48 Cyl 70.02 4/6 -19.50 108.00 PSP CSY KMP  Combustion Bowl 55.85
	34.925 83.80 	38.10 82.50 	38.10 82.50 
	2.50 2.50 4.00 	2.90 2.50 4.00 	3.50 2.50 4.00 
	A = 104.229 C = 107.442 L = 226.44 H = 3.861 	A = 104.229 C = 107.442 L = 226.440 H = 3.861 	A = 104.229 C = 107.442 L = 226.440 H = 3.861 
	P 540 190 Std. L 540 190 PR 540 190 K 540 190	P 540 195 Std. L 540 195 PR 540 195 K 540 195	P 540 196 Std. L 540 196 PR 540 196 K 540 196





46

47

Motor T 4.40
3990 cc 4 Cyl C.R.16:1
Motor T6.60
5985 cc 6 Cyl C.R.16:1

48

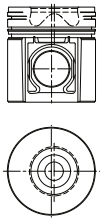
Motor T 4.40 Euro 2
3990 ccm 4Cyl 127,3 mm 1997
Motor T 6.60 Euro 2
6000 ccm 6cyl 127,3 mm 1997



Ø100.00 mm.
100P49

Cyl 1/2/3/4 — 70.30 / -21.75 / 108.23

CSY

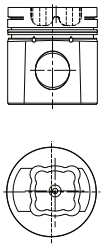


Combustion Bowl 52.85

Ø100.00 mm.
100P50

Cyl 4/6 — 70.02 / -19.50 / 108.00

PSP
CSY
PAK
KMP

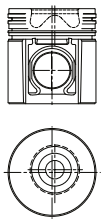


Combustion Bowl 55.50

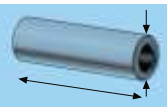
Ø100.00 mm.
100P51

Cyl 4/6 — 70.26 / -21.75 / 108.23

CSY
KMP



Combustion Bowl 52.80



39.70
78.00

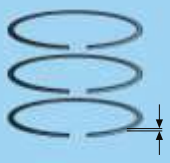


38.10
82.50



39.70
78.00





3.50
2.50
4.00



3.50
2.50
4.00

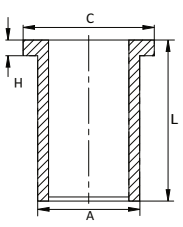


3.50
2.50
3.50



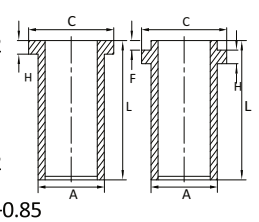


A = 104.229
C = 107.442
L = 226.440
H = 3.861



A = 104.28
C = 107.442
L = 226.44
H = 3.861

A = 104.28
C = 107.442
L = 227.4
H + F=3.86+0.85



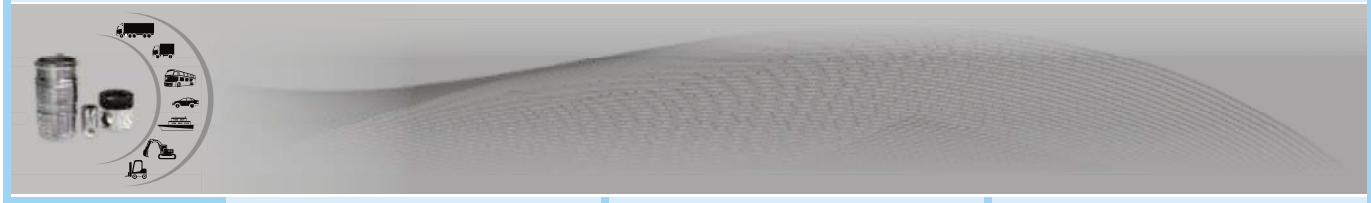


P 540 230 Std.
PR 540 230

P 540 240 Std.
L 540 240
PR 540 240
K 540 240

P 540 250 Std.
L 540 250
PR 540 250
K 540 3250

L 540 251

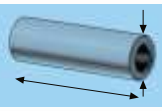




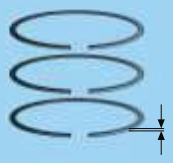
	49	50	51
	Motor T 4.40 Euro 1 3990ccm 82-88kW, (112-120 PS), 127.3mm 09.1990-11.1992 **Motor T 6.60 (S) Euro 1** 6000ccm 88kW, (120 PS), 127.3 mm **Motor T 6.60 (TI) Euro 1** 6000ccm 54kW, (210 PS), 127.3 mm		



	49	50	51
	Ø100.00 mm. 100P52	**Ø100.00 mm.** 100P53	**Ø100.00 mm.** 100P54
	Cyl 70.23 4/6 -21.75 108.23	Cyl 70.00 -19.50 108.34	Cyl 70.15 4/6 -21.00 102.20
	CSY KMP	CSY KMP	KMP
	Combustion Bowl 52.80	Combustion Bowl 55.80	Combustion Bowl 56.50



	49	50	51
	39.70 78.00	38.10 82.50	34.925 83.80



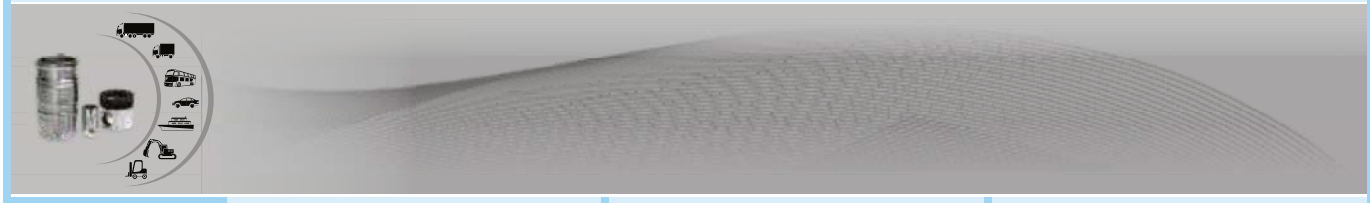
	49	50	51
	3.50 2.50 3.50	3.50 2.50 4.00	2.50 2.50 4.00



	49	50	51
	A = 104.28 C = 107.442 L = 226.44 H = 3.861 A = 104.28 C = 107.442 L = 227.40 H + F= 3.86+0.85	A =104.229 C =107.442 L =226.440 H = 3.861	A =104.229 C =107.442 L =226.440 H = 3.861



	49	50	51
	P 540 385 Std. L 540 385 L 540 386 PR 540 385 K 540 385	P 540 435 Std. PR 540 435	P 540 445 Std. L 540 445 PR 540 445 K 540 445





52

Diesel Motor 4.248 **53**
4067 ccm, 53-55.8 kW,
(72-76 PS), 16:1, 1969-04.1982

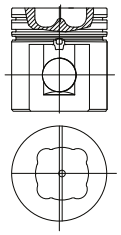
dto., **54**
05.1982-



Ø100.00 mm.
100P55

Cyl	70.00
4/6	-20.14
	108.00

CSY
PSP
KMP

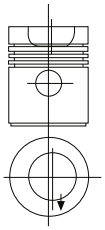


Combustion Bowl 55.30

Ø 101.054mm.
101P01

Cyl.	69.90
4	-20.50
	120.70

KMP

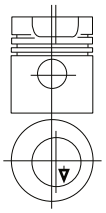


Combustion Bowl 61.40

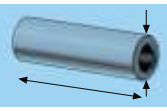
Ø 101.054mm.
101P02

Cyl.	70.02
4	-20.77
	120.82

PSP



Combustion Bowl 61.45



34.925
84.100

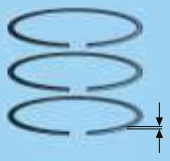


34.925
84.10

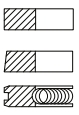


34.925
84.10

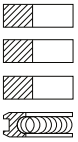




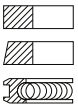
2.50
2.50
4.00



2.385 Cr
2.385 Cr
2.385 Cr
6.335 Cr



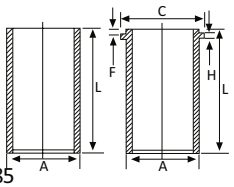
2.50 Mo
2.50
5.00 Cr





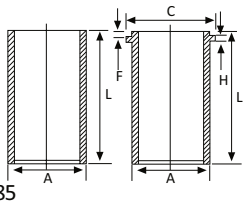
A = 103.21
L = 223.90

A = 104.20
C = 107.40
L = 227.20
H + F=3.8+085



A = 103.21
L = 223.90

A = 104.20
C = 107.40
L = 227.20
H + F=3.8+085

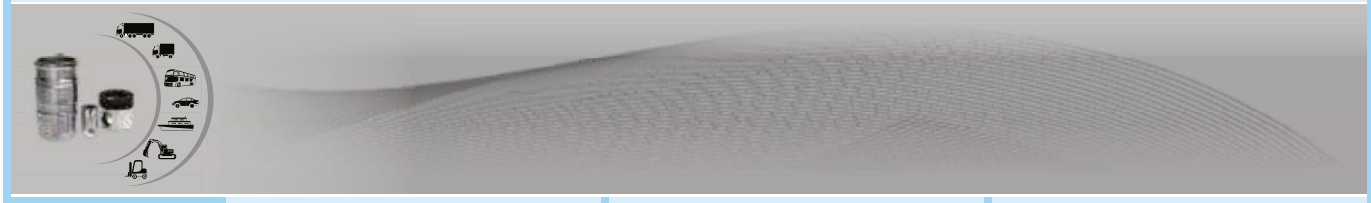




P 540 465 Std.
PR 540 465

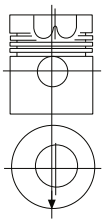
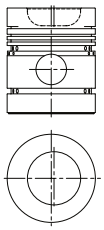
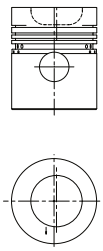
P 540 165 Std.
L 540 165
L 540 166
PR 540 165
K 540 165

P 540 170 Std.
P 540 170 020
L 540 170
PR 540 170
K 540 170
L 540 171

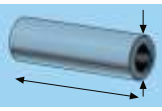




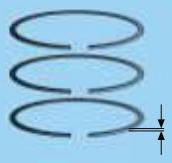
Diesel Motor 6.372.4,
6100 ccm, 82-86.7 kW,
(112-118 PS DIN), 16:1,

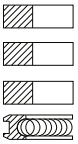
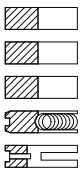
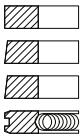
55	56	57
Ø 101.054 mm. 101P03	**Ø101.054 mm.** 101P04	**Ø101.054 mm.** 101P05
Cyl. 6 70.30 -26.00 121.10	Cyl 3/4/6 70.27 -20.30 121.10	Cyl 3/4/6 70.30 -20.50 121.07
	ESP 	
Combustion Bowl 54.00	Combustion Bowl 60.90	Combustion Bowl 61.00



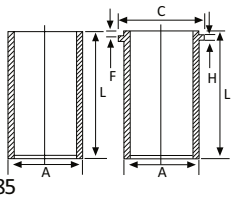


34.925 84.10 	34.925 84.10 	34.925 83.90 



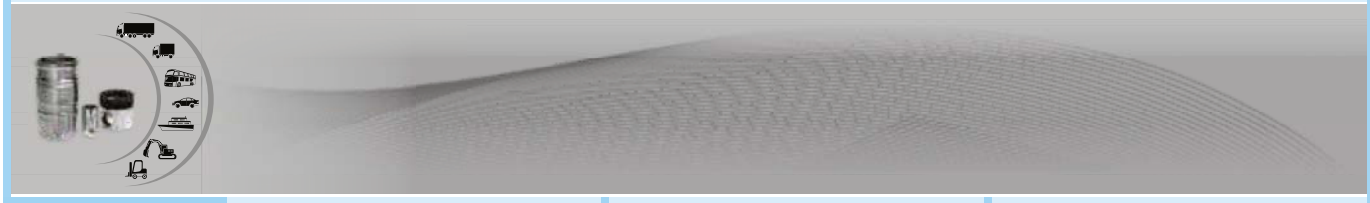
2.385 Cr 2.385 Cr 2.385 Cr 6.335 Cr 	2.385 2.385 2.385 6.335 6.335 	2.385 2.385 2.385 6.335 



A = 103.21 L = 223.90 A = 104.20 C = 107.40 L = 227.20 H + F=3.8+085 		



P 540 175 Std. L 540 175 PR 540 175 K 540 175 L 540 176	P 540 235 Std. PR 540 235	P 540 280 Std. PR 540 280





Motor A 4.248 **58**
4064 ccm 53-61 kW (72-83 PS)
16:1 126,76 mm
Vehicle Tractor 85, 1969 04.1982

Motor A 4.248 **59**
4064 ccm 53-61 kW (72-83 PS)
16:1 126,76 mm
Vehicle Tractor 85, 1969 04.1982

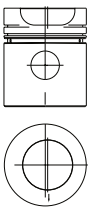
Motor 4.248.2 4064 ccm, **60**
60 kW, (82 PS), 18.1
Vehicle 1969 -



Ø101.054 mm.
101P06

Cyl	70.02
4	-20.77
	120.82

CSY
PSP

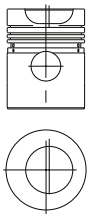


Combustion Bowl 61.00

Ø101.054 mm.
101P07

Cyl	70.10
4	-20.50
	120.90

CSY

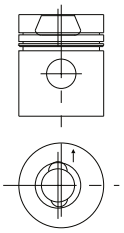


Combustion Bowl 61.40

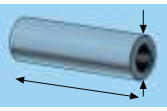
Ø101.054 mm.
101P08

Cyl	70.44
4	-24.44
	121.24

PSP
PAK



Combustion Bowl 39.50



34.925
84.10

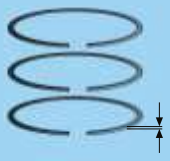


34.925
84.10

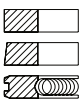


34.925
84.10

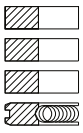




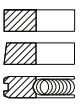
2.50
2.50
5.00



2.385
2.385
2.385
6.335

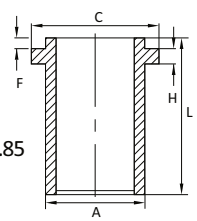


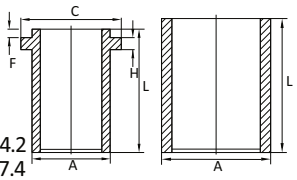
2.50
2.50
5.00





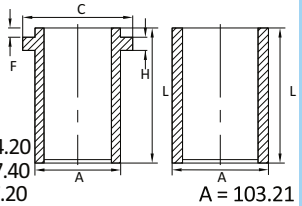
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C = 107.4
L = 227.2
H + F=3.8+0.85





A = 104.2
C = 107.4
L = 227.2
H + F=3.8+0.85

A = 103.21
L = 223.9



A = 104.20
C = 107.40
L = 227.20
H + F=3.8 + 0.85

A = 103.21
L = 223.90



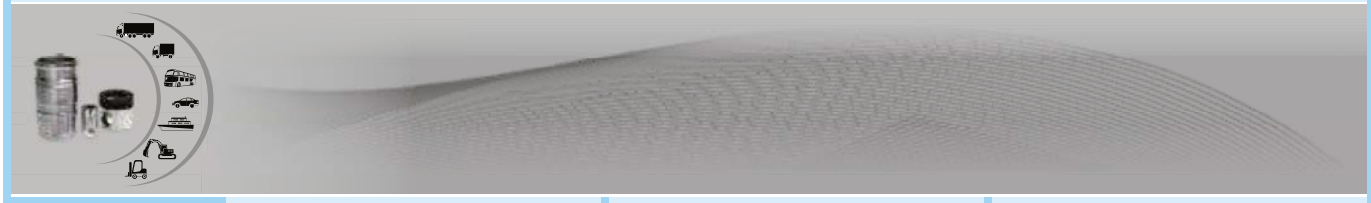
P 540 340 Std.
L 540 340
PR 540 340
K 540 340

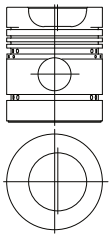
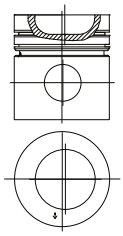
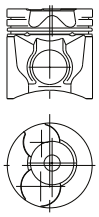
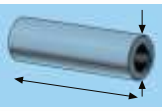
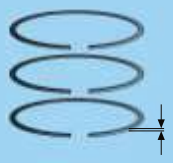
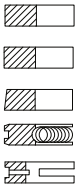
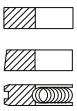
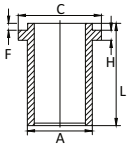
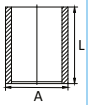
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L 540 345
PR 540 345
K 540 345

L 540 346

P 540 425 Std.
L 540 425
PR 540 425
K 540 425

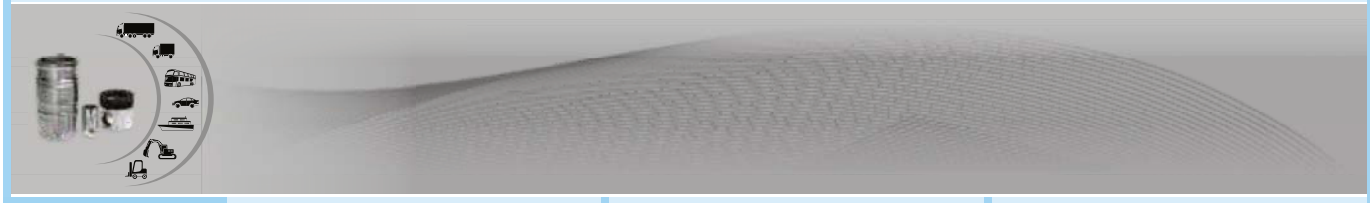
L 540 426

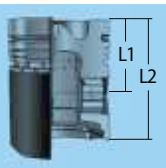
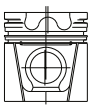
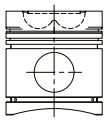
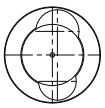
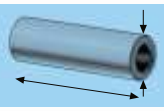
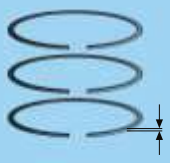
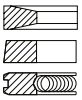
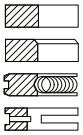
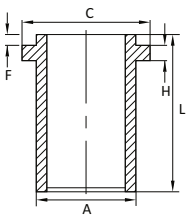


	61	62	Motor 1004.42 Euro 1 Mf 281 Mf 286 G 63
			
	**Ø101.054 mm.** 101P09 Cyl 70.27 -20.30 121.10 CSY ESP  Combustion Bowl 60.90	**Ø101.054 mm.** 101P10 Cyl 70.20 -21.00 121.00 70.00 -21.00 120.80 PSP KYA  Combustion Bowl 61.45	**Ø103.00 mm.** 103P04 Cyl 70.23 4 -1.00 -1.50 -22.05 108.27 KMP  Combustion Bowl 52.30
	34.925 84.100 	34.925 84.000 	39.70 73.80 
	2.38 2.38 2.38 6.33 6.33 	2.50 2.50 5.00 	2.50 2.50 3.50 
	A = 104.20 C = 107.40 L = 227.20 H + F=3.8+0.85  A = 103.21 L = 223.90 		
	P 540 455 Std. L 540 455 PR 540 455 K 540 455	P 540 470 Std. PR 540 470	P 540 370 Std. PR 540 370

P

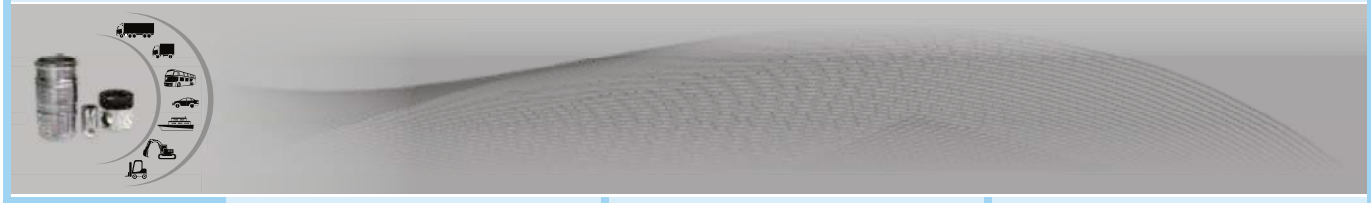
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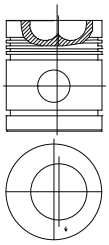
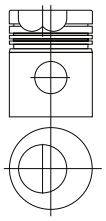
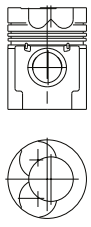
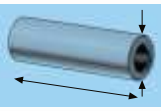
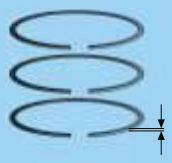
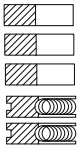
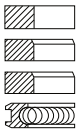
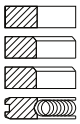
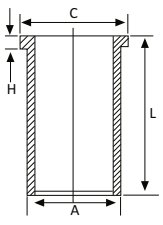
	64	65	66
	**Diesel Motor** 1100 SERYES, 1104C-DF, DC, 1104C- RE, RF, RR 2400ccm		
	**Ø105.00 mm.** 105P18 Cyl 70.10 4 -22.35 108.00 KMP   Combustion Bowl 51.35	**Ø105.00 mm.** 105P19 Cyl 70.10 4/6 -21.95 108.00 CSY KMP   Combustion Bowl 55.20	**Ø107.95 mm.** 107P21 Cyl 68.17 4/6 -2.50 -19.60 114.10 CSY ESP   Combustion Bowl 68.25
	39.70 70.00 	39.70 78.00 	44.45 89.50 
	2.50 2.50 3.50 	3.50 2.50 3.50 	2.385 2.385 4.747 4.747 
	A = 108.05 C = 109.40 L = 227.00 H + F=5.10 		
	P 540 405 Std. L 540 405 PR 540 405 K 540 405	P 540 415 Std. PR 540 415	P 540 285 Std. PR 540 285

P

PERKINS

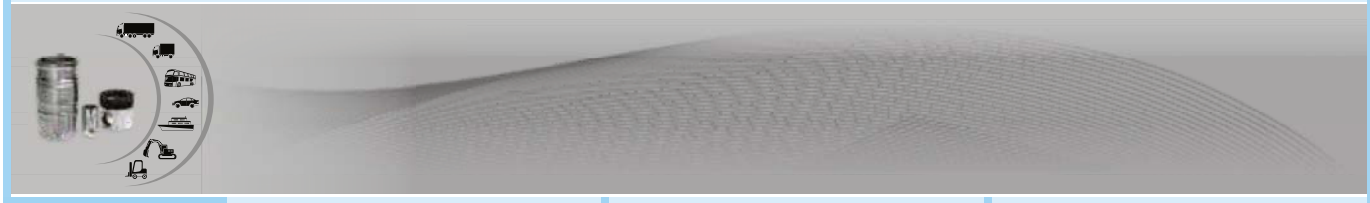


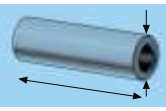
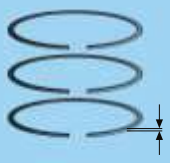
Diesel Motor 4.318,
5215 ccm C.R.17.5:1; 1968-

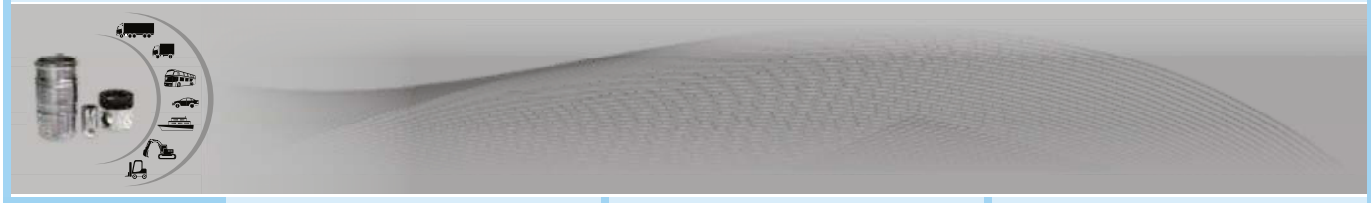
67	68	69
		
	**Ø107.95 mm.** 107P22 Cyl 73.876 -22.130 124.651 ESP  Combustion Bowl 63.50	**Ø 114.30 mm.** 114P19 Cyl. 70.676 4 -24.08 124.612 KMP  Combustion Bowl 66.00	**Ø130.00 mm.** 130P15 Cyl 99.44 6 -34.65 -1.32 -1.96 168.64 CSY  Combustion Bowl 73.65
	36.512 92.000 	36.512 98.30 	50.80 109.00 
	3.175 3.175 3.175 6.350 6.350 	2.380 2.380 2.380 6.350 	3.27 3.27 3.27 6.44 
		A = 117.881 C = 121.133 L = 230.784 H = 2.718 A = 117.932 C = 121.133 L = 230.784 H = 2.718 	
	P 540 440 Std. PR 540 440	P 540 200 Std. L 540 200 L 540 201 PR 540 200 K 540 200	P 540 360 Std. PR 540 360

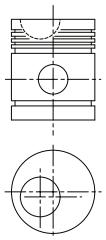
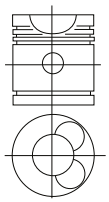
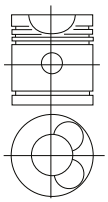
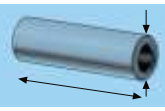
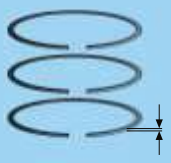
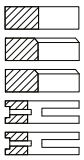
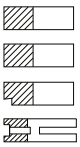
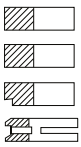
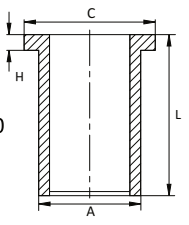
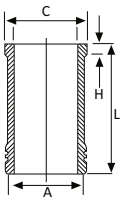
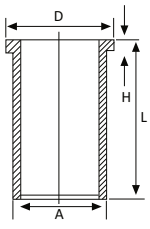
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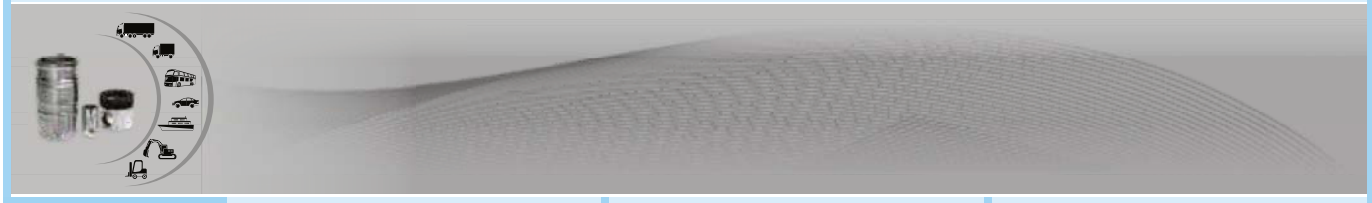
PERKINS



	70	71	72
			
	**Ø130.00 mm.** 130P16 Cyl 99.98 6 -22.76 163.02 CSY Combustion Bowl 97.00	**Ø130.00 mm.** 130P17 Cyl 96.26 6 -2.42 -27.48 168.46 CSY PAK YPO Combustion Bowl 76.04	**Ø135.00 mm.** 135P09 Cyl 99.29 6 -30.00 108.75 CSY SKP YPO KMP Combustion Bowl 78.00
	50.80 109.00	50.80 109.00	55.00 118.38
	3.24 3.30 4.78	3.23 3.23 4.747	4.00 3.00 6.00
			
	P 540 365 Std. PR 540 365	P 540 390 Std. PR 540 390	P 540 355 Std. PR 540 355

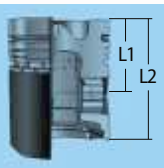


	Motor PAZ1 347 cc, 1 Cyl, Aircooled **01**	**Motor AV1** 533 ccm, **Vehicle** Watercooled **02**	**Motor PH1W** 659 ccm, **Vehicle** Watercooled **03**
			
	**Ø76.20 mm.** 76P16 Cyl 54.85 1 -18.25 92.00 ESP  Combustion Bowl 36.50	**Ø 80.00 mm.** 80P19 Cyl. 63.50 1 -23.54 0.381 106.09 ESP  Combustion Bowl 49.90	**Ø 87.31 mm.** 87P10 Cyl. 63.50 1 -24.40 0.60 106.00 ESP  Combustion Bowl 50.80
	27.00 64.00 	30.00 66.00 	30.00 74.50 
	2.38 2.38 2.38 4.76 4.76 	2.380 Cr 2.380 2.380 4.762 Cr 	2.385 Cr 2.385 2.385 4.747 
	A = 80.239 C = 83.261 L = 165.100 H = 4.826 	A = 104.877 C = 109.949 L = 207.01 H = 10.51 	A = 91.34 C = 94.386 L = 207.00 H = 4.826 
	P 545 115 Std. L 545 115 PR 545 115 K 545 115	P 545 100 Std. P 545 100 020 P 545 100 030 P 545 100 040 P 545 100 060 L 545 100 PR 545 100 K 545 100	P 545 105 Std. P 545 105 020 P 545 105 030 P 545 105 040 P 545 105 060 L 545 105 PR 545 105 K 545 105



Motor PJ **04**
Aircooled



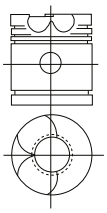


Ø 96.96 mm.
96P05

Cyl.	63.60
1/2/3/4	-22.73
	0.60
	106.00

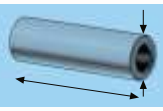


ESP



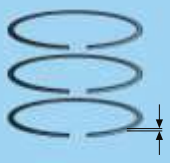


Combustion Bowl 39.92

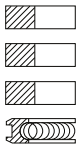


30.00
84.50



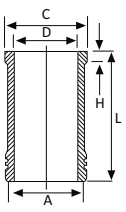


2.383 Cr
2.380
2.380
4.763 Cr





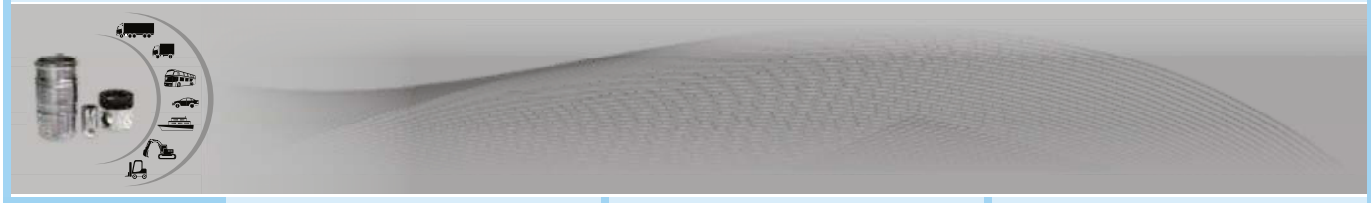
A = 114.229
C = 120.561
L = 207.264
H + F=9.55+0.17



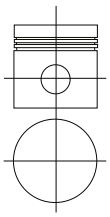
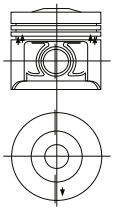
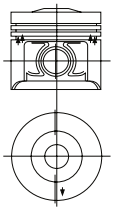
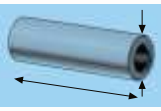
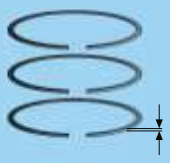
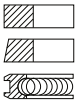
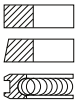
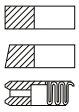
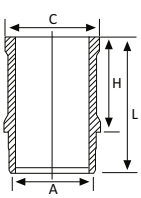
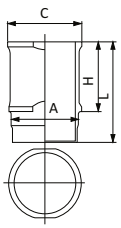
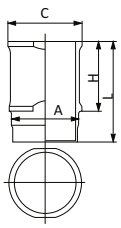


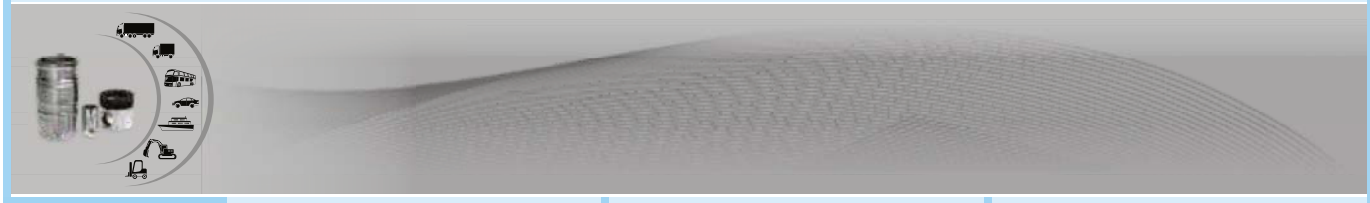
P 545 110 Std.
P 545 110 020
P 545 110 030
P 545 110 040
P 545 110 060
L 545 110
PR 545 110
K 545 110

P
PETTER

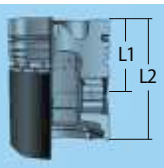
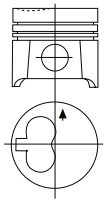
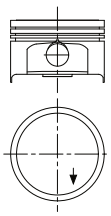
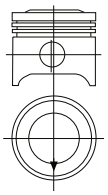
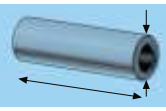
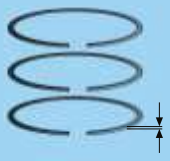
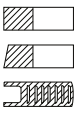
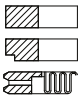
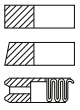
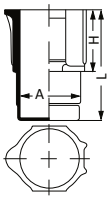
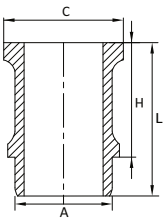
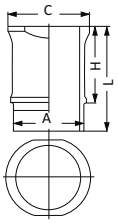


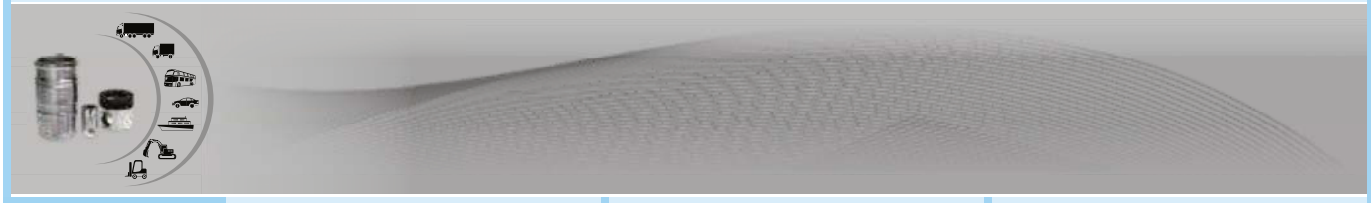


	Motor TU9/TUC1A **01** 954 ccm, TC 9.4:1 **Vehicle** 205, 106	**Motor TU1** **02** 1124 ccm, 9.2:1 **Vehicle** 106, 205, 306, 309	**Motor XW7** **03** 1124 ccm, 37 kW, (70 PS) 9.7:1 **Vehicle** 109, 205, 1983-
	**Ø 70.00 mm.** 70P02 Cyl. 33.90 4 58.00 	**Ø 72.00 mm.** 72P08 Cyl. 40.00 4 +3.00 67.00 TÇP 	**Ø 72.00 mm.** 72P09 Cyl. 40.05 4 +4.20 73.70 TÇP 
	18.00 53.00 	19.50 62.00 	19.50 62.00 
	1.50 Cr 1.50 3.00 	1.50 Cr 2.00 3.00 	1.50 Cr 2.00 4.00 
	A = 79.50 C = 89.20 L = 122.00 H = 85.00 	A = 79.50 C = 89.20 L = 122.50 H = 85.00 	A = 79.50 C = 89.20 L = 122.50 H = 85.00 
	P 550 100 Std. K 550 100 PR 550 100 L 550 100	P 550 105 Std. K 550 105 PR 550 105 L 550 105	P 550 110 Std. L 550 110 PR 550 110 K 550 110





	04	05	06
	Motor TUD 3 1361 ccm, 39 kW, (53 PS), 22:1 **Vehicle** 106, 1991-	**Motor TU 3 JP L4. Euro 4** R 4 Benzin, 1361 cm³, 55 kW (75 PS), 9,3:1 İnjection, Katalysator **Vehicle** 1007 03/2005.... 106, 206, 306, 307, Partner, Ranch 2004.....	**Motor XR 5** 1472 ccm, 49.5-57.5 kW, (67-78 PS), 9.2:1 **Vehicle** 305, 11.1977- 1472 ccm, 63.5 kW, (86 PS), 9.2:1 **Vehicle** 305 S, 1980-1983
	**Ø 75.00 mm.** 75P11 Cyl. 43.00 4 -1.50 68.96 PSP CSY 	**Ø75.00 mm.** 75P12 Cyl 27.90 4 +0,20 49.65 TÇP 	**Ø 78.00 mm.** 78P10 Cyl. 36.10 4 +0.40 73.10 TÇP 
	23.00 63.00 	18.00 55.00 	20.50 68.00 
	2.25 Mo 1.75 Cr 3.00 	1.50 1.50 2.50 	1.75 Cr 2.00 4.00 Cr 
	A = 79.50 L = 135.40 H = 90.10 	A = 79.50 C = 89.20 L = 134.50 H =90.00 	A = 83.00 C = 100.00 L = 133.50 H = 97.40 
	P 550 225 Std. L 550 225 PR 550 225 K 550 225	P 550 265 Std. L 550 265 PR 550 265 K 550 265	P 550 115 Std. L 550 115 PR 550 115 K 550 115

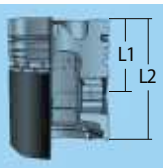




Motor XL 4 D **07**
1357 ccm, 30-33 kW
(41-45 PS) 23.3:1
Vehicle 204 D, 304 D,
05.1973-07.1979

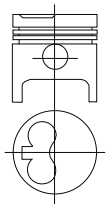
Motor XL 5 **08**
1290 ccm, 44-48 kW, (60-65 PS), 8.8:1
Vehicle 304, 305, 09.1976-1988
Motor XL 5S
1290 ccm, 50.5-55 kW, (69-74.5 PS), 8.8:1
Vehicle 304 S, 09.1976-07.1979

Motor XID 80, XIDL **09**
1548 ccm, 31.5-36 kW, (43-49 PS),
22.5:1
Vehicle 304 D, 305 D, 07.1979-1983



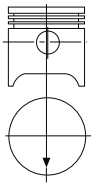
Ø 78.00 mm.
78P11

Cyl. 40.00
4 -1.80
82.55



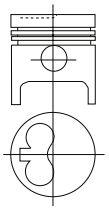
Ø 78.00 mm.
78P12

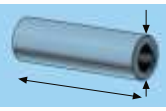
Cyl. 36.10
4 72.70



Ø 80.00 mm.
80P20

Cyl. 41.98
4 -2.00
84.55





22.00
69.00

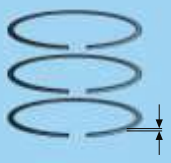


20.50
68.00

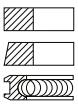


23.00
70.00

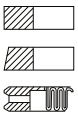




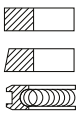
1.75 Cr
2.00
3.00 Cr



1.75 Cr
2.00
4.00

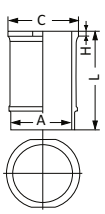


1.75 Cr
2.00
3.00 Cr

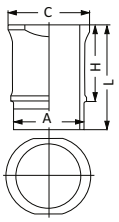




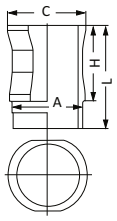
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C = 92.60
L = 127.80
H = 7.00



A = 83.00
C = 100.00
L = 133.50
H = 97.40



A = 84.50
C = 100.00
L = 133.50
H = 97.495

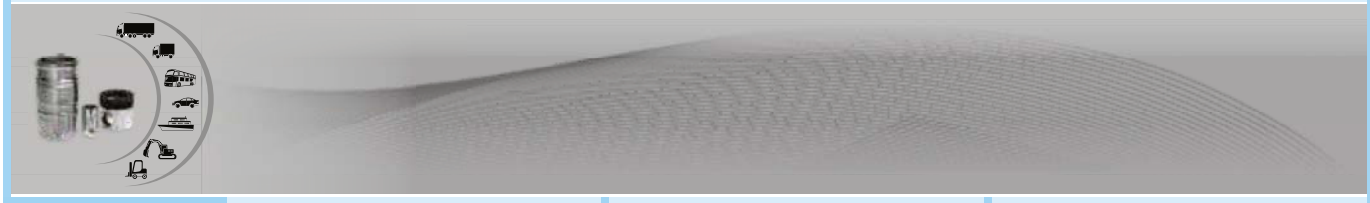




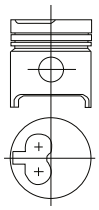
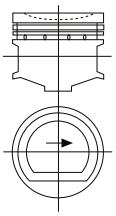
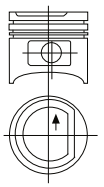
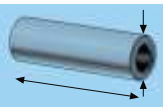
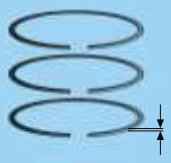
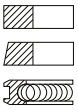
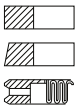
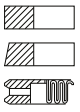
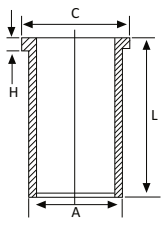
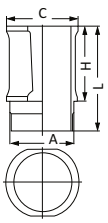
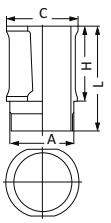
P 550 120 Std.
L 550 120
PR 550 120
K 550 120

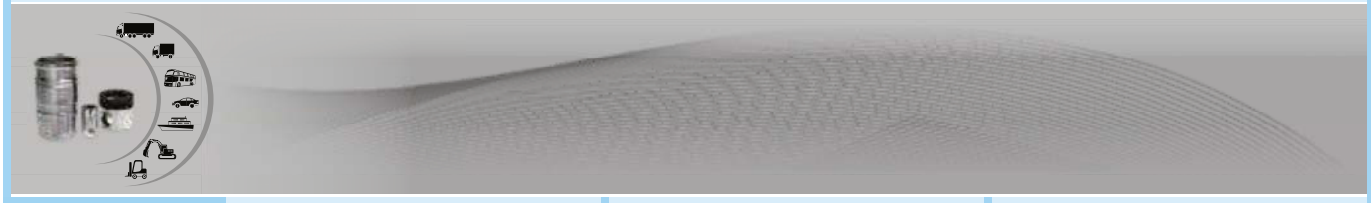
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L 550 230
PR 550 230
K 550 230

P 550 125 Std.
L 550 125
PR 550 125
K 550 125

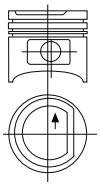
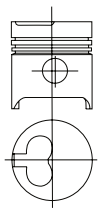
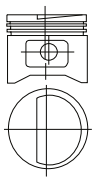
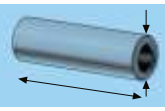
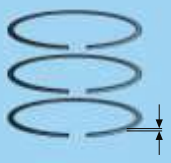
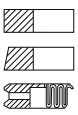
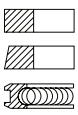
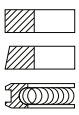
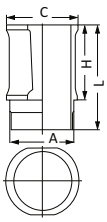
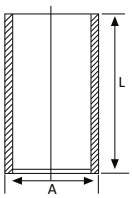
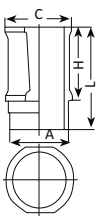


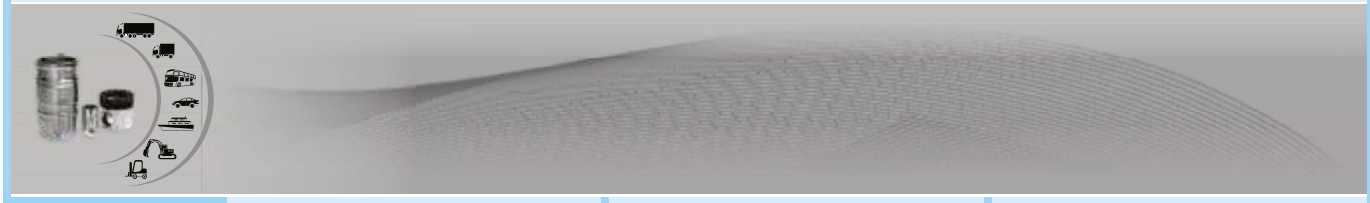


	Motor XUD 7 (161 A) **10** 1769 ccm, 44 kW, (60 PS), 23:1 **Vehicle** 205 GRD, 309, 07.1983-	**Motor XU 5-2 C-B2 A** **11** 1580 ccm, 68 kW, (92 PS), 8.95:1 **Vehicle** 309, 405, 1987- **Motor XU 52 C** 1580 ccm, 59-68-69 kW, (80-92-94 PS), 8.95:1 **Motor** 65 kW, (88 PS), 9.3:1, 1990- **Vehicle** 309, 405, 309 GRX 1989-	**Motor XUD 5 J** **12** 1580 ccm, 77-84.5 kW (105-115 PS) 9.8-10.2:1 **Vehicle** 205 GTI, 309 GR, 01.1984-
	**Ø 80.00 mm.** 80P21 Cyl. 46.80 4 -2.00 84.50 	**Ø 83.00 mm.** 83P07 Cyl. 37.50 4 -2.90 67.50 	**Ø 83.00 mm.** 83P08 Cyl. 37.50 4 -1.45 67.50 
	25.00 69.80 PKB 	22.00 66.00 PKB 	22.00 66.00 PKB 
	2.00 Cr 2.00 3.00 Cr 	1.75 Cr 1.75 4.00 Cr 	1.50 Cr 1.50 4.00 Cr 
	A = 83.00 C = 86.00 L = 154.00 H = 4.50 	A = 88.60 C = 97.00 L = 141.00 H = 95.18 	A = 88.60 C = 97.00 L = 141.00 H = 95.18 
	P 550 130 Std. P 550 130 0.20 P 550 130 0.50 P 550 130 0.80 L 550 130 PR 550 130 K 550 130	P 550 135 Std. L 550 135 PR 550 135 K 550 135	P 550 140 Std. L 550 140 PR 550 140 K 550 140





	Motor XU 5 S **13** 1580 ccm, 59-69 kW, (80-94 PS), 9.5:1 **Vehicle** 205, 305, 309, 1984-	**Motor XUD 9** **14** 1905 ccm, 48-51 kW, (65-70 PS), 23.5:1 **Vehicle** 205 GLD, 305 GLD, 306 SL, 309 GRD, 309 GRX Diesel, 405 D, 405 GLD (GRD Break J5), 10.1982-	**Motor XU92C** **15** 1905 ccm, 96 kw (130 PS), 10.2:1; **Vehicle** 205 1.9 GTI 10.1987-, 309 1.9 GTI 10.1986-07.1989
	**Ø 83.00 mm.** 83P09 Cyl. 37.75 4 -2.10 67.50 	**Ø 83.00 mm.** 83P10 Cyl. 46.80 4 -2.20 84.30 	**Ø 83.00 mm.** 83P11 Cyl. 37.50 4 -9.00 67.50 PSP 
	22.00 66.00 PKB 	25.00 72.00 	22.00 66.00 
	1.75 Cr 1.75 4.00 Cr 	2.00 Cr 2.00 3.00 Cr 	1.50 Mo 1.50 4.00 Cr 
	A = 88.60 C = 97.00 L = 141.00 H = 95.18 	A = 86.00 L = 153.50 	A = 88.60 C = 97.00 L = 141.00 H = 95.19 
	P 550 145 Std. L 550 145 PR 550 145 K 550 145	P 550 150 Std. P 550 150 0.50 P 550 150 0.80 L 550 150 PR 550 150 K 550 150	P 550 255 Std. L 550 255 PR 550 255 K 550 255





Motor XU 5 2 C, R 4, **16**
1580 cm³, 53-55 kW
(72 - 75 PS), 8,6:1
Caburetor, Catalyic converter,
1580 cm³ , 59-69 kW (80 - 94 PS), 8,95:1
Carburetor,
Vehicle Stationary engine 1988-
Motor XU 5 2 C, R 4,
1580 cm³ ,65 kW (88 PS),9,3:1
Catalyic converter,
Vehicle 405- 309 1989....

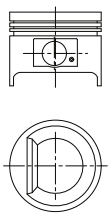
Motor XU 5 JP, R 4, **17**
1580 cm³, 65 kW (88 PS), 9,25:1
Injection, Catalytic converter
Vehicle 406 10.1995
Motor XU 7 JP, R 4,
1761 cm³, 74-76 kW (101-103 PS),Injection, Catalytic converter
Vehicle 806 07.1995
306 05.1993-2003
405 08.1992-10.1995
Motor XU 7 JP, R 4,
1762 cm³, 74-76 kW (101-103 PS), 9,251, Injection, Catalytic converter
Vehicle 306 1993...2003, 405 1993...,806 1993..., Expert 1993..., 406 1993....,
Partner 01.1996....

Motor XM 7, XM 7 P **18**
1796ccm, 48-58 kW, 58,8 kW
(65-79 PS) DIN- 80 PS SAE), 7.5:1
Vehicle J7, 504, 04.1971- 1981



Ø83.00 mm.
83P12

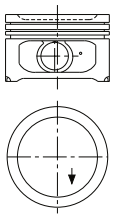
Cyl	37.50
4	-2.90
	67.50



Ø83.00 mm.
83P13

Cyl	33.30
4	-4.10
	53.30

PSP
YPO

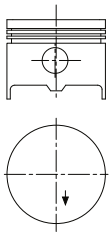


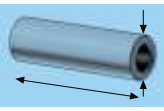
Combustion Bowl 64.00

Ø84.00 mm.
84P14

Cyl	37.80
4	70.25

DSP





22.00
66.00

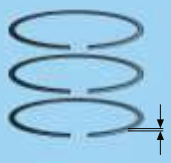


22.00
62.00



23.00
70.00

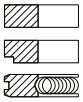




1.75
1.75
4.00



1.50
1.50
3.00

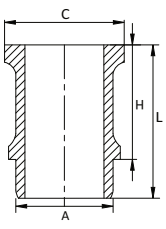


1.50 Cr
2.00
4.00

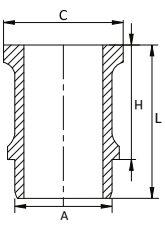




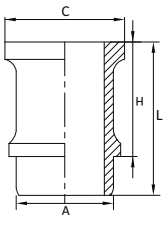
A = 88.60
C = 97.00
L = 141.00
H = 95.18



A = 88.60
C = 97.00
L = 141.00
H =95.19



A = 93.00
C = 99.20
L = 135.60
H = 90.00

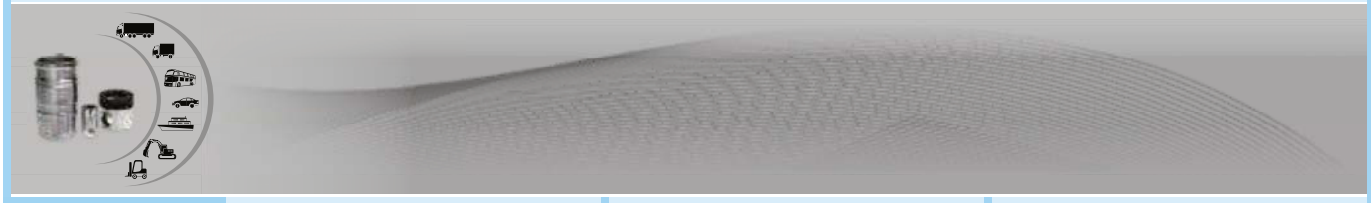




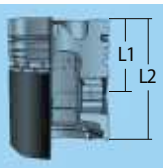
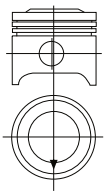
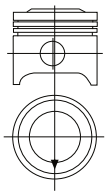
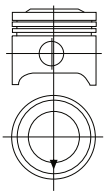
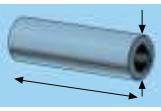
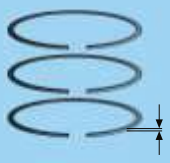
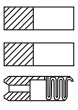
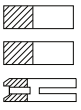
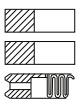
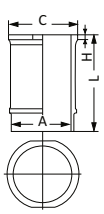
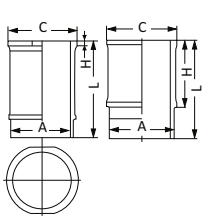
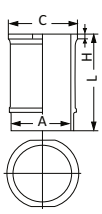
P 550 270 Std.
L 550 270
PR 550 270
K 550 270

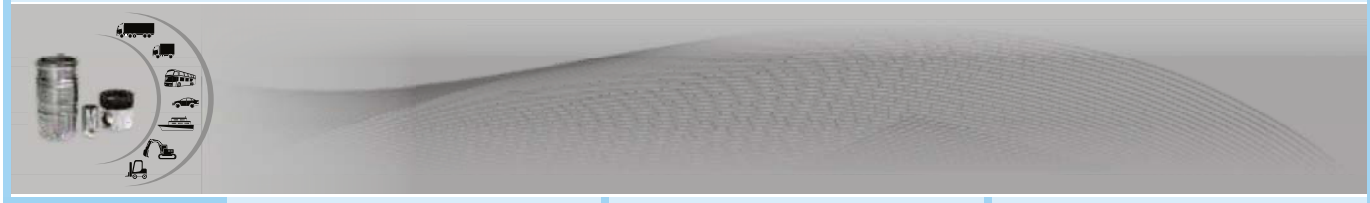
P 550 275 Std.
L 550 275
PR 550 275
K 550 275

P 550 155 Std.
L 550 155
PR 550 155
K 550 155





	19	20	21
	Motor XC 5 1618 ccm, 53 kW (72 PS) 7.6:1 **Vehicle** 404, J 7-1800, 1960-1965	**Motor XC 5 a** 1618 ccm, 53 kW, (72 PS SAE), 7.6:1 **Vehicle** 404, J 7 1800, 1965-09.1972 **Motor XC 7,** 1618 ccm, 45.6-50-53.7 kW, (62-68-73 PS SAE), 7.6:1 **Vehicle** 404, 504, 1970-06.1979 **Motor XC 7 P,** 1618 ccm, 42.5-45 kW, (58-61 PS), 7.6:1 **Vehicle** 77 E, J 7, J 9, 1970-01.1980	**Motor XC 6** 1618 ccm, 54.4 kW, (74 PS), 8.3:1 **Vehicle** 404, 1965-1968
  	**Ø 84.00 mm.** 84P15 Cyl. 41.50 4 +3.80 79.30 DSP TÇP 	**Ø 84.00 mm.** 84P16 Cyl. 41.50 4 +3.40 78.90 DSP TÇP  Combustion Bowl 73.00	**Ø 84.00 mm.** 84P17 Cyl. 42.55 4 +3.80 80.35 DSP TÇP  Combustion Bowl 76.00
	22.00 70.00 	23.00 70.00 	22.00 70.00 
	2.00 Cr 2.00 4.50 Cr 	2.00 Cr 2.00 4.50 	2.00 Cr 2.00 4.50 Cr 
	A = 89.00 C = 99.00 L = 136.00 H = 6.50 	A = 89.00 C = 99.00 L = 136.00 H = 6.50 A = 93.00 C = 99.20 L = 135.60 H = 90.00 	A = 89.00 C = 99.00 L = 136.00 H = 6.50 
	P 550 160 Std. L 550 160 PR 550 160 K 550 160	P 550 165 Std. L 550 165 L 550 166 PR 550 165 K 550 165	P 550 170 Std. L 550 170 PR 550 170 K 550 170

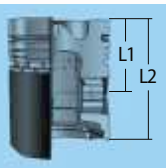




Diesel Motor XM7, **22**
1795 ccm, 7.5:1;
Vehicle 504, 505, J7, J9, Pick-Up

23

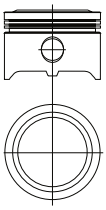
Motor XC 5 A, R 4, **24**
1618 cm³, 53 kW, (72 PS), 7,6:1
Vehicle j 7 1965....1972, 404 (USA)
1965...1972, 404 1965... 1972
Motor XC 5 P, R4,
1618 cm³, 42.5-53 mm (58-72 PS), 7,6:1
Vehicle J 7 1965-1970
Motor XC 7, R 4.
1618 cm³, 53,5 kW (73 PS), 7,6:1
Vehicle 404 1970-1980, 77 E
1970-1980, J 7 1970- 1980, J 9
1970-1980, 504 01.1970-1980



Ø 84.00 mm.
84P18

Cyl. 37.30
4 +1.43
70.70

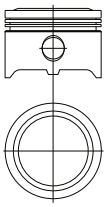
DSP
TÇP



Ø 84.00 mm.
84P19

Cyl. 38.10
4 +2.00
71.70

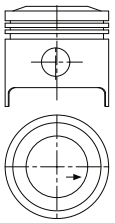
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TÇP

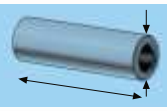


Ø84.00 mm.
84P20

Cyl 41.50
4 +3.75
77.50

DSP
YPO
TÇP





23.00
70.00

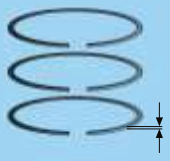


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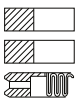


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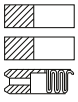




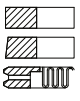
1.50
2.00
4.00



1.50
2.00
4.00

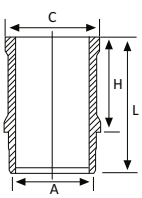


2.00
2.00
4.50

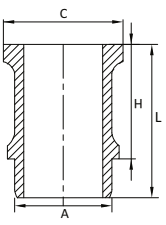




A = 93.00
C = 99.20
L = 135.60
H = 90.00



A = 89.00
C = 99.00
L = 136.00
H =6.5

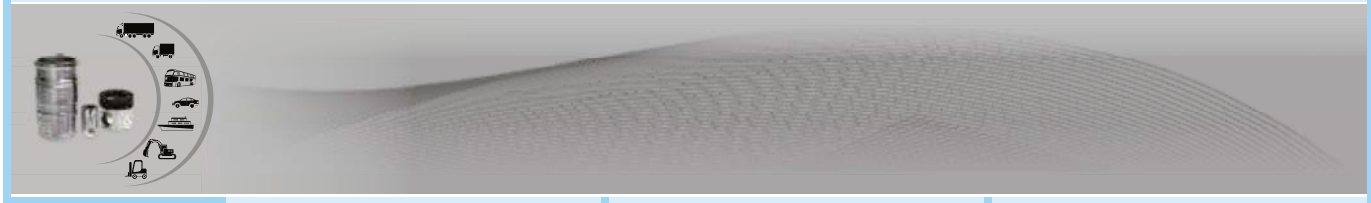




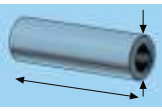
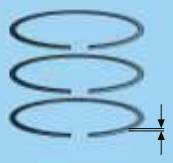
P 550 245 Std.
L 550 245
PR 550 245
K 550 245

P 550 250 Std.
PR 550 250

P 550 260 Std.
L 550 260
PR 550 260
K 550 260

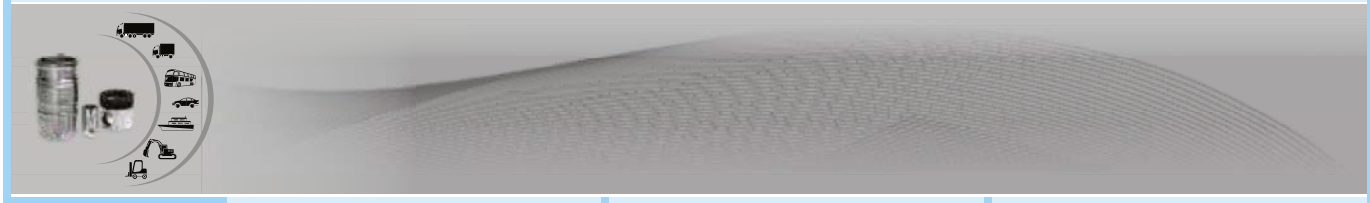




	Motor XU 10 2 C, XU 10 J2 Z, FJ2-MZ **25** 1998 ccm, 84-89 kW , (114-121 PS), 8.8:1 **Vehicle** 605,403,806 Boxer 1990	**Motor XN 1 P** **26** 1971 ccm, 55 kW, (75 PS), 7.6:1 **Vehicle** J 9, 1977-	**Motor XN 2** **27** 1971ccm, 71.5-78 kW (97-106 PS) 8.35-8.8:1 **Vehicle** 504 TI, 09.1968-09.1976
	**Ø86.00 mm.** 86P10 Cyl 40.00 4 -7.00 65.00 PSP YPO Combustion Bowl 70.40	**Ø 88.00 mm.** 88P05 Cyl. 37.70 4 70.70 DSP	**Ø 88.00 mm.** 88P06 Cyl. 37.90 4 +2.55 73.45 DSP TÇP Combustion Bowl 76.00
	22.00 62.00	23.00 74.00	23.00 74.00
	1.50 1.75 3.00	1.50 Cr 2.00 4.00	1.50 Cr 2.00 4.00
		A = 93.00 C = 101.90 L = 135.60 H = 90.00	A = 93.00 C = 101.90 L = 135.60 H = 90.00
	P 550 285 Std. P 550 285 0.25 P 550 285 0.60 PR 550 285	P 550 175 Std. L 550 175 PR 550 175 K 550 175	P 550 180 Std. L 550 180 PR 550 180 K 550 180

P

PEUGEOT





ZDJL **28**
2165 ccm, 89.5-95.5 kW,
(123-130 PS), 9.8:1
Vehicle 505 GTI, 1984-

Motor XN 1, **29**
1971 ccm, 55-73.5 kW,
(75-100 PS), 8.8:1
Vehicle 504, 505, 10.1976-
Motor XN 1T,
1971 ccm, 57 kW, (78 PS), 8:1
Vehicle J 5 1300, J 9, 10.1981-
Motor XN 2,
1971 ccm, 71.5-78 kW, (97-106 PS), 8.8:1
Vehicle 504 TI, 10.1976-

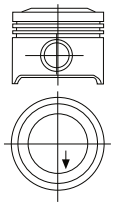
Motor XD 4.88, **30**
1948 ccm, 44 kW, (60 PS),
21:1 1963-1977
Motor TMD 88, XD 4.88, XDP 63-77-88
1948 ccm, 36-42 kW-46 kW
(49-57 PS DIN-63 PS SAE), 21-21.8:1
Vehicle 404 D, U6 D-U, 8 D-U
10 D, 504 D, J 7 D, 1971-06.1979



Ø 88.00 mm.
88P07

Cyl. 40.50
4 +1.55
68.60

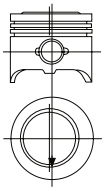
DSP
TÇP



Ø 88.00 mm.
88P08

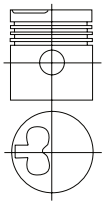
Cyl. 37.90
4 +2.98
73.88

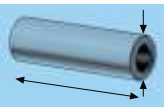
DSP
TÇP



Ø 88.00 mm.
88P09

Cyl. 58.70
4 -2.00
95.35





23.00
74.00

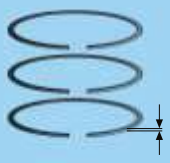


23.00
74.00

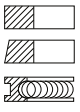


28.00
72.00

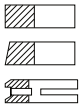




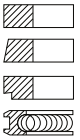
1.75 Mo
2.00
4.00



1.50 Cr
2.00
4.00

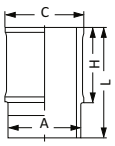


2.00 Cr
2.00
2.00
4.50

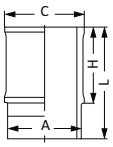




A = 93.60
C = 104.00
L = 148.50
H = 93.00

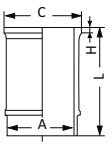


A = 93.00
C = 101.90
L = 135.60
H = 90.00



A = 96.00
C = 106.30
L = 173.00
H = 7.00

A = 94.00
C = 104.80
L = 173.00
H = 7.00



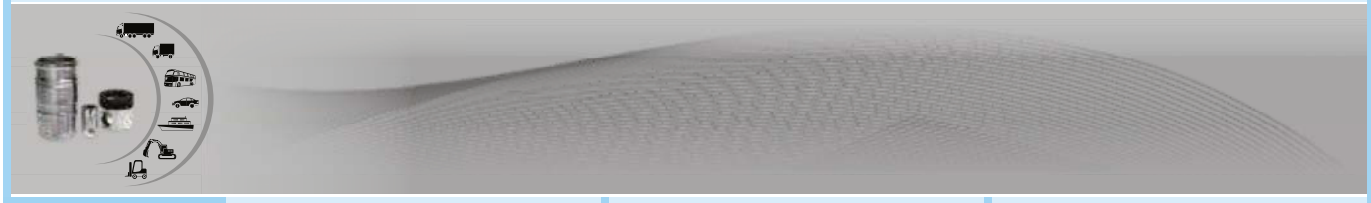


P 550 235 Std.
L 550 235
PR 550 235
K 550 235

P 550 185 Std.
L 550 185
PR 550 185
K 550 185

P 550 190 Std.
L 550 190
PR 550 190
K 550 190

L 550 191





Motor XN1 / 2,XNIT / XN1P **31**
1971 cc C 8,35:1
Carburettor & Fuel Injection
Vehicle 504. Carburettor , 1971-85, 504 F 11 , 504 H 11 Ambbulance, 1971-85, 504 L, GL, GR, Berline,Familiale,Break,Cabriolet, 1976-85, 504 Ti, Coupe, Cabriolet, 1968-83, 505 GL, GR, SR, Break, Familiale, 1980-85, J 9 1800, J 9 1900, 1981 , J5 1300, Fourgon, Combi,1981, J 9, 1980

Motor XN1 / 2,XNIT / XN1P **32**
1971 cc C 8,35:1
Carburettor & Fuel Injection
Vehicle 504. Carburettor , 1971-85, 504 F 11 , 504 H 11Ambbulance, 1971-85, 504 L, GL, GR, Berline,Familiale,Break,Cabriolet, 1976-85, 504 Ti, Coupe, Cabriolet, 1968-83, 505 GL, GR, SR, Break, Familiale, 1980-85, J 9 1800, J 9 1900, 1981 , J5 1300, Fourgon, Combi,1981, J 9, 1980

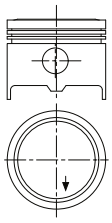
Motor XDP 4.90 **33**
2112 ccm, 43.5-45.5 kW-48-55 kW, (59-62 PS DIN-65-75 PS SAE), 21-21.5-22.1:1, 1967-1978
Vehicle 504 D, J 7 D, J 9 D, 1967-1978-
Motor XDP 6.90
3168 ccm, 78 kW, (106 PS), 22.2:1, 1967-1982



Ø88.00 mm.
88P10

Cyl 38.84
4 +0.78
71.40

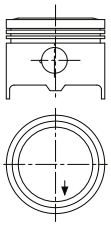
DSP
TÇP



Ø88.00 mm.
88P11

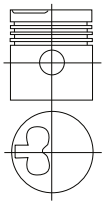
Cyl 37.80
4 +1.35
72.25

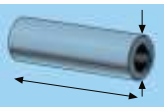
DSP
TÇP



Ø 90.00 mm.
90P15

Cyl. 57.20
4 -2.00
96.35





23.00
74.00

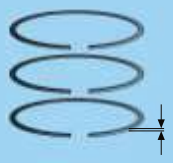


23.00
74.00

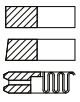


28.00
77.00

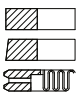




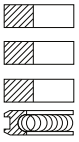
1.50
2.00
4.00



1.50
2.00
4.00

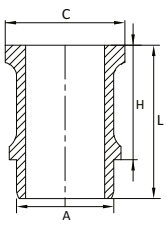


2.00 Cr
2.00
2.00
4.50

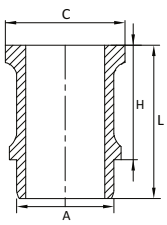




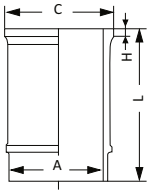
A = 93.00
C = 101.900
L = 136.200
H = 90.035



A = 93.00
C = 101.900
L = 136.200
H = 90.035



A = 96.00
C = 106.30
L = 173.00
H = 7.01





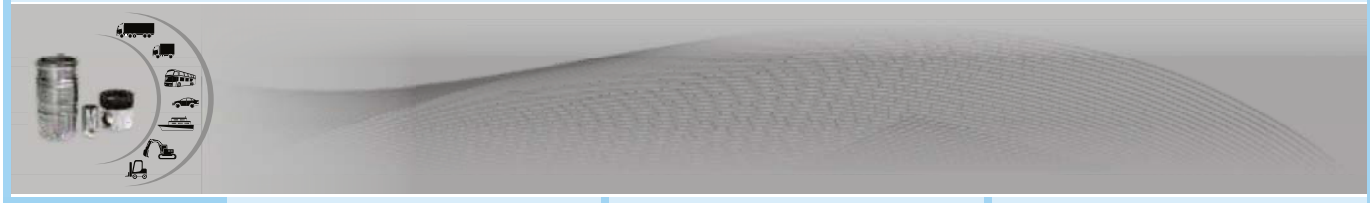
P 550 240 Std.
L 550 240
PR 550 240
K 550 240

P 550 280 Std.
L 550 280
PR 550 280
K 550 280

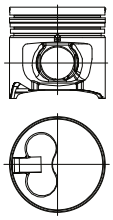
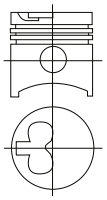
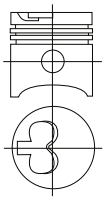
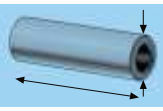
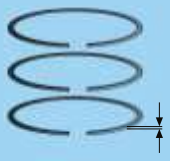
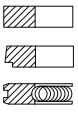
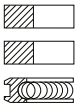
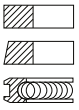
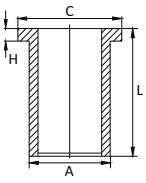
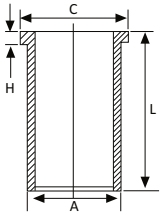
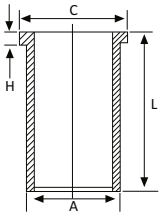
P 550 195 Std.
L 550 195
PR 550 195
K 550 195

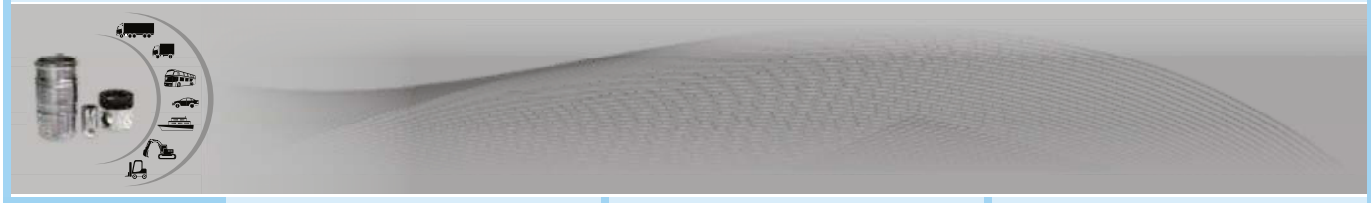
P

PEUGEOT

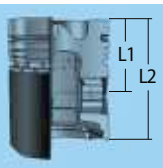
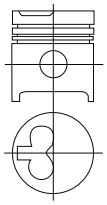
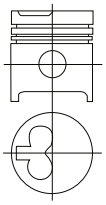
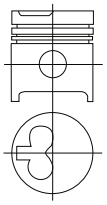
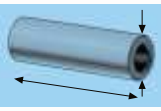
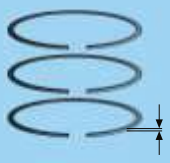
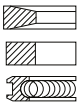
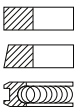
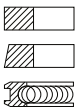
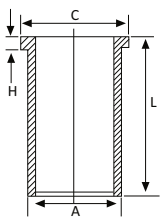
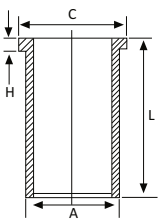
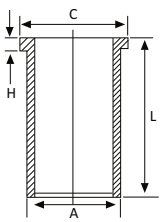


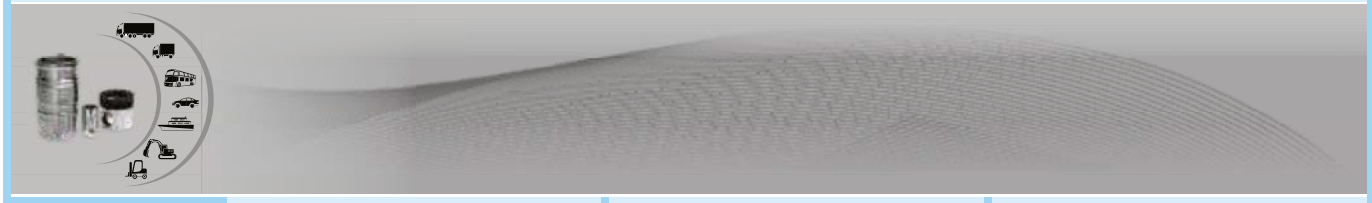


	Motor D J5 2446 ccm **Vehicle** Boxer 2.5 TD 1996 **34**	**Motor U 25/651, U 25/661** 2499 ccm, 54 kW (75 PS) 22.25:1 **Vehicle** J 5 D, 10.1983 **35**	**Motor XD 3 P** 2498 ccm, 51.5-56 kW, (70-76 PS), 23:1 **Vehicle** 505 D, 1982, 505 GLD-GRD **36**
	**Ø92.00 mm.** 92P08 Cyl 49.74 4 -3.00 79.90 YPO 	**Ø 93.00 mm.** 93P09 Cyl. 52.75 4 -5.45 -7.40 95.00 	**Ø 94.00 mm.** 94P05 Cyl. 53.92 4 -1.80 96.42 
	34.00 58.00 	30.00 78.00 	30.00 78.80 
	2.25 2.00 P 3.00 Cr P 	2.50 Mo 2.00 Mo 4.00 Cr 	2.00 Cr 2.00 4.00 Cr 
	A =96.00 C =99.00 L =160.00 H =5.00 	A = 97.50 C = 99.00 L = 163.00 H = 5.00 	A = 97.00 C = 99.00 L = 165.80 H = 3.90 
	P 550 290 Std. P 550 290 0.50 L 550 290 PR 550 290 K 550 290	P 550 200 Std. P 550 200 0.50 P 550 200 0.75 L 550 200 PR 550 200 K 550 200	P 550 205 Std. P 550 205 0.40 P 550 205 0.60 P 550 205 1.00 L 550 205 PR 550 205 K 550 205



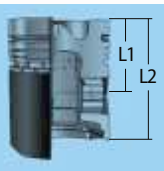


	37	38	39
	Motor XD 2 S 2304 ccm, 54-59 kW, (73-80 PS), 21:1 **Vehicle** 505 SRD Turbo, 604 D Turbo, 02.1979-1985	**Motor XD 2, XD 94** 2304 ccm, 46.5-53 kW, (63.5-72 PS), 22.2:1, **Vehicle** 504 D, 505 D, J 9 D, 09.1976-12.1980	**Motor XD 2 S** 2304 ccm, 54-59 kW, (73-80 PS), 21:1 **Vehicle** 505 SRD Turbo, 604 D Turbo, 02.1979-1985 01.1981-1983
	**Ø 94.00 mm.** 94P06 Cyl. 57.37 4 -1.95 99.87 CSY 	**Ø 94.00 mm.** 94P07 Cyl. 57.42 4 -1.80 99.92 	**Ø 94.00 mm.** 94P08 Cyl. 57.42 4 -1.80 99.92 
	30.00 78.80 	28.00 81.00 	30.00 78.80 
	3.00 Mo 2.00 Mo 4.00 Cr 	2.00 Cr 2.00 4.00 Cr 	2.00 Cr 2.00 4.00 Cr 
	A = 97.00 C = 99.50 L = 170.60 H = 3.90 	A = 97.00 C = 99.50 L = 170.60 H = 3.90 	A = 97.00 C = 99.50 L = 170.60 H = 3.90 
	P 550 210 Std. P 550 210 0.40 P 550 210 0.60 L 550 210 PR 550 210 K 550 210	P 550 215 Std. P 550 215 0.40 P 550 215 0.60 P 550 215 1.00 L 550 215 PR 550 215 K 550 215	P 550 220 Std. P 550 220 0.40 P 550 220 0.60 P 550 220 1.00 L 550 220 PR 550 220 K 550 220



Motor 126 A.000 **01**
594 ccm, 17 kW, (23 PS), 7.5:1
Vehicle 126 P, 11.1972-1977



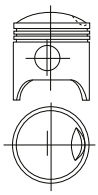


Ø 77.00 mm.
77P04

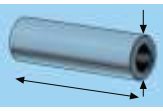
Cyl.	36.50
2	+9.50
	89.00



PSP
TÇP

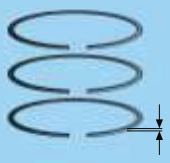




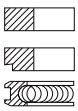


22.00
65.00





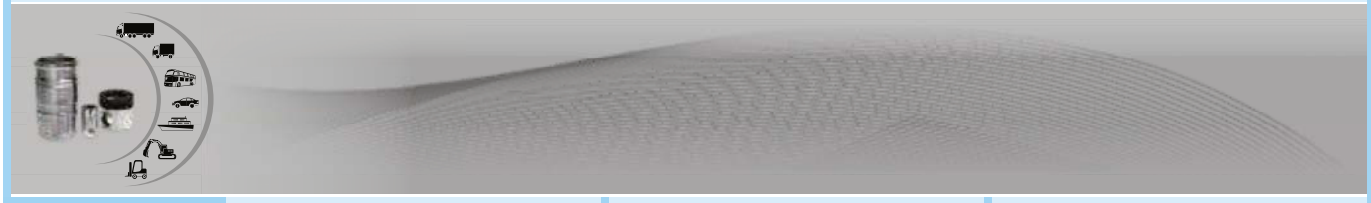
2.00 Cr
2.00
3.947



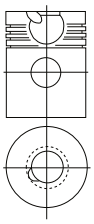
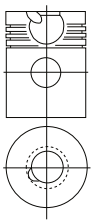
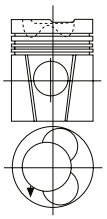
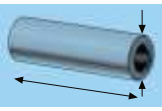
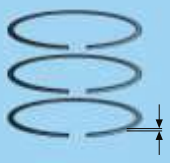
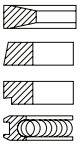
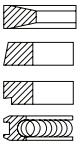
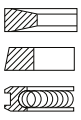
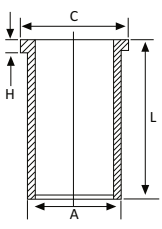
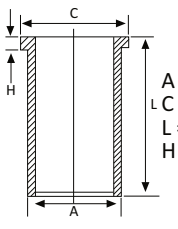
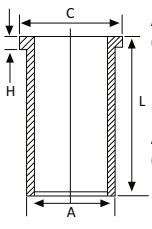




P 552 100 Std.
P 552 100 0.40
P 552 100 0.60
P 552 100 0.80
P 552 100 1.00
P 552 100 1.40
P 552 100 1.60
PR 552 100

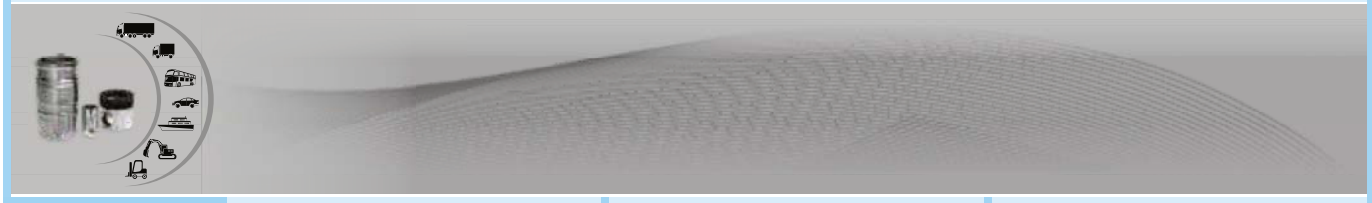




	01	02	03
	Motor D 2156,HM/ 6U/HMN6/HMN 8 10344 ccm, 141-159-169 kW, (192-216-230 PS), 17:1 **Vehicle** Baureihe 190, 216, 230, 250, 255, 256, 260, 280, IK-4, IK-5, IK-6, IK-130, IK-132, 831.03, 1966-	**Kompresor** -0.20 mm	**Motor D 10 TC** **Vehicle** Euro 2, 1995-
	**Ø 121.00 mm.** 121P05 Cyl. 94.00 6 -48.40 162.00 CSY  Combustion Bowl 47.00	**Ø 121.00 mm.** 121P06 Cyl. 93.80 6 -48.90 161.80 CSY 	**Ø 121.00 mm.** 121P07 Cyl. 94.00 6 -2.40 -16.40 -28.00 155.00 CSY  Combustion Bowl 73.00
	45.00 102.00 	45.00 102.00 	45.00 101.80 
	3.50 Cr 3.00 3.00 5.50 	3.50 Cr 3.00 3.00 5.50 Cr 	3.50 Cr 2.00 3.50 Cr 
	A = 125.99 C = 132.00 L = 287.00 H = 8.00 A = 126.49 C = 132.00 L = 287.00 H = 8.00  A = 126.99 C = 132.00 L = 287.00 H = 8.00	A = 125.99 C = 132.00 L = 287.00 H = 8.00 A = 126.49 C = 132.00 L = 287.00 H = 8.00  A = 126.99 C = 132.00 L = 287.00 H = 8.00	A = 126.99 C = 132.00 L = 287.00 H = 8.06 A = 125.99 C = 132.00 L = 287.00 H = 8.06  A = 126.09 C = 132.00 L = 287.00 H = 8.03 A = 126.99 C = 132.00 L = 287.00 H = 8.26
	P 555 100 Std. L 555 100 PR 555 100 K 555 100 L 555 101 L 555 102	P 555 105 Std. L 555 105 PR 555 105 K 555 105 L 555 106 L 555 107	P 555 110 Std. L 555 110 L 555 111 PR 555 110 K 555 110 L 555 112 L 555 113

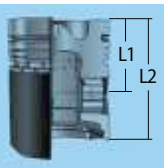
R

RABA



Motor D 2356, HMN 6/HM 6 U, **04**
10690 ccm, 162-169 kW,(220-230 PS), 17:1
Vehicle Baureihe 833, 836, U 26-
230, 250, 256, 280, 1968-



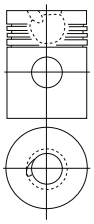




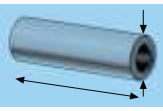


Ø 123.00 mm.
123P02

Cyl.	94.00
6	-50.50
	162.00
	161.80
	93,80
CSY	161.60
KYA	93,60
PAK	

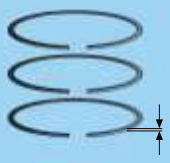


Combustion Bowl 48.50

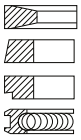


45.00
102.00





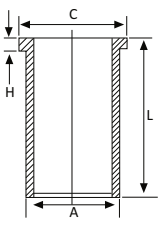
3.50 Cr
3.00
3.00
5.50 Cr





A = 125.99
C = 132.00
L = 287.00
H = 8.03

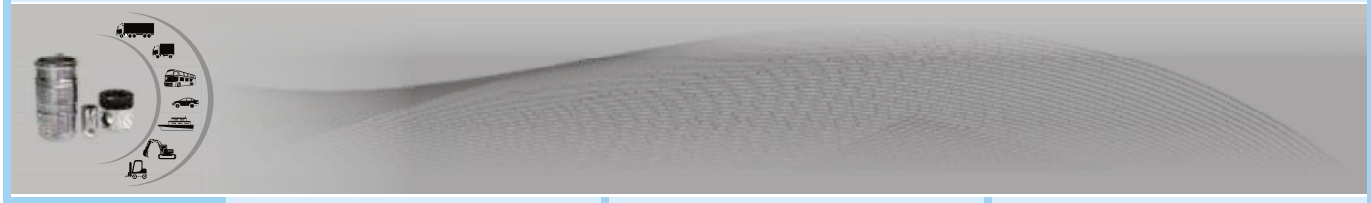
A = 126.49
C = 132.00
L = 287.00
H = 8.03





P 555 115 Std.
L 555 115
L 555 116
PR 555 115
K 555 115

R
RABA





Motor 670 **01**
845 ccm, 19-22 kW, (26-30 PS),
7.25-8.5:1
Vehicle R 2130, R 4, R 2106,
1956-04.1969

Motor 800, /01/02/A7/10 **02**
845 ccm, 21.5-26.5 kW, (29-36 PS DIN), 8:1
Vehicle R 4, R 1221, R 5, R 6/850, R 1123,
R 1180, R 2106/850, 10.1968-1986

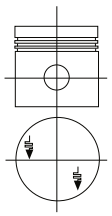
Motor 689, /10 **03**
956 ccm, 31.5-32.5 kW, (43-44 PS DIN),
8.3-9.25:1
Vehicle R 5, R 1222, R 2382, 01.1972-1979
Motor 1.0 Ltr.
956 ccm, 32.5 kW, (44 PS DIN), 9.25:1
Vehicle R 5, 1981-1985



Ø 58.00 mm.
58P01

Cyl. 30.00
4 64.00

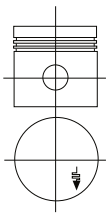
PSP



Ø 58.00 mm.
58P02

Cyl. 30.00
4 64.00

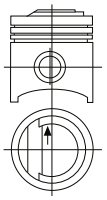
PSP

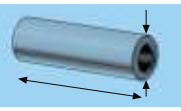


Ø 65.00 mm.
65P02

Cyl. 40.00
4 +3.10
+2.00
73.10

TÇP





14.00
49.50

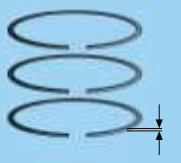


16.00
49.00

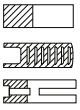


18.00
57.00
PKB

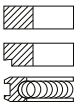




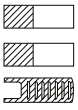
2.00
2.00
3.50



1.75 Cr
2.00
3.50 Cr



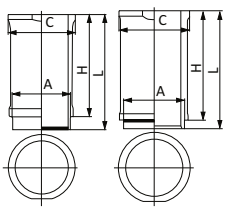
1.75 Cr
2.00
3.50



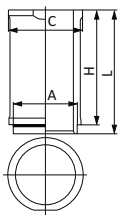


A = 62.50
C = 72.90
L = 126.00
H = 112.00

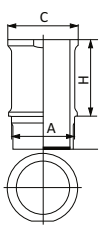
A = 62.50
C = 69.80
L = 126.10
H = 112.80



A = 62.50
C = 69.80
L = 126.10
H = 112.80



A = 75.50
C = 85.80
L = 135.00
H = 94.85

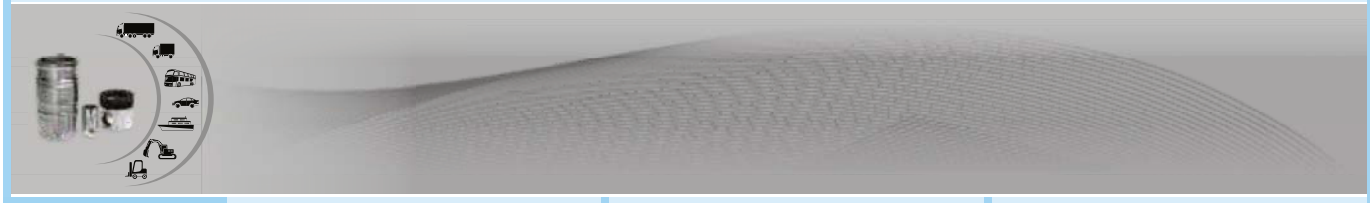




P 560 100 Std.
L 560 100
L 560 101
PR 560 100
K 560 100

P 560 105 Std.
P 560 105 0.50
L 560 105
PR 560 105
K 560 105

P 560 110 Std.
L 560 110
PR 560 110
K 560 110





Motor 688, /01/02/03/10/11/12/C 7, **04**
1108 ccm, 25-39 kW,
(34-53 PS DIN), 8.3-8.5-9.25-9.5:1
Vehicle R 4, R 5, R 6, R 8, R 9,
R 10, R 11, Carevelle 1100, R 1132,
R 1136, R 1181, R 2132, R 2134,
R 2370, R 2420, R 2430, T 800, 1965-
Motor C1 E.F. 15,C1 E-752, 688
1108 ccm, 33-35.5 kW, (45-48 PS),
9.25-9.5:1
Vehicle R 9, R 11, Express 1100,
09.1981-1988

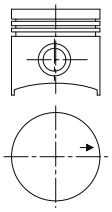
Motor C1.6 **05**
1237 ccm,
Vehicle R 19, R 9, R 11 Super 5

Motor 810.01/02/03/06/10/19/25/26/29 **06**
1289 ccm, 40-64 kW, 8-9.5:1



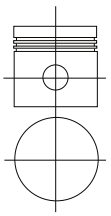
Ø 70.00 mm.
70P03

Cyl.	40.00
4	68.00



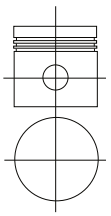
Ø 71.50 mm.
71P02

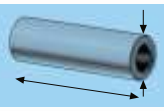
Cyl.	37.20
4	62.50



Ø 73.00 mm.
73P02

Cyl.	37.50
4	0.25
	62.95





18.00
62.00

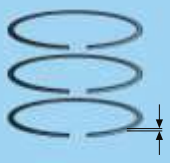


20.00
63.80

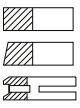


20.00
62.00

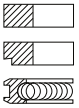




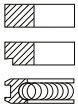
1.75 Cr.
2.00
3.50



1.75 Cr
2.00
4.00 Cr

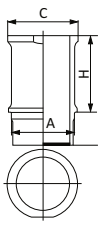


1.75 Cr
2.00
4.00

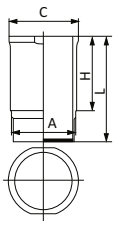




A = 75.50
C = 85.80
L = 135.00
H = 94.85



A = 78.50
C = 87.50
L = 134.00
H = 94.85





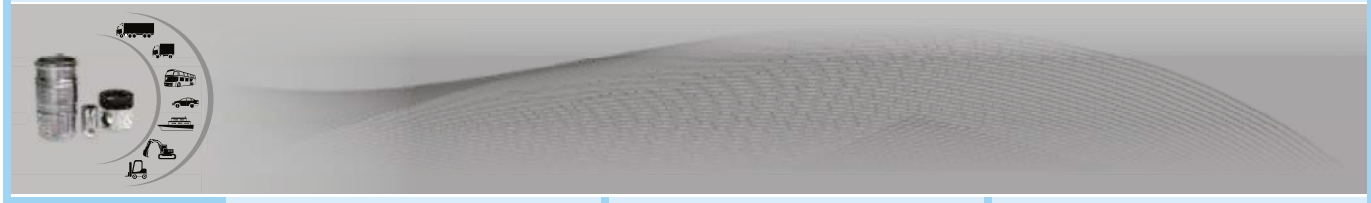
P 560 115 Std.
L 560 115
PR 560 115
K 560 115

P 560 120 Std.
PR 560 120

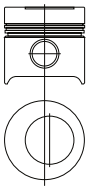
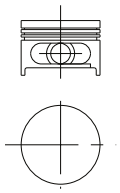
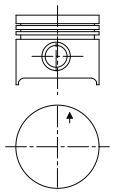
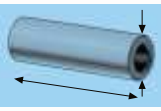
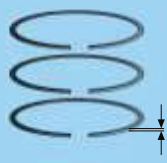
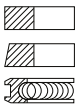
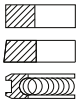
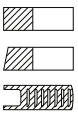
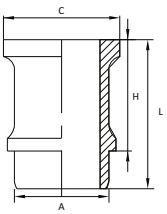
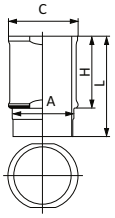
P 560 125 Std.
L 560 125
PR 560 125
K 560 125

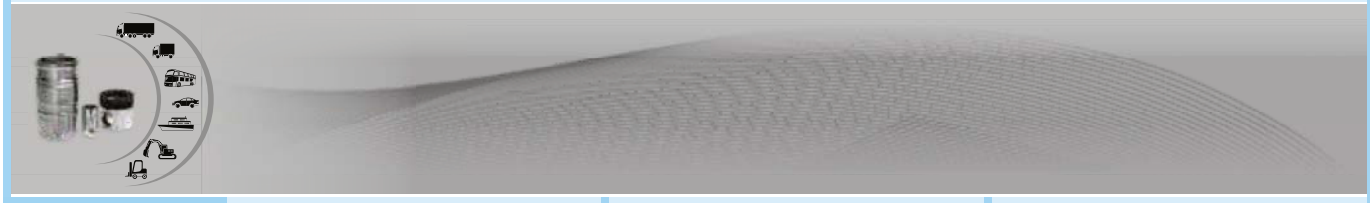
R

RENAULT





	07	08	09
	Benzin-Motor 810, 01/02/03/05, 1289 ccm 37 kW (54 PS D‹N) 9,3:1;	**Benzin Motor** E 6 J, .728 / E 6 J, .734 E 6 J, .738 / E 6 J, .720 E 6 J, .724 / E 6 J, .726 E 6 J, .728 / E 6 J, .773 R 7 J, R 4, 1390 ccm, 55-59 kW, (75-80 PS), 9,5:1 **Vehicle** Express 1992 - R 19 1989 - Clio 1991 - Kango 1997 -	**Motor 847.20,** 1397 ccm, 40-47 kW, (54.5-64 PS), 9.25:1 **Vehicle** R 5, R 18, Fuego, T 550/800/1000, 1978-1987 **Motor C1 J.J.15,** 1397 ccm, 44 kW, (60 PS), 9.25:1 **Vehicle** R 9, R 11, 09.1981-1985 **Motor C2 J.L 17, C 2 J.N 18-AX, 2J-A 768/-N 718** 1397 ccm, 50/53 kW, (68-72 PS), 9.25:1 **Vehicle** R 5, R 9, R 11, 09.1981-
	**Ø 73.00 mm.** 73P03 Cyl. 37.50 4 -3.00 62.50 	**Ø75.80 mm.** 75P20 Cyl 31.70 4 52.70 DSP 	**Ø 76.00 mm.** 76P11 Cyl. 37.70 4 63.70 
	20.00 62.00 	19.00 60.00 	20.00 63.80 PKB 
	1.75 2.00 4.00 	1.50 1.75 3.00 	1.75 Cr 2.00 4.00 
		A = 80.60 C = 90.20 H = 91.50 L = 130.00 	A = 80.55 C = 90.30 L = 134.00 H = 95.00 
	P 560 175 Std. PR 560 175	P 560 180 Std. L 560 180 PR 560 180 K 560 180	P 560 130 Std. L 560 130 PR 560 130 K 560 130

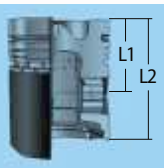




Motor 697/01 **10**
1470 ccm, 40.5 kW,
(55 PS DIN-63 PS SAE), 8.6:1
Vehicle R 16, R 1150, 1965-1970

Motor F8M-A 700 **11**
1596 ccm, 40.5 kW, (55 PS), 22.5:1
Vehicle R 5 TD, R 9 TD, R 11 TD,
Express D, 1983-1986

Motor F8M-A 700 **12**
1596 ccm, 40.5 kW, (55 PS), 22.5:1
Vehicle R 5 TD, R 9 TD, R 11 TD,
Express D, 1983-1986



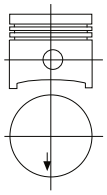




Ø 76.00 mm.
76P12

Cyl.	42.00
4	69.00

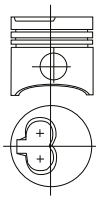
PSP



Ø 78.00 mm.
78P13

Cyl.	47.25
4	-1.50
	74.50

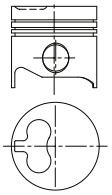
CSY

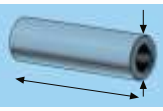


Ø 78.00 mm.
78P14

Cyl.	47.25
4	-1.50
	74.50

YPO





20.00
67.00
PKB

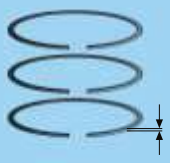


24.00
66.50

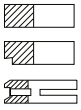


24.00
66.50

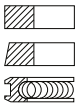




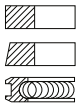
1.75 Cr
2.00
4.00



2.00 Cr
2.00
3.00 Cr



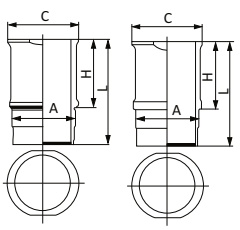
2.00 Cr
2.00
3.00 Cr



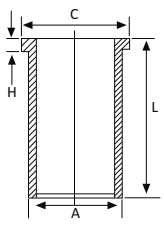


A = 82.00
C = 96.00
L = 143.00
H = 92.55

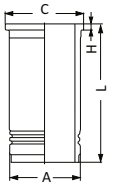
A = 82.50
C = 96.00
L = 143.00
H = 92.55



A = 81.00
C = 83.50
L = 149.00
H = 4.50



A = 81.00
C = 83.50
L = 149.00
H = 4.50





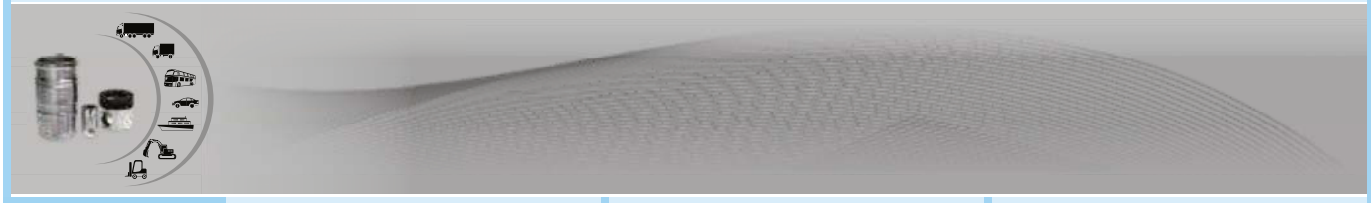
P 560 135 Std.
L 560 135
L 560 136
PR 560 135
K 560 135

P 560 140 Std.
P 560 140 0.25
P 560 140 0.50
L 560 140
PR 560 140
K 560 140

P 560 145 Std.
P 560 145 0.25
P 560 145 0.50
L 560 145
PR 560 145
K 560 145

R

RENAULT

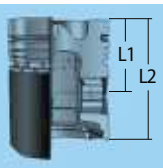




Motor A1 M, 841, **13**
05/07 1647 ccm 9, 3:1;
Vehicle Traffic P/T/1000/1200, Traction TA/T3/T4/T5/T6, Propulsion PA/P3/P5/P6, 1981

Diesel Motor F 8 Q, C 7/732/742, **14**
1870 ccm, 44/48 kW (60/65 PS), 21,5:1;
Vehicle R 19, 1989, R 19 TD/GTD/TDE, R 19 Société TD/GTD, R 21 GSD, Clio 1.9 DRT

Motor F2 N-A 700, F2 N-A 708, **15**
1700 ccm, 59-60.5 kW, 80-82 PS, 12:1
Vehicle R 9, R 11, 1984-1986
Motor F2 N-C 710,
1721 ccm, 66 kW, 90 PS, 10:1
Vehicle R 9, R 11, R 21, 03.1986-

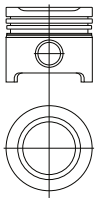






Ø 79.00 mm.
79P04

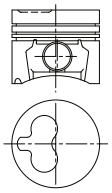
Cyl. 41.10
4 -4.80
66.50



Ø 80.00 mm.
80P22

Cyl. 42.50
4 67.40

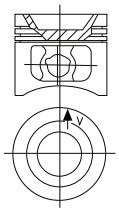
PSP
CSY
YPO

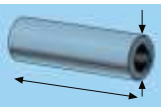


Ø 81.00 mm.
81P01

Cyl. 44.10
4 -13.40
70.10

DSP





21.00
69.00

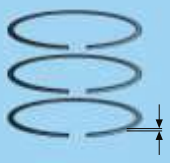


24.00
63.00

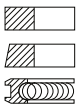


21.00
65.00

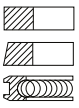




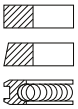
1.75 Cr
2.00
4.00 Cr



2.00
2.00
3.00 Cr

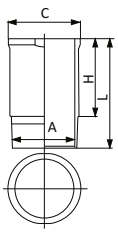


1.75 Cr
2.00
3.00 Cr





A = 84.00
C = 96.00
L = 143.50
H = 92.60

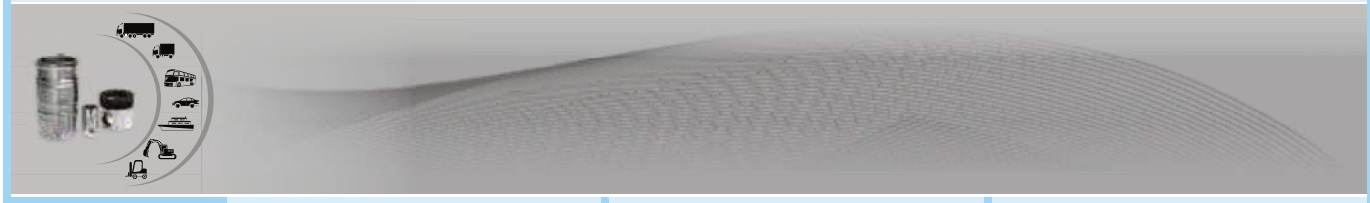




P 560 150 Std.
L 560 150
PR 560 150
K 560 150

P 560 170 Std.
P 560 170 0.25
P 560 170 0.50
PR 560 170

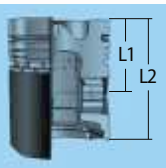
P 560 165 Std.
PR 560 165





Motor 852-A-7-00, J8S 704 **16**
2068 ccm, 45.5-49 kW,
(64-67 PS), 21.5:1
Vehicle R 18 TD, R 1344, R 1354, R 2354, R 20 TD, R 1275, R 135 400, R 21 TD, R 25 TD, Trafic TD 13/23, PA 23, PC 82/92, PA/TA 93, P/T 313, P 323, T 423, T 800 D, P/T 1000 D, P/T 1200 D, P 1400 D,12.1979-

Motor J8S 714 **17**
2068 ccm, 62.5-65.5 kW,
(85-88 PS), 21.5:1
Vehicle R 18 Turbo Diesel, R 20 Turbo Diesel, R 21 Turbo D, R 25 Turbo D, R 30 Turbo D, Fuego Turbo Diesel, Expace Turbo D, 1981-

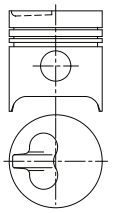






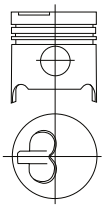
Ø 86.00 mm.
86P11

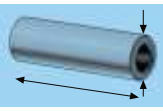
Cyl.	51.00
4	-2.20
	-4.00
	92.90
YPO	
DSP	



Ø 86.00 mm.
86P12

Cyl.	50.99
4	-4.00
	93.00
CSY	
YPO	



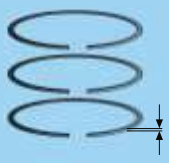


28.00
75.00

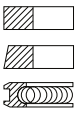


28.00
75.00

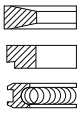




2.00 Mo
2.00
4.00 Cr

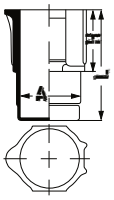


2.50 Mo
2.50
4.00 Cr

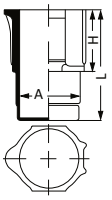




A = 93.60
L = 166.00
H = 93.05



A = 93.60
L = 167.50
H = 93.05



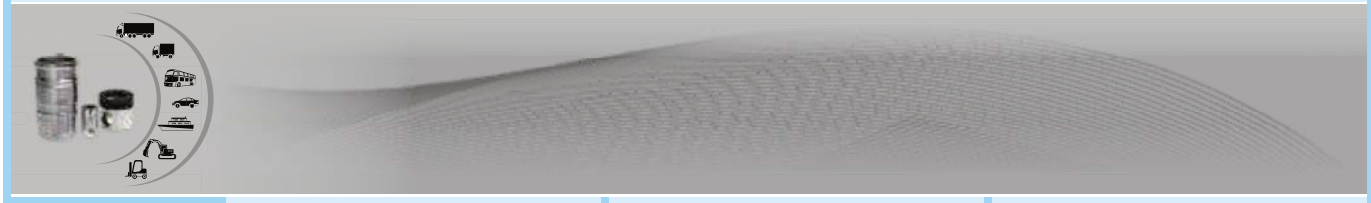


P 560 155 Std.
L 560 155
PR 560 155
K 560 155

P 560 160 Std.
L 560 160
PR 560 160
K 560 160

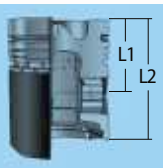
R

RENAULT



Motor **01**



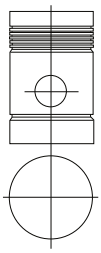


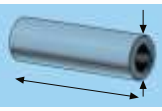
Ø 140.00 mm.
140P01

Cyl.	
1	128.00
	218.00



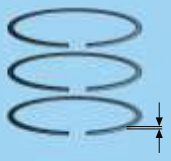
ESP



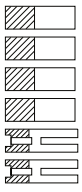


52.00
120.00





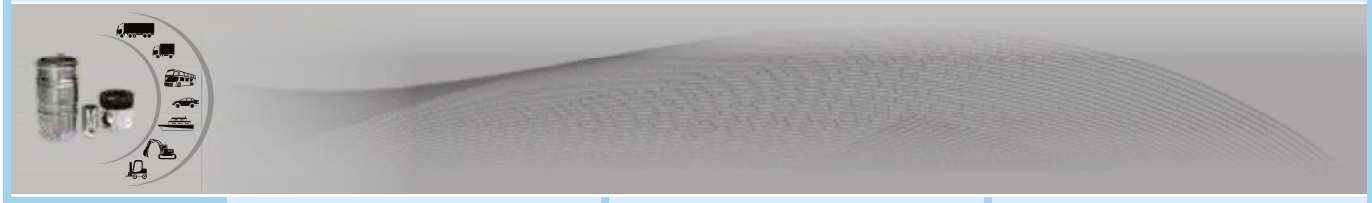
4.50	
4.50	
4.50	
4.50	
6.50	
6.50	

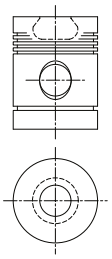
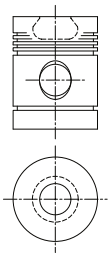
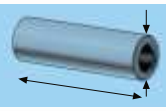
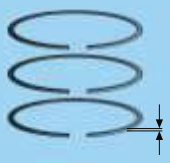
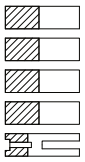
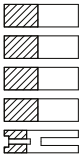


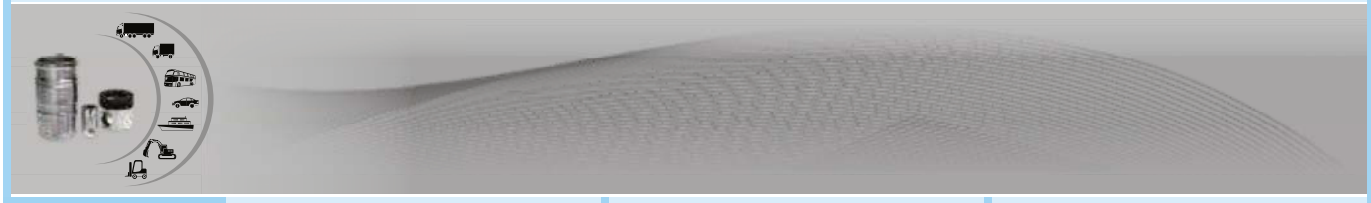


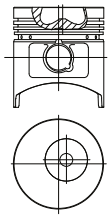
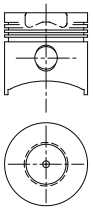
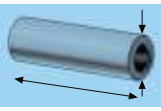
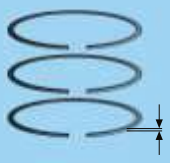
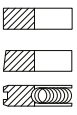
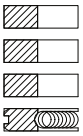


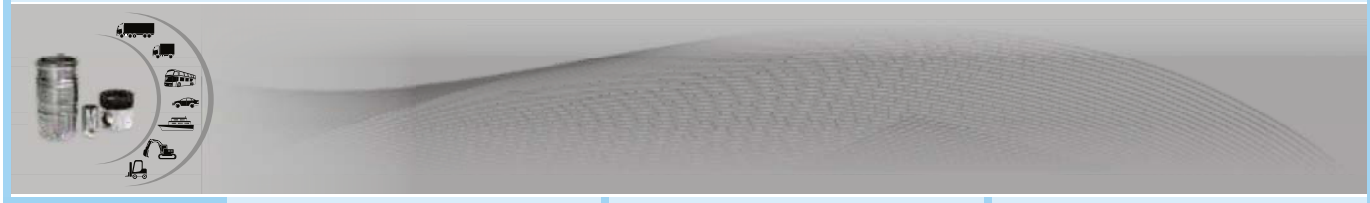
P 565 100 Std.
PR 565 100



	Motor 01	02	
			
	**Ø 120.00 mm.** 120P11 Cyl 4 90.25 -31.00 160.00 ESP KMP  Combustion Bowl 44.35	**Ø 120.00 mm.** 120P12 Cyl 4 90.25 -31.00 160.00 ESP KMP  Combustion Bowl 44.35	
	45.00 100.50 	45.00 100.50 	
	3.00 3.00 3.00 3.00 6.00 	4.00 4.00 4.00 6.00 6.00 	
			
	P 570 100 Std. PR 570 100	P 570 105 Std. PR 570 105	



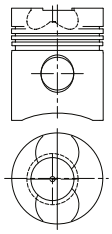
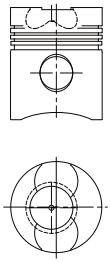
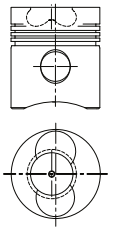
	01	Diesel Motor RD 920 02	
			
	**Ø78.00 mm.** 78P15 Cyl 38.00 -12.40 72.00  Combustion Bowl 35.16	**Ø 92.00 mm.** 92P09 Cyl 50.00 1/2 -15.10 99.90  Combustion Bowl 44.30	
	20.00 54.00 	25.00 74.00 	
	2.16 2.00 3.00 	2.50 2.50 2.50 5.00 	
			
	P 675 115 Std. PR 675 115	P 675 110 Std. PR 675 110	

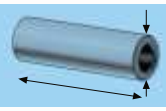




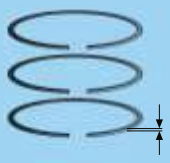
01	**02**	**03**
Motor 982/983/984/986/L 1810-2715-3620-5430 ccm, **Vehicle** 182 Delfino 35, 273 Aurona 45, 10/35 364 Corsaro 70, 564 Drago Falkon, Vigneron, Sirenetta, 1972-	**Motor 985/041** 4524 ccm, 17:1 **Vehicle** Panther	**Motor 1052/1053/1054 /1055/1056/L** 3117, 4156 ccm, 16.5:1 Vehicle 323 ccm, Minitauro 60, 427 Saturno 80, Buffalo 120,

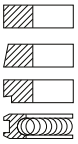
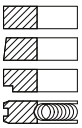
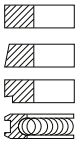


Ø 98.00 mm. 98P09	**Ø98.00 mm.** 98P10	**Ø 105.00 mm.** 105P20
Cyl. 2/3/4/6 70.00 -2.35 -22.50 120.00	Cyl 5 70.00 -2.35 -22.50 120.00	Cyl. 2/3/4/6 70.00 -2.35 -22.40 120.00
		
Combustion Bowl 46.00	Combustion Bowl 55.00	Combustion Bowl 49.00

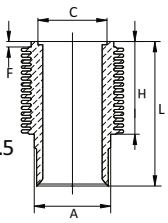
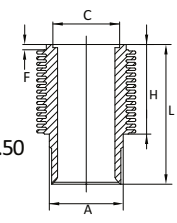
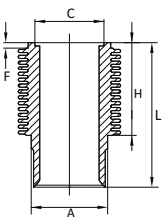


35.00 80.00	35.00 80.00	35.00 90.00
		



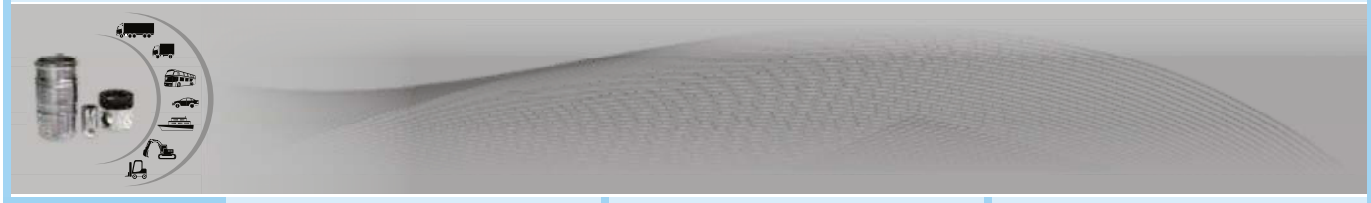
2.50 Cr 2.50 2.50 5 Cr	2.50 2.50 2.50 5.00	2.50 Cr 2.50 2.50 5.00 Cr
		



A = 114.00 C = 115.00 L = 217.50 H+F=158.00+3.5	A = 114.00 C = 115.00 L = 217.50 H + F=158.00 + 3.50	A = 117.00 C = 112.00 L = 223.00 H+F=158+3.50
		



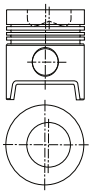
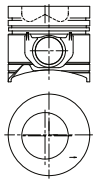
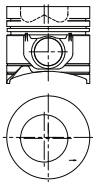
P 575 100 Std. P 575 100 0.50 P 575 100 1.00 L 575 100 PR 575 100 K 575 100	P 575 120 Std. P 575 120 0,50 P 575 120 1,00 L 575 120 PR 575 120 K 575 120	P 575 105 Std. P 575 105 0.50 P 575 105 1.00 L 575 105 PR 575 105 K 575 105

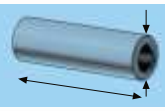




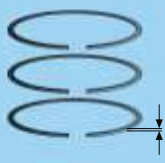
Motor 1053/1054/1055/1056 P **04**	Motor 1000.4A, 4AT **05** 4000 cc, 4 Cyl **Vehicle** Explorer 70 sp, 70c, 70 ll, Explorer 80 ll, Explorer 80c ergomatic HD, Explorer 80 special basso, Explorer 80 sp, Frutteto 75, Vigneron 75,	Motor 1000.4A, 4AT **06** 4000 cc, 4 Cyl **Vehicle** Explorer 70 sp, 70c, 70 ll, Explorer 80 ll, Explorer 80c ergomatic HD, Explorer 80 special basso, Explorer 80 sp, Frutteto 75, Vigneron 75,

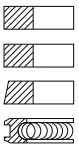


Ø 105.00 mm. 105P21		**Ø105.00 mm.** 105P22		**Ø105.00 mm.** 105P23	
Cyl. 2/4	69.06 -21.70 118.95	Cyl 4	57.25 -19.65 97.25	Cyl 4	57.30 -20.83 97.30
		YPO		CSY YPO	
		Combustion Bowl 59.90		Combustion Bowl 60.05	

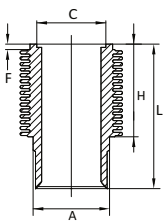
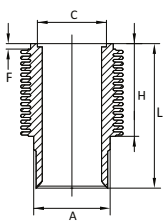


35.00 90.00		35.00 86.00		35.00 86.00	



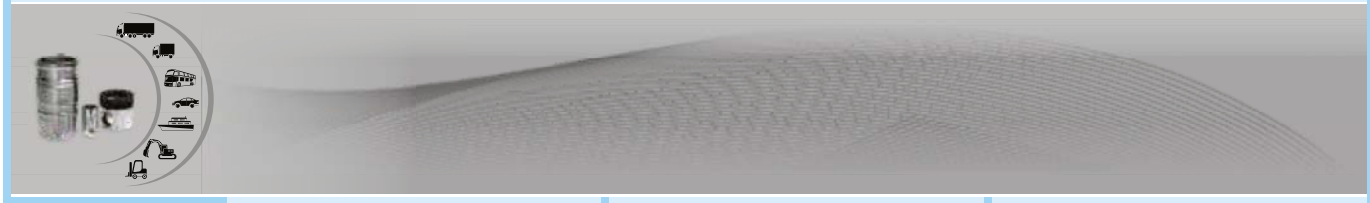
2.50 2.50 2.50 5.00		3.00 2.50 4.00		3.00 2.50 4.00	



		A = 114.800 C = 116.000 H = 72.500 F = 4.500 L = 194.500		A = 114.800 C = 116.000 H = 72.500 F = 4.500 L = 194.500	

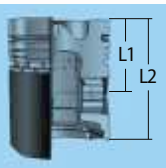


P 575 115 Std. PR 575 115	P 575 125 Std. L 575 125 PR 575 125 K 575 125	P 575 130 Std. L 575 130 PR 575 130 K 575 130



07



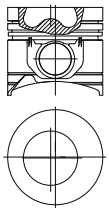


Ø105.00 mm.
105P24

Cyl 57.230
-19.350
97.285

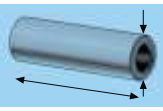


YPO



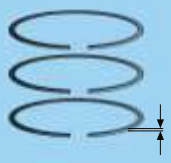


Combustion Bowl 57.65

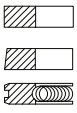


35.00
86.00



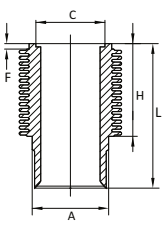


3.00
2.50
4.00





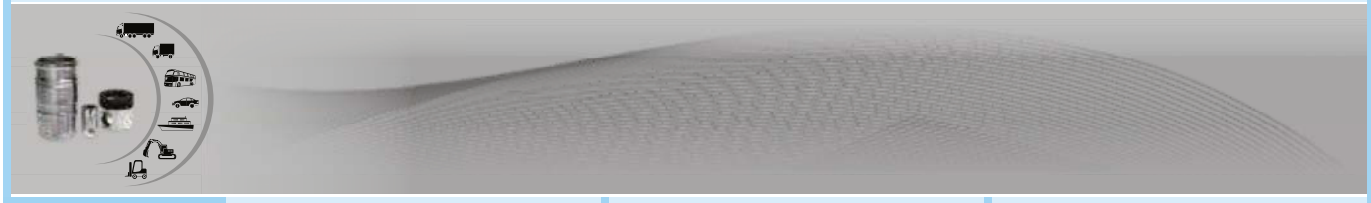
A = 114.800
C = 116.000
H = 72.500
F = 4.500
L = 194.500



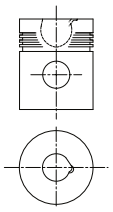
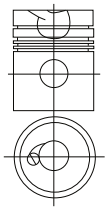
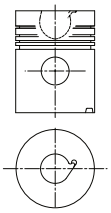
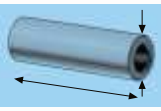
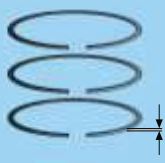
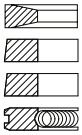
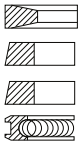
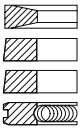
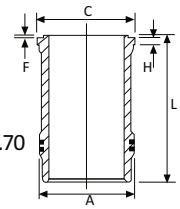
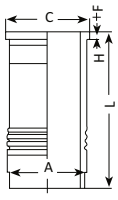


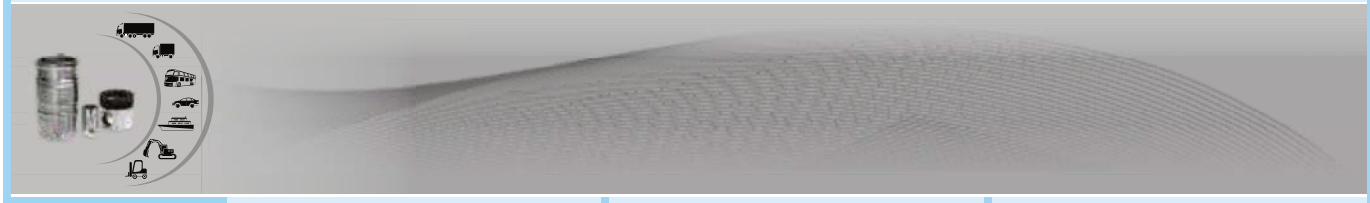
P 575 135 Std.
L 575 135
PR 575 135
K 575 135

S
SAME





01	02	03
	Motor 599, LE 01 3017 ccm, 55 kW, (75 PS), 18.1 **Vehicle** Super Galıon, Super Go'elette, SG 2, SG 4, SR 220-440, SB 2, 1967-1971	**Diesel Motor 597** 5278 ccm, 92,5 kW (126 PS) **Vehicle** SM 7-F 3000, F 3500, F 4000, F 4500, SM 8 F 3000 1967-
	**Ø 95.00 mm.** 95P26 Cyl 72.00 6 -36.35 117.00  Combustion Bowl 35.50	**Ø 98.00 mm.** 98P11 Cyl. 75.38 4 -34.00 119.38 CSY 	**Ø 100.00 mm.** 100P56 Cyl 77.80 6 -36.80 131.90 CSY YPO  Combustion Bowl 36.00
	35.00 80.00 	36.00 84.00 	36.00 86.00 
	3.00 3.00 3.00 6.00 	3.00 Cr 2.50 2.50 4.50 	3.00 2.50 2.50 5.00 
		A = 114.00 C = 120.70 L = 220.70 H+F=8.00+0.70 	A = 114.00 C = 120.90 L = 234.50 H + F=8.00 + 0.80 
	P 580 135 Std. PR 580 135	P 580 100 Std. L 580 100 PR 580 100 K 580 100	P 580 130 Std. L 580 130 PR 580 130 K 580 130

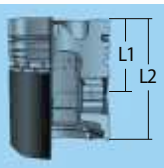




Motor 720.05 **04**
3593 ccm, 65 kW,(88 PS), 17.5:1
Motor 720.08
3593 ccm, 66 kW,(90 PS), 17.5:1
Motor 720.12
3593 ccm, 72 kW,(98PS), 17:1
Vehicle SG 5, 1972-1986 720.08 SG 5, 1972-1986 720.12

Motor 06.02.12/B **05**
C.R.17:1
Vehicle S 150 13, Midliner S 140, S 160, 508, 512, 513, Midliner M 160, PP 160 1986-1990

Diesel Motor MIDR 06 02 26, **06**
6180 ccm, 17:1; Turbocharged & Intercooled
Vehicle Midliner S 220Tİ, S 220

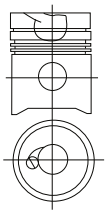






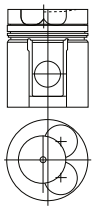
Ø 102.00 mm.
102P36

Cyl.	75.58
4	-37.95
	120.60
CSY	



Ø 102.00 mm.
102P37

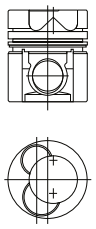
Cyl.	78.25
6	-1.40
	-20.70
	123.25
CSY	



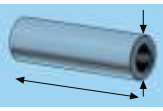
Combustion Bowl 56.00

Ø 102.00 mm.
102P38

Cyl.	71.18
4	-0.50
	-2.00
	-20.79
	108.18
CSY	



Combustion Bowl 58.80



36.00
86.00

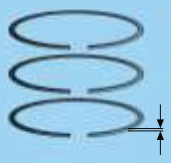


42.00
84.80

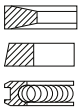


42.00
83.00

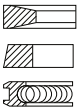




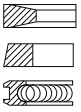
3.00 Cr
2.50
5.00 Cr



3.00 Cr
2.50
5.00 Cr

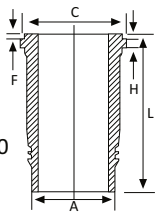


3.50
2.50
4.00

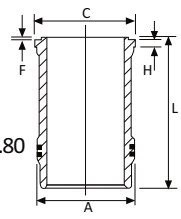




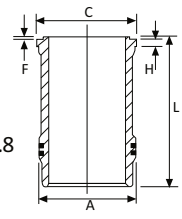
A = 114.00
C = 120.70
L = 220.70
H + F=8.00+0.70



A = 114.00
C = 122.50
L = 234.00
H + F = 8.00+0.80



A = 114.00
C = 122.50
L = 218.00
H + F= 8.00+0.8

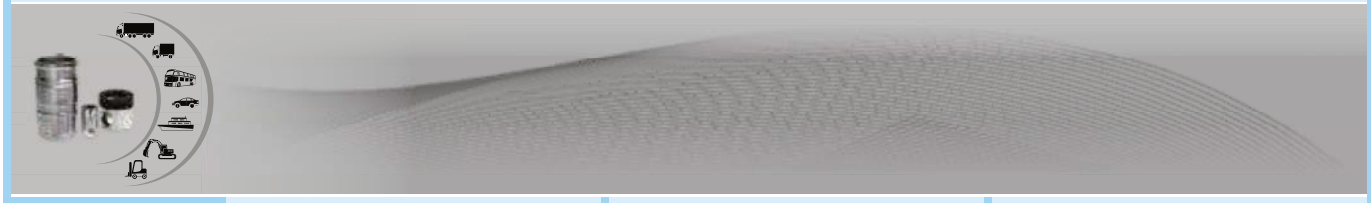




P 580 105 Std.
L 580 105
PR 580 105
K 580 105

P 580 110 Std.
L 580 110
PR 580 110
K 580 110

P 580 115 Std.
L 580 115
PR 580 115
K 580 115





Motor 720.05 **07**
3593 ccm, 65 kw (88 PS), 17.5:1; 110 mm
Motor 720.08
3593 ccm, 66 kw (90 PS), 17.5:1; 110 mm
Motor 720.12
3593 ccm, 72 kw (98 PS), 17.5:1; 110 mm
Vehicle SG5, 1972-86

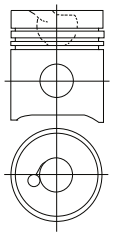
Diesel Motor 379-13 A **08**
5489 ccm
Vehicle 797-95-130/130 B/B9 /B11 /B13 /B14
-130T, B19 / TB20,TB21-150 B
11B 13-75.130.95.130-6 B 131
HB / HRIS JE/ JN /JN20/ 60/ 75/ 80/ 90/ 95,JPO11/ 13/ 14,JR 19/ 21//
3X21,OJN60- P29 S/ 36/ 36 R/36 S/41 S
130-SC28/ 29,SC
50,SN7/ 8,SM 8T -TTY-
SM 8 TM/ TU/ TUT/ TY-
SM 813,SM13 1971-



Ø 102.00 mm.
102P39

Cyl. 75.58
4 -37.95
120.60

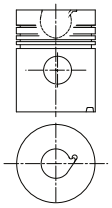
CSY



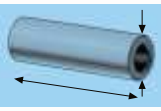
Ø 102.00 mm.
102P40

Cyl 77.80
6 -38.55
131.70

CSY
YPO



Combustion Bowl 38.00

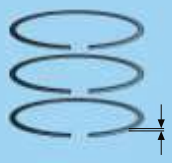


36.00
86.00

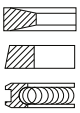


36.00
86.00

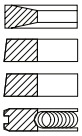




3.00 Cr
2.50
5.00 Cr

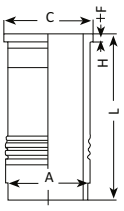


3.00
2.50
2.50
5.00





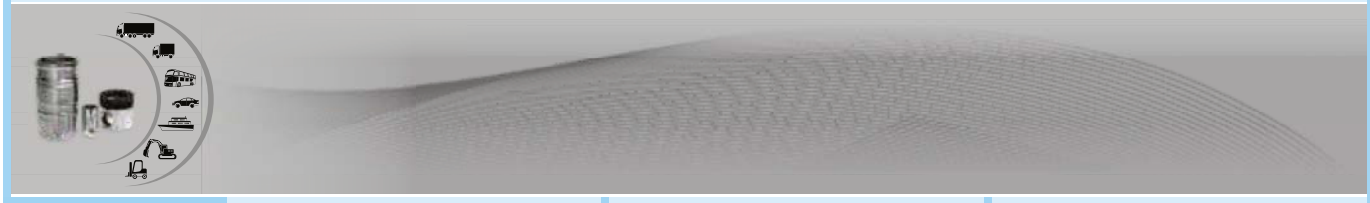
A = 114.00
C = 120.70
L = 220.70
H + F=8+0.7





P 580 120 Std.
L 580 120
PR 580 120
K 580 120

P 580 125 Std.
PR 580 125

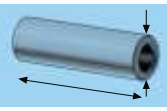




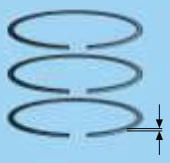
01	02	03
Motor DN 9, 8471 ccm, 162 kW, (220 PS), 16.1 **Vehicle** Baureihe 92, 1985-	**Motor DS 9.01** 8471 ccm, 185 kW, (252 PS), 16:1 **Vehicle** Baureihe 82, 92, 1985-06.1987 **Motor DSC 9.01/.02** 8471 ccm, 202-207 kW, (275-282 PS), 16:1 **Vehicle** Baureihe 92, 1985-	**Motor DS 9.05/.06/.08** 8471 ccm, 155-167-185 kW, (211-227-252 PS), 17:1 **Vehicle** Baureihe 93, 06.1987-



Ø 115.00 mm. 115P10		**Ø 115.00 mm.** 115P11		**Ø 115.00 mm.** 115P12	
Cyl.	87.35	Cyl.	87.35	Cyl.	87.40
6	-2.35	6	-2.35	6	-2.40
	-2.65		-2.65		-2.60
	-22.05		-22.05		-20.23
	139.35		139.35		139.40
CSY		CSY		CSY	
YPO		YPO		YPO	
		KMP		KMP	
Combustion Bowl 69.00		Combustion Bowl 69.00		Combustion Bowl 69.00	



50.00 92.00	50.00 92.00	50.00 92.00



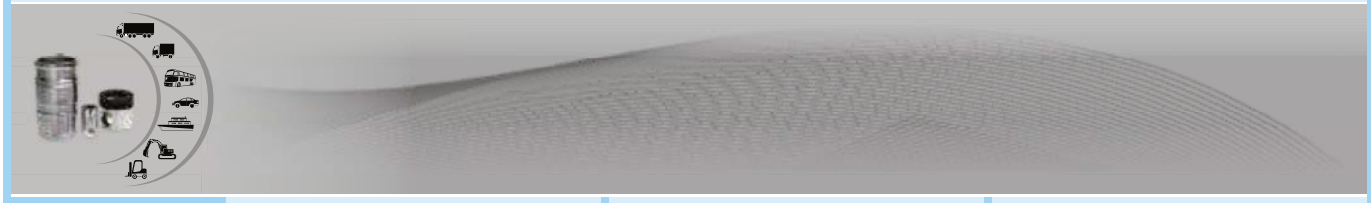
2.385 Cr 2.385 4.747 Cr	3.16 Cr 2.385 4.747 Cr	3.16 Cr 2.385 4.747



A = 130.00 C = 137.30 L = 270.50 H+F= 8.20+0.80 A = 128.00 C = 140.76 L = 265.50 H+F= 10.30+0.80	A = 128.00 C = 140.76 L = 265.50 H+F=10.30+0.80	A = 128.00 C = 140.76 L = 265.50 H+F=10.30+0.80



P 585 100 Std. L 585 100 L 585 101 PR 585 100 K 585 100	P 585 105 Std. L 585 105 PR 585 105 K 585 105	P 585 110 Std. L 585 110 PR 585 110 K 585 110





Motor D 5, **04**
5200 ccm, 77 kW, (105 PS) 17:1
Motor D 8,
7800 ccm,106.5, 115.5 kW, (145-157 PS) 17:1,
Vehicle L 5642, L 5646, L 5650, L 5638, L 6642, L 6646, L 6650, L 6638, L 8042, L 8046, L 8050, L 8034, L 8038, 1962-1969

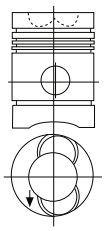
Motor DS 8, **05**
7786 ccm, 153-160 kW, (208-218 PS), 15.5.1
Vehicle Baureihe 80, 81, 82, 85, 86, 1974-1987
Motor DSJ 8,
7786 ccm, 170 kW, (231 PS), 16.1
Vehicle Baureihe 82, 1982-1987

Motor D 8, **06**
7800 ccm, 120 kW, (163 PS), 17:1
Vehicle Baureihe 80, 81, 85, 86, 1975-1976
01.1977-1978



Ø 115.00 mm.
115P13

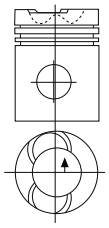
Cyl.	96.00
4/6	-2.75
	-18.10
	158.20
CSY	
ESP	



Combustion Bowl 75.50

Ø 115.00 mm.
115P14

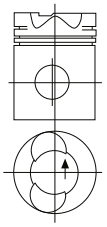
Cyl.	96.10
6	-2.30
	-18.10
	150.10
CSY	
KMP	



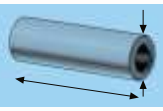
Combustion Bowl 75.10

Ø 115.00 mm.
115P15

Cyl.	96.10
6	-21.00
	150.10
	-0,15
CSY	
KMP	



Combustion Bowl 69.00



42.00
98.00

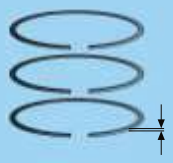


46.00
96.00

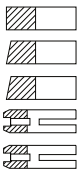


46.00
96.00

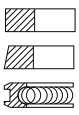




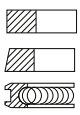
3.00 Cr
3.00
3.00
6.00
6.00



2.385 Cr
2.385
4.747 CR

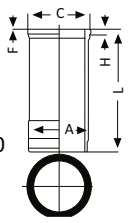


2.385 Mo
2.385
4.747 Cr



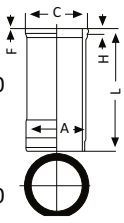


A = 130.00
C = 137.30
L = 271
H+F=8.00+0.70



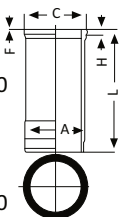
A = 130.00
C = 137.30
L = 271.00
H+F=8.00+0.70

A = 130.00
C = 137.30
L = 270.50
H+F=8.20+0.80



A = 130.00
C = 137.30
L = 271.00
H+F=8.00+0.70

A = 130.00
C = 137.30
L = 270.50
H+F=8.20+0.80



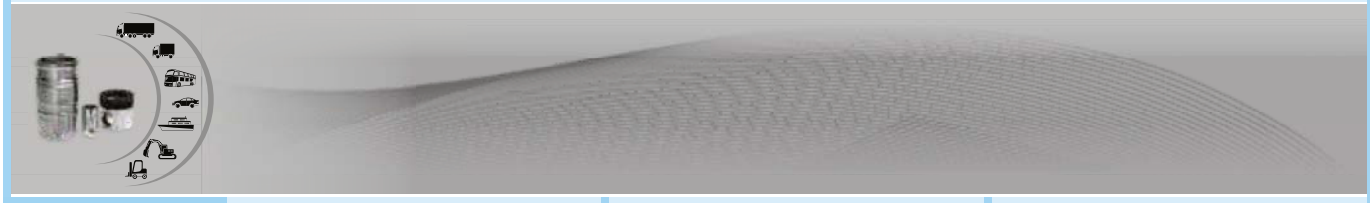


P 585 115 Std.
L 585 115
PR 585 115
K 585 115

P 585 120 Std.
L 585 120
PR 585 120
K 585 120
L 585 121

P 585 125 Std.
L 585 125
PR 585 125
K 585 125
L 585 126

S
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Motor D 8, **07**
7800 ccm, 120 kW, (163 PS), 17:1
Vehicle Baureihe 80, 81, 85, 86,
1975-1976

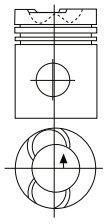
Motor D 5, **08**
5200 ccm, 77 kW, (105 PS) 17:1
Motor D 8,
7800 ccm,106.5, 115.5 kW,
(145-157 PS) 17:1,
Vehicle L 5642, L 5646, L 5650,
L 5638, L 6642, L 6646, L 6650,
L 6638, L 8042, L 8046, L 8050,
L 8034, L 8038, 1962-1969

Diesel Motor DSC9 **09**
8724 ccm, 162 - 240 kW,
(220 - 310 PS), 15.5:1
Vehicle P94CB 6x2 Tipper,P94CB 8x4
Tipper, 07/96-
P94DB 6x2 Drawbar/Rigid
P94LB 4x2 Tractor Unit
Diesel Motor DS19
8724 ccm,15.5:1



Ø 115.00 mm.
115P16

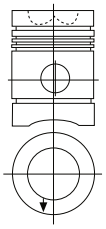
Cyl.	96.10
6	-2.65
	-18.10
	150.10
CSY	
KMP	



Combustion Bowl 75.00

Ø 115.00 mm.
115P17

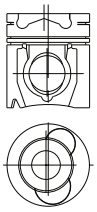
Cyl.	96.00
4/6	-18.10
	158.20
CSY	
ESP	



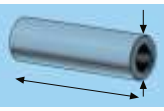
Combustion Bowl 75.50

Ø 115.00 mm.
115P18

Cyl	83.40
6	-0.50
	-20.50
	130.95
CSY	
YPO	
KMP	



Combustion Bowl 71.50



46.00
96.00

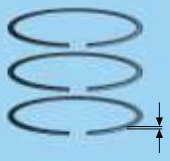


42.00
98.00

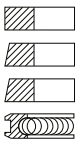


50.00
92.00

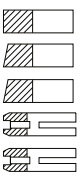




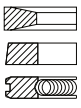
2.385 Cr
2.385
2.385
4.747 Cr



3.00 Cr
3.00
3.00
6.00
6.00



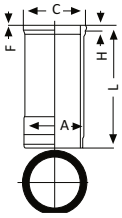
3.16
2.385
3.50



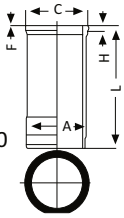


A = 130.00
C = 137.30
L = 271.00
H+F=8.00+0.70

A = 130.00
C = 137.30
L = 270.50
H+F=8.20+0.80

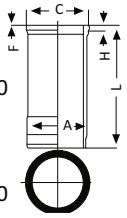


A = 130.00
C = 137.30
L = 271.00
H+F=8.00+0.70



A = 128.00
C = 140.75
L = 258.00
H + F=8.20+0.80

A = 129.95
C = 137.30
L = 271.00
H + F=8.20+0.80



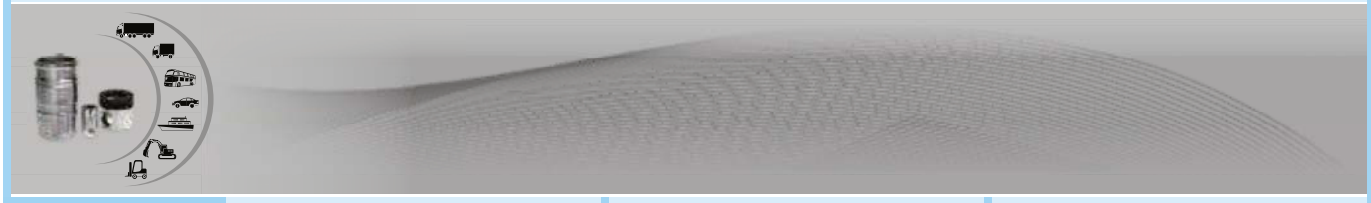


P 585 180 Std.
L 585 180
L 585 181
PR 585 180
K 585 180

P 585 195 Std.
L 585 195
PR 585 195
K 585 195

P 585 255 Std.
L 585 255
L 585 256
PR 585 255
K 585 255

S
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Motor DS 14, **10**
14181 ccm, 257 kW, (350 PS) 15:1
Vehicle Baureihe 140, 145, 1969-1976
Motor DS 14,
14181 ccm, 276-291 kW, (375-396 PS) 15-15.5:1
Vehicle Baureihe 141, 142, 146, 1977-
Motor DSI/DSC 14,
14181 ccm, 309-316 kW, (420-430 PS) 15.5:1
Vehicle Baureihe 142, 1983-

Motor DSC 14.05/14.06, **11**
14118 ccm, 290-309 kW, (394-420 PS), 16:1
Vehicle Baureihe 142, 1986-

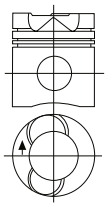
Motor D 11, **12**
11000 ccm, 143-148.5 kW, (195-202 PS), 16:1
Motor DS 11,
11000 ccm, 165.5 kW, (225 PS), 16:1
Vehicle Baureihe 110, 6345, 6429, 7634, 7635, 7638, 7642, 7646, 7650, 1962-1973



Ø 127.00 mm.
127P05

Cyl.	94.67
8	-2.92
	-26.20
	146.67

CSY

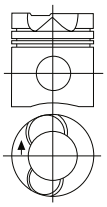


Combustion Bowl 75.50

Ø 127.00 mm.
127P06

Cyl.	94.67
8	-2.92
	24.00
	146.67

CSY
KMP

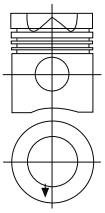


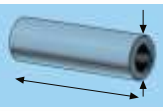
Combustion Bowl 75.50

Ø 127.00 mm.
127P07

Cyl.	98.50
6	-26.80
	166.00

CSY





50.00
108.00

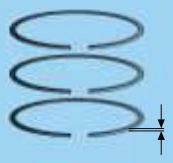


50.00
108.00

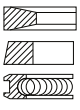


47.00
108.00

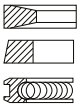




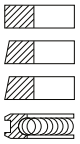
3.165 Cr
2.385
4.747 Cr



3.16 Cr
2.39
4.747 Cr

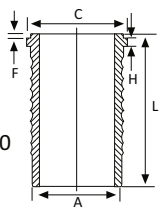


2.385 Cr
2.385
2.385
6.335 Cr

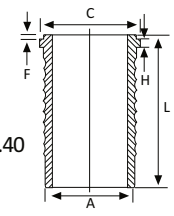




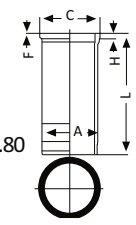
A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



A = 140.00
C = 153.80
L = 291.00
H+F=8.00+0.80

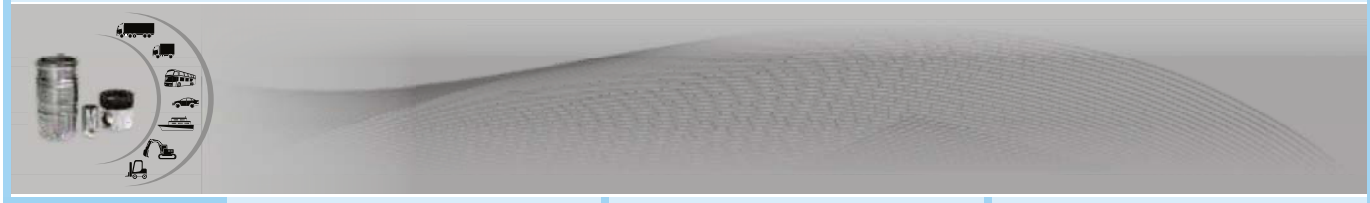




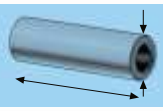
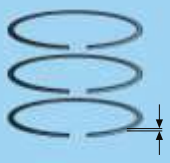
P 585 135 Std.
L 585 135
PR 585 135
K 585 135

P 585 140 Std.
L 585 140
PR 585 140
K 585 140

P 585 145 Std.
L 585 145
PR 585 145
K 585 145

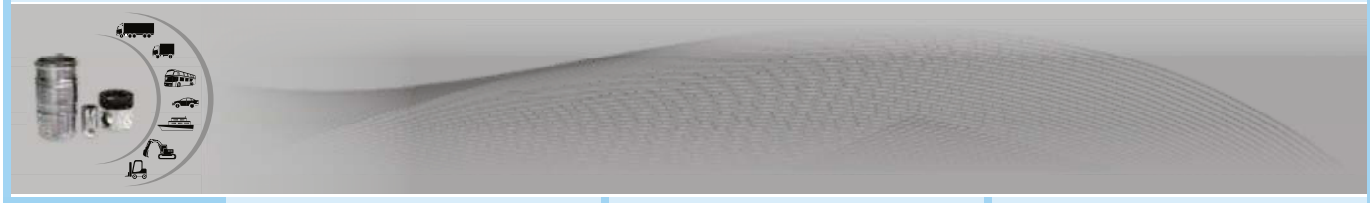




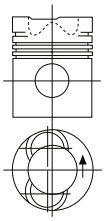
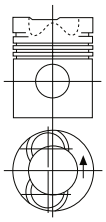
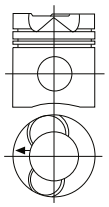
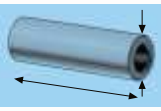
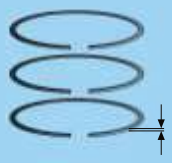
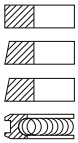
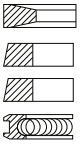
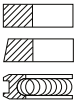
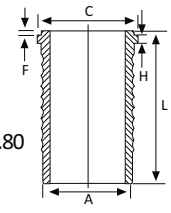
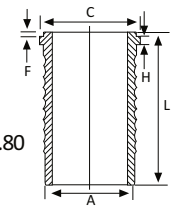
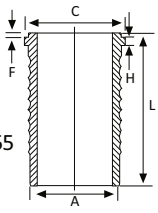
	13	14	15
	Motor D 11, 11000 ccm, 148.5-153 kW, (202-208 PS), 15-16:1 **Vehicle** Baureihe 110, 111. 08.1973-1981	**Motor DS 11 R 01,** 11000 ccm, 165.5-202 kW, (225-275 PS) 16:1 **Vehicle** Baureihe 110, 7642, 7646, 7650, 1965-1973	**Motor DS 11,** 11018 ccm, 202.5 kW, (275 PS), 15.5:1 **Vehicle** Baureihe 111, 112, 08.1973-1975 **Motor DS 1101,** 11018 ccm, 206-245 kW, (280-333 PS), 15:1 **Vehicle** Baureihe 112, 1975-1988
	**Ø 127.00 mm.** 127P08 Cyl. 98.76 6 -0.50 -27.06 156.26 CSY KMP Combustion Bowl 75.80	**Ø 127.00 mm.** 127P09 Cyl. 98.50 6 -2.50 -26.80 166.00 CSY Combustion Bowl 76.00	**Ø 127.00 mm.** 127P10 Cyl. 98.76 6 -2.96 -27.06 156.26 CSY KMP Combustion Bowl 76.00
	50.00 108.00	47.00 108.00	50.00 108.00
	2.385 Cr 2.385 4.747 Cr	2.385 Cr 2.385 2.385 6.335 Cr	2.385 Cr 2.385 4.747 Cr
	A = 140.00 C = 153.80 L = 291.00 H+F=7.90+0.80	A = 140.00 C = 153.80 L = 291.00 H+F=8.00+0.80 A = 140.00 C = 153.80 L = 291.00 H+F=8.20+0.70	A = 140.00 C = 153.80 L = 290.50 H+F=7.90+0.80
	P 585 150 Std. L 585 150 PR 585 150 K 585 150	P 585 155 Std. L 585 155 L 585 156 PR 585 155 K 585 155	P 585 160 Std. L 585 160 PR 585 160 K 585 160

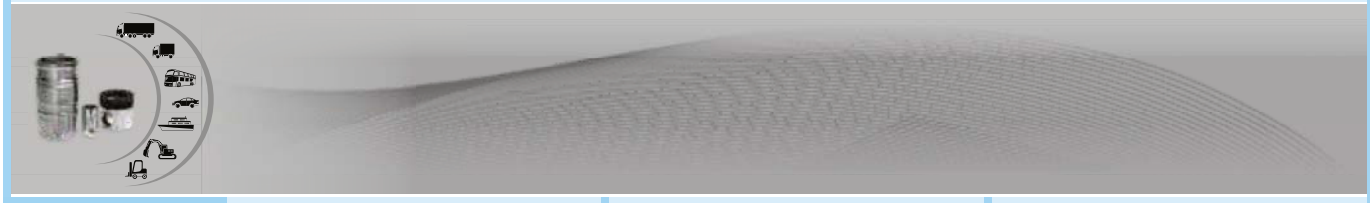
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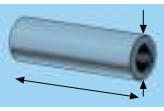
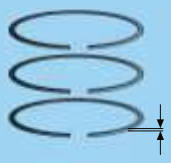




	Motor DS 11 LB 05-507 **16**	**Diesel-Motor DS/DSI/DSC 11, 11018 ccm, 145 Hub, MID** **Vehicle** 1978- **17**	**Motor D 14, 14200 ccm, 202 kW, (275 PS) 15:1** **Vehicle** Baureihe L 140, BR 145, 1971-1977 **18**
	**Ø 127.00 mm.** 127P11 Cyl. 98.76 6 -2.96 -27.06 156.26 CSY KMP  Combustion Bowl 76.00	**Ø 127.00 mm.** 127P12 Cyl. 98.76 6 -2.96 -25.41 156.26 CSY KMP  Combustion Bowl 75.80	**Ø 127.00 mm.** 127P13 Cyl. 94.67 8 -2.92 -26.20 146.67 CSY KMP  Combustion Bowl 75.50
	50.00 108.00 	50.00 108.00 	50.00 108.00 
	2.385 Cr 2.385 2.385 4.747 Cr 	3.16 Cr 2.385 2.385 4.747 Cr 	2.385 Mo 2.385 4.747 Cr 
	A = 140.00 C = 153.80 L = 291.00 H+F=8.05+0.80 	A = 140.00 C = 153.80 L = 290.50 H+F=7.90+0.80 	A = 140.00 C = 156.00 L = 276.00 H+F=10.05+0.55 
	P 585 165 Std. L 585 165 PR 585 165 K 585 165	P 585 170 Std. L 585 170 PR 585 170 K 585 170	P 585 175 Std. L 585 175 PR 585 175 K 585 175

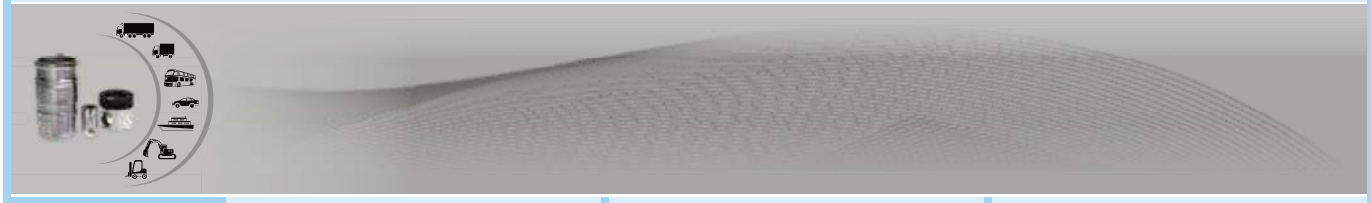




	Motor D 11, **19**	**Motor D 11,** **20**	**Motor D 14,** **21** 14200 ccm, 202 kW, (275 PS) 15:1 **Vehicle** Baureihe L 140, BR 145, 1971-1977
	**Ø 127.00 mm.** 127P14 Cyl. 98.50 6 -2.50 -26.80 166.00 CSY ESP Combustion Bowl 76.00	**Ø 127.00 mm.** 127P15 Cyl. 98.50 6 -26.80 166.00 CSY ESP Combustion Bowl 76.00	**Ø 127.00 mm.** 127P16 Cyl. 94.67 8 -2.30 -26.20 146.67 CSY KMP Combustion Bowl 75.00
	47.00 108.00	47.00 108.00	50.00 108.00
	3.16 Cr 3.16 3.16 6.335 Cr 6.335	3.16 Cr 3.16 3.16 6.335 Cr 6.335 Cr	2.385 Mo 2.385 2.385 6.335 Cr
	A = 140.00 C = 153.80 L = 291.00 H+F=8.00+0.80 A = 140.00 C = 153.80 L = 291.00 H+F=8.20+0.70	A = 140.00 C = 153.80 L = 291.00 H+F=8.00+0.80 A = 140.00 C = 153.80 L = 291.00 H+F=8.20+0.70	A = 140.00 C = 156.00 L = 276.00 H+F=10.05+0.40
	P 585 185 Std. L 585 185 L 585 186 PR 585 185 K 585 185	P 585 190 Std. L 585 190 L 585 191 PR 585 190 K 585 190	P 585 200 Std. L 585 200 PR 585 200 K 585 200

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Motor DSC 1101 **22**
11018 ccm, 252 kW, (343 PS), 15.5:1
Vehicle Baureihe 112
1986-

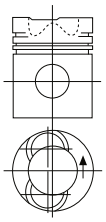
Motor DS 11, **23**
11018 ccm, 202.5 kW,
(275 PS), 15.5:1
Vehicle Baureihe 111, 112,
08.1973-1975
Motor DS 1101,
11018 ccm, 206-245 kW,
(280-333 PS), 15:1
Vehicle Baureihe 112, 1975-1988

Diesel Motor DSC 11 **24**
Euro 1, 11015 ccm, 235-280kW
(320-381 PS),
17:1; 145 mm Hub
Vehicle P 113, R 113, 1990-



Ø 127.00 mm.
127P17

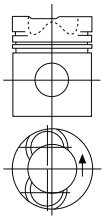
Cyl.	98.76
6	-2.96
	-24.50
	156.26
CSY	
KMP	



Combustion Bowl 75.14

Ø 127.00 mm.
127P18

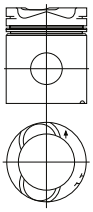
Cyl.	98.76
6	-0.50
	-27.06
	156.26
CSY	
KMP	



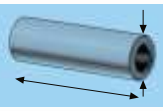
Combustion Bowl 75.80

Ø 127.00 mm.
127P19

Cyl.	98.76
6	-2.96
	-16.52
	156.26
CSY	
YPO	
KMP	



Combustion Bowl 90.00



50.00
108.00

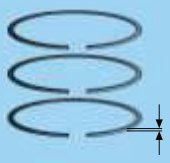


50.00
108.00

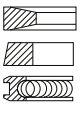


50.00
108.00

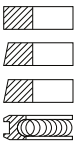




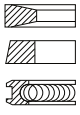
3.50 Cr
2.385
4.747 Cr



2.385 Cr
2.385
2.385
4.747 Cr

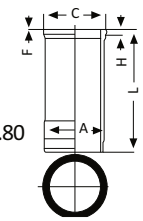


3.50 Cr
2.385
4.747 Cr

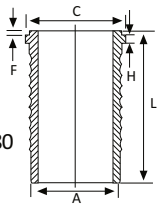




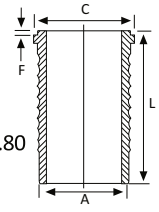
A = 140.00
C = 153.80
L = 291.00
H+F=7.90+0.80



A = 140.00
C = 153.80
L = 290.50
H + F=7.9+0.80



A = 140.00
C = 153.80
L = 291.00
H + F=7.90+0.80



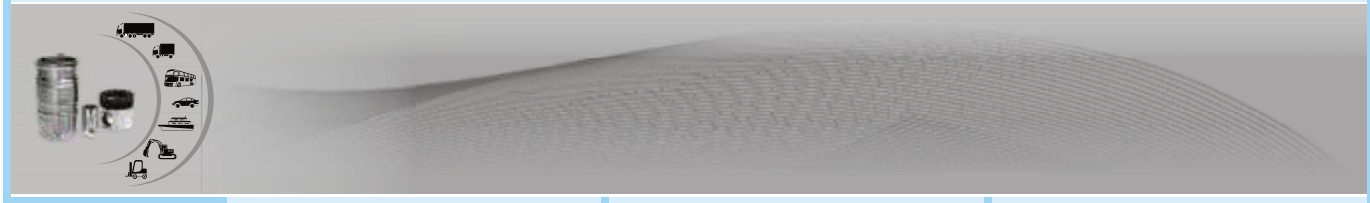


P 585 215 Std.
L 585 215
PR 585 215
K 585 215

P 585 220 Std.
L 585 220
PR 585 220
K 585 220

P 585 225 Std.
L 585 225
PR 585 225
K 585 225

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Motor DS 14, **25**
14181 ccm, 257 kW, (350 PS) 15:1
Vehicle Baureihe 140, 145, 1969-1976
Motor DS 14,
14181 ccm, 276-291 kW,
(375-396 PS) 15-15.5:1
Vehicle Baureihe 141, 142, 146, 1977-
Motor DSI/DSC 14,
14181 ccm, 309-316 kW,
(420-430 PS) 15.5:1
Vehicle Baureihe 142, 1983-

Motor DS 14 **26**
14181 ccm 257 kw (350 PS) 15:1; 140 mm
Motor DS 14.01
14200 ccm 310 kw (425 PS) 15.5:1;
Motor DS 14.02
14200 ccm 310 kw (425 PS) 15.5:1;
Motor DS 14.06
14200 ccm 291 kw (396 PS) 15.5:1;
Motor DSC 14
14181 ccm 316 kw (430 PS) 15.5:1; 140 mm
Motor DSI 14
14181 ccm 309 kw (420 PS) 15.5:1; 140 mm
Vehicle Series 140 1969-1976, Series 141 1977-, Series 142 1983-, Series 142 1986-

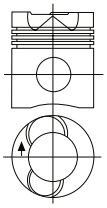
Motor 315 D 10 **27**



Ø 127.00 mm.
127P20

Cyl.	94.67
8	-2.92
	-26.20
	146.67

CSY
KMP

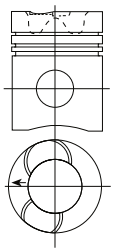


Combustion Bowl 75.20

Ø 127.00 mm.
127P21

Cyl.	94.67
8	-2.92
	-26.20
	146.67

CSY

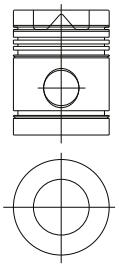


Combustion Bowl 75.50

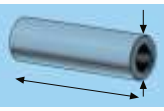
Ø 127.00 mm.
127P22

Cyl.	103.45
8	-26.00
	166.20

CSY
ESP



Combustion Bowl 74.00



50.00
108.00

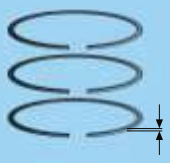


50.00
108.00

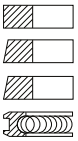


47.00
108.00

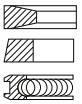




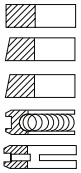
2.385
2.385
2.385
4.747



3.16 Cr
2.39
4.75 Cr

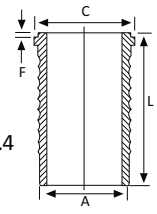


3.16
3.16
3.16
6.335
6.335

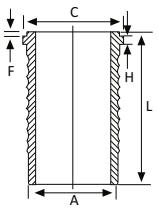




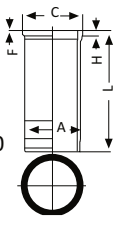
A = 140.00
C = 156.00
L = 276.00
H + F=10.05+0.4



A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.4



A = 140.00
C = 153.80
L = 291.00
H+F=8.00+0.80



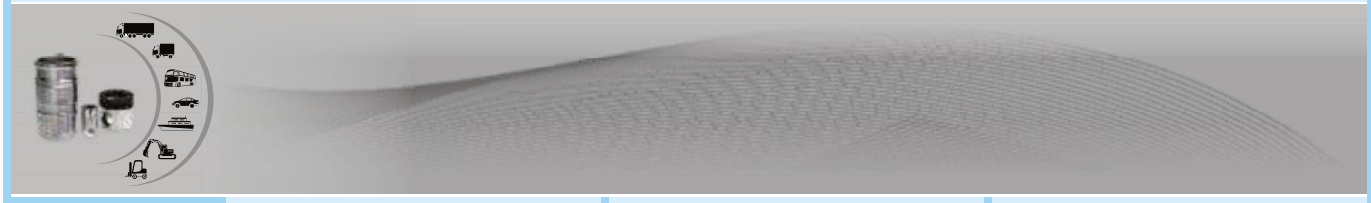


P 585 230 Std.
L 585 230
PR 585 230
K 585 230

P 585 235 Std.
L 585 235
PR 585 235
K 585 235

P 585 240 Std.
L 585 240
PR 585 240
K 585 240

S
SCANIA





Motor 315 D 10 **28**

Motor DS 11 R 01, **29**
11000 ccm, 165.5-202 kW,
(225-275 PS) 16:1
Vehicle Baureihe 110, 7642, 7646, 7650, 1965-1973

Motor DSC 14.05/14.06, **30**
14118 ccm, 290-309 kW,
(394-420 PS), 16:1
Vehicle Baureihe 142, 1986-

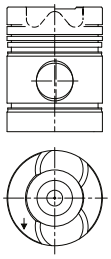






Ø 127.00 mm.
127P23

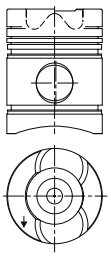
Cyl	103.45
8	-3.00
	-26.00
	166.20
CSY	
ESP	



Combustion Bowl 74.00

Ø 127.00 mm.
127P24

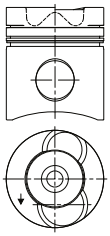
Cyl	98.50
6	-2.50
	-26.80
	166.00
CSY	
ESP	



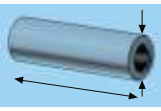
Combustion Bowl 75.50

Ø 127.00 mm.
127P25

Cyl	94.67
8	-2.92
	-24.00
	146.67
CSY	
KMP	



Combustion Bowl 75.50



47.00
108.00

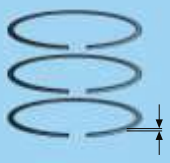


47.00
108.00

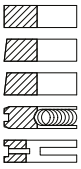


50.00
108.00

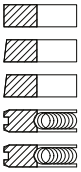




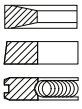
3.16
3.16
3.16
6.335
6.335



2.385
2.385
2.385
6.335
6.335

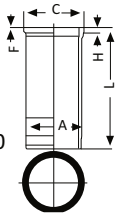


3.50
2.385
4.747



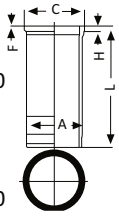


A = 140.00
C = 153.80
L = 291.00
H+F=8.00+0.80

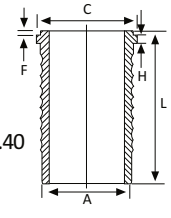


A = 140.00
C = 153.80
L = 291.00
H+F=8.00+0.80

A = 140.00
C = 153.80
L = 291.00
H+F=8.20+0.70



A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



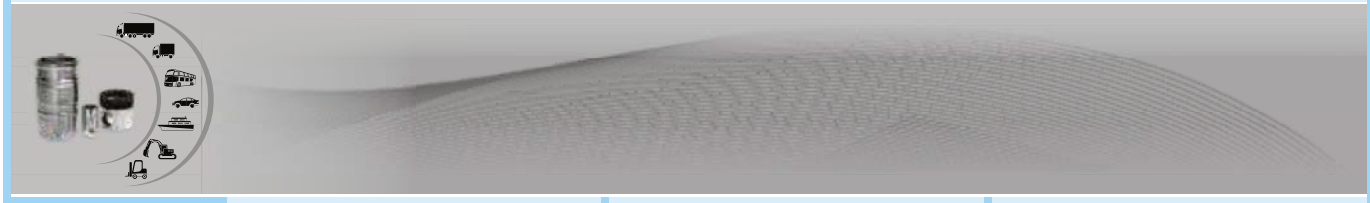


P 585 245 Std.
L 585 245
PR 585 245
K 585 245

P 585 250 Std.
L 585 250
L 585 251
PR 585 250
K 585 250

P 585 260 Std.
L 585 260
PR 585 260
K 585 260

S
SCANIA





Motor DSC 1101 **31**
11018 ccm, 252 kW, (343 PS), 15.5:1
Vehicle Baureihe 112
1986-

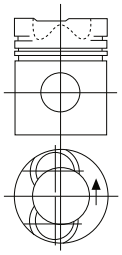
Motor DS 14, **32**
14181 ccm, 257 kW, (350 PS) 15:1
Vehicle Baureihe 140, 145,
1969-1976
Motor DS 14,
14181 ccm, 276-291 kW,
(375-396 PS) 15-15.5:1
Vehicle Baureihe 141, 142, 146,
1977-
Motor DSI/DSC 14,
14181 ccm, 309-316 kW,
(420-430 PS) 15.5:1
Vehicle Baureihe 142, 1983-

Motor D 14, **33**
14200 ccm, 202 kW, (275 PS) 15:1
Vehicle Baureihe L 140, BR 145,
1971-1977



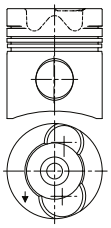
Ø 127.00 mm.
127P26

Cyl.	98.76
6	-2.96
	-24.50
	156.26
CSY	



Ø 127.00 mm.
127P27

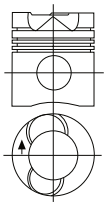
Cyl	94.67
8	-2.92
	-26.20
	146.67
CSY	
KMP	



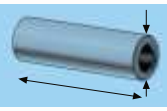
Combustion Bowl 75.50

Ø 127.00 mm.
127P28

Cyl.	94.67
8	-2.30
	-26.20
	146.67
CSY	
KMP	



Combustion Bowl 75.00



50.00
108.00

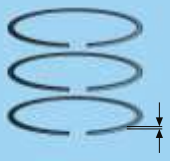


50.00
108.00

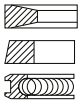


50.00
108.00

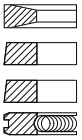




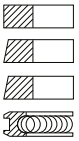
3.16 Cr
2.385
4.747 Cr



3.165
2.385
2.385
4.747

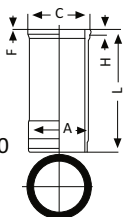


2.385 Mo
2.385
2.385
4.747 Cr

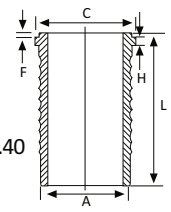




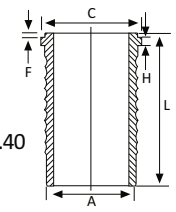
A = 140.00
C = 153.80
L = 291.00
H+F=7.90+0.80



A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



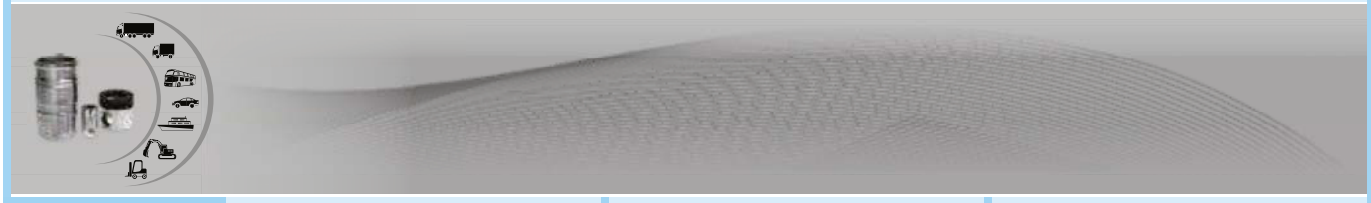


P 585 265 Std.
L 585 265
PR 585 265
K 585 265

P 585 270 Std.
L 585 270
PR 585 270
K 585 270

P 585 275 Std.
L 585 275
PR 585 275
K 585 275

S
SCANIA





Motor DSC 14.08, DSC 14.10 **34**
14181 ccm, 331 kW, (450 PS), 17:1
Vehicle Turbo, LLK
Einbaumotor
Motor DSC 14.16
14181 ccm, 368 kW, (500 PS), 17:1
Vehicle Turbo, LLK
R 143, T 143
Motor DSI 14.77
14181 ccm, 17:1
Vehicle Turbo, LLK
Einbaumotor

Motor DSC 14.08, DSC 14.10, DS 11.75 **35**
14181 ccm, 331 kW, (450 PS), 17:1
Motor DSC 14.09/16
14181 ccm, 368 kW, (500 PS), 17:1
Vehicle R/T 143
Motor DSI 14.77
14181 ccm, 17:1

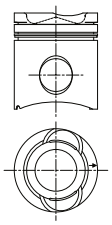
Motor DSC 14.03/04/08/09/16 **36**
14180 ccm, 331- 345 kW,
(450-470 PS), 16:1
Vehicle Baureihe 143 1988-
Motor DSC 14.10
14181 ccm, 331-345 kW,
(450-470 PS), 16:1
Vehicle Baureihe 143



Ø 127.00 mm.
127P29

Cyl	94.67
8	-2.92
	-15.92
	146.67

CSY
YPO
KMP

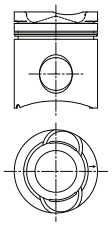


Combustion Bowl 89.35

Ø 127.00 mm.
127P30

Cyl	94.67
8	-2.98
	-15.92
	146.67

CSY,
SKP
PAK
YPO

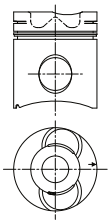


Combustion Bowl 89.35

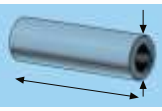
Ø 127.00 mm.
127P31

Cyl	94.67
8	-2.92
	-23.85
	146.67

CSY,
SKP
PAK
YPO
KMP



Combustion Bowl 75.00



50.00
108.00

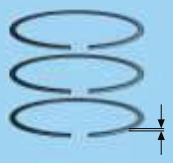


50.00
108.00



50.00
108.00





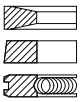
3.50
2.38
4.74



3.50
2.385
4.747

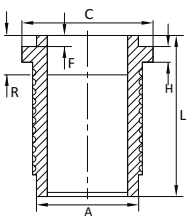


3.50
2.385
4.747

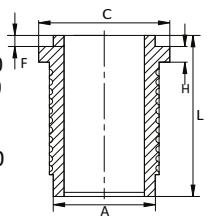




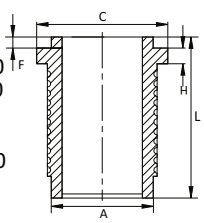
A = 140.00
C = 155.70
H = 10.05
F = 0.40
L = 275.50
R= 12.00



A = 140.00
C = 155.70
H = 10.05
F = 0.40
L = 275.50



A = 140.00
C = 155.70
H = 10.05
F = 0.40
L = 275.50

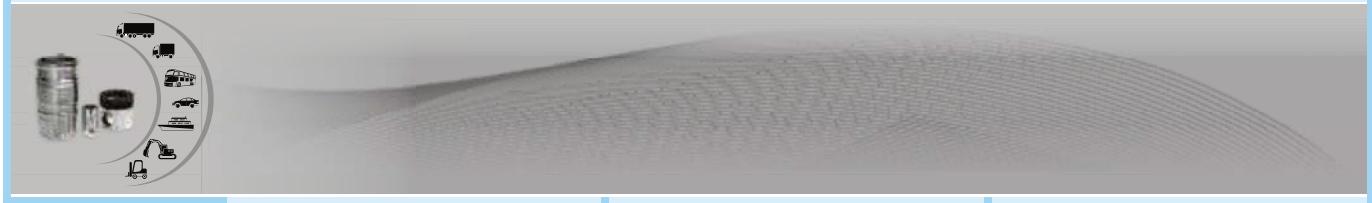




P 585 280 Std.
L 585 280
PR 585 280
K 585 280

P 585 285 Std.
L 585 285
PR 585 285
K 585 285

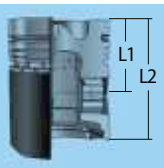
P 585 290 Std.
L 585 290
PR 585 290
K 585 290





Motor DS 14, **37**
14181 ccm, 257 kW, (350 PS) 15:1
Vehicle Baureihe 140, 145,
1969-1976
Motor DS 14,
14181 ccm, 276-291 kW,
(375-396 PS) 15-15.5:1
Vehicle Baureihe 141, 142, 146,
1977-
Motor DSI/DSC 14,
14181 ccm, 309-316 kW,
(420-430 PS) 15.5:1
Vehicle Baureihe 142, 1983-

Motor DSC 14.10 Euro 2 **38**
Diesel 14101 ccm, 390 Kw



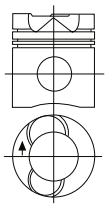




Ø 127.00 mm.
127P32

Cyl.	94.67
8	-2.92
	-26.20
	146.67

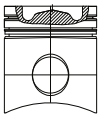
CSY
KMP



Combustion Bowl 75.50

Ø127.00 mm.
127P33

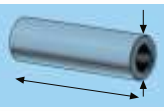
Cyl	94.67
	-19.50
	3.00
	146.67



CSY
YPO
KMP
PBP



Combustion Bowl 83.00

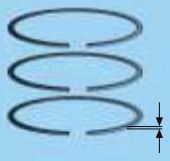


50.00
108.00

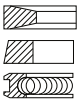


50.00
102.00

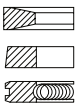




3.50
2.385
4.747 Cr

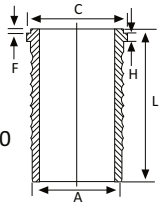


3.50 Cr
2.385
3.50 Cr

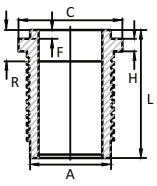




A = 140.00
C = 156.00
L = 276.00
H+F=10.05+0.40



A = 140.00
C = 155.86
H = 10.07
F = 0.38
L = 275.50
R= 8.50

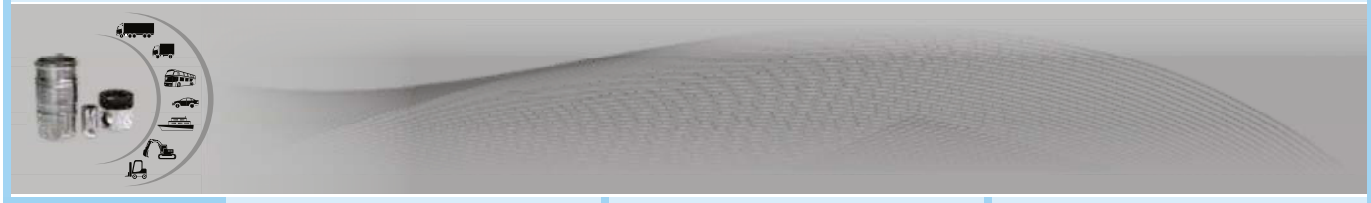


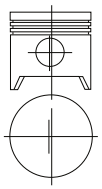
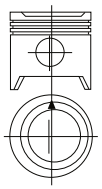
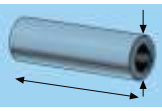
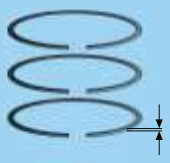
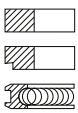
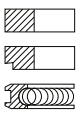


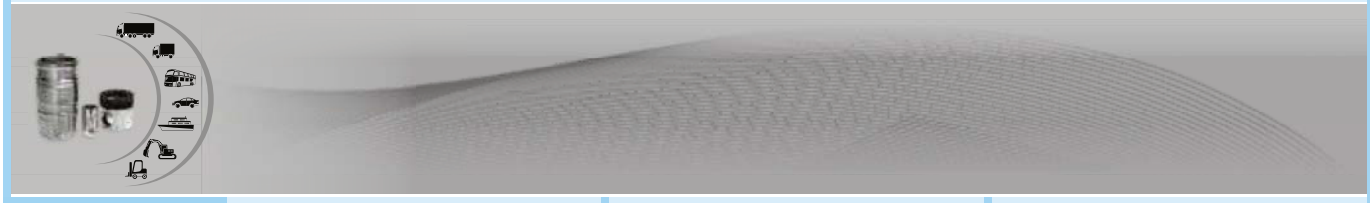
P 585 295 Std.
L 585 295
PR 585 295
K 585 295

P 585 300 Std.
L 585 300
PR 585 300
K 585 300

S
SCANIA

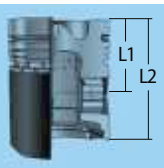


	**Motor DG** 843 ccm, 25 kW, (34 PS), 8:1 **Vehicle** 133, 1974- **01**	**Motor** 903 ccm, 29.5 kW, (40 PS), 8.5:1 **Vehicle** Marbella L/GL/GLX, Furgonetta TERRA 1986- **02**	
	**Ø 65.00 mm.** 65P03 Cyl. 32.50 4 63.00 	**Ø 65.00 mm.** 65P04 Cyl. 31.65 4 -2.45 -62.15 	
	19.99 54.00 	19.99 54.00 	
	1.75 Cr 2.00 3.947 Cr 	1.50 Cr 2.00 3.947 	
			
	P 590 100 Std. P 590 100 0.40 P 590 100 0.60 P 590 100 1.00 PR 590 100	P 590 105 Std. P 590 105 0.40 P 590 105 0.60 P 590 105 1.00 PR 590 105	



01



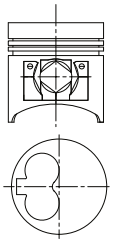




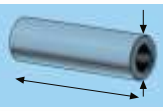


Ø 84.00 mm.
84P21

Cyl	
4	47.70
	-2.80
	87.70

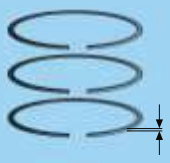


PSP
KMP

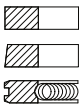


28.00
72.00





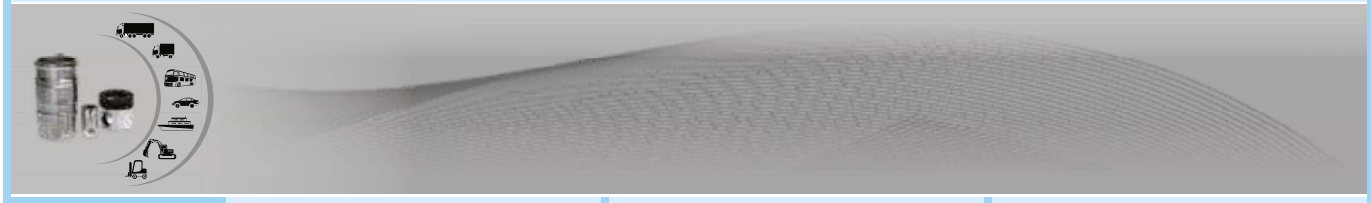
2.00
1.60
4.00







P 750 100 Std.
PR 750 100





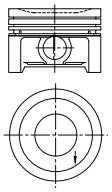
Motor M160 **01**
599 ccm, 33 - 40 kW,
(45 - 54 PS), 9,5:1
Vehicle Hub 63mm, injection, Turbo, LLK
Fortwo , 07.1998 - 01.2003
Motor M160
599 ccm, 45 kW, (61 PS), 9,5:1
Vehicle Hub 63mm, injection, Turbo, LLK
Fortwo , 09.2001 - 01.2003
Motor M160
599 ccm, 52 kW, (71 PS), 9,5:1
Vehicle Hub 63mm, injection, Turbo, LLK
Crossblade , 03.2002 - 12.2003

Motor OM 660 **02**
799 ccm, 30 kW, (41 PS), 18,5:1
Vehicle Hub 79 mm, Turbo, LLK,
Fortwo 12,1999 -



Ø63.50 mm.
63P02

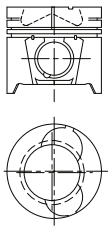
Cyl	27.00
3	-2.75
	43.95
KYA	26.75
	-2.75
	43.25



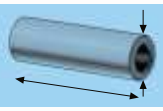
Combustion Bowl 50.50

Ø65.50 mm.
65P06

Cyl	36.00
3	-1.00
	-11.10
CSY	60.00
YPO	35.75
KYA	-1.00
	-11.10
	59.75



Combustion Bowl 38.70

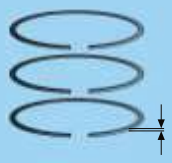


16.00
48.00

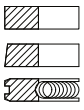


23.00
53.00

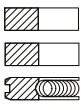




1.20
1.50
2.50



1.50
1.50
2.50



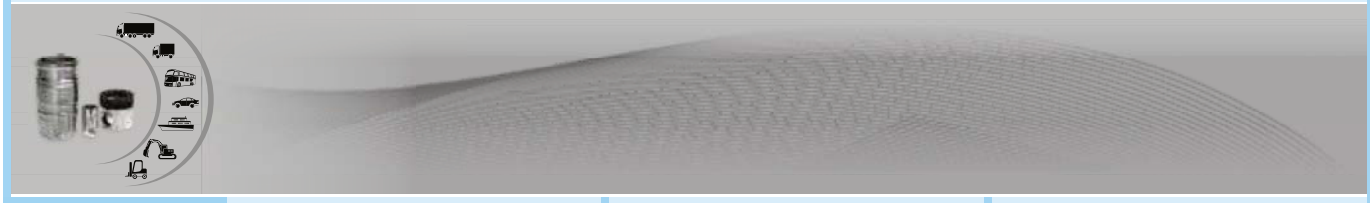




P 800 100 Std.
P 800 100 0.25
P 800 100 0.50
PR 800 100

P 800 105 Std.
P 800 105 0.50
PR 800 105

S
SMART



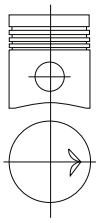


01	02	03
Motor WD 406 2660 ccm, 33 kW, (45 PS) **Vehicle** 288, 1962-1966	**Motor WD, 311.40/.41** 2590 ccm, 35 kW, (47.5 PS), 16.15:1 **Vehicle** Tractor 8060 **Motor WD, 411.41/.42** 3456 ccm, 43 kW, (58.5 PS), 16.15:1 **Vehicle** Tractor 8070 **Motor WD, 411.85/.86** 3456 ccm, 51.5 kW, (70 PS), 16.15:1 **Vehicle** Tractor 8080 **Motor WD, 611.40** 5184 ccm, 62.5 kW, (85 PS), 16.15:1 Vehicle Tractor 8100 **Motor WD, 611.85** 5184 ccm, 73 kW, (100 PS), 16.15:1 **Vehicle** Tractor 8120, 1979	**Motor WD, 308.40/.41/.45** 2356 ccm, 31-33-34.5 kW, (42-45-47 PS), **Vehicle** Tractor 540, 545, 548, **Motor WD, 408.40/.41/.42/.43** 3140 ccm, 38-40.4-44-46.3 kW, (52-55-60-63 PS), 16.15:1 **Vehicle** Tractor 650, 658, 760, 768, 1968-



Ø 92.00 mm.
92P10

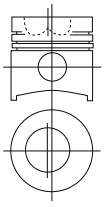
Cyl.	63.00
4	-0.80
	103.50



Ø 100.00 mm.
100P57

Cyl.	58.40
3/4/6	-20.05
	98.90

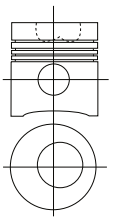
CSY



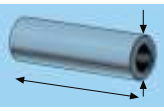
Combustion Bowl 54.60

Ø 100.00 mm.
100P58

Cyl.	63.40
3/4	-19.40
	103.90



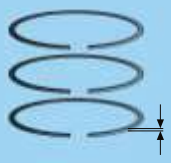
Combustion Bowl 53.75



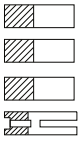
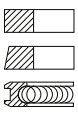
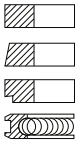
32.00	38.00	35.00
78.00	79.00	83.00





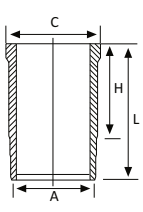


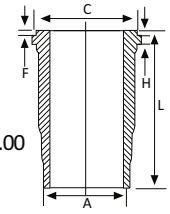
2.50	2.50 Cr	2.50 Cr
2.50	2.50	2.50
2.50	4.00 Cr	2.50
5.00		5.00 Cr

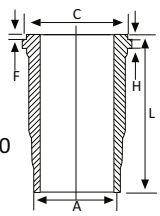






A = 106	A = 109.40	A = 109.40
C = 118	C = 118.00	C = 118
L = 200	L = 197.00	L = 197
H = 9	H+F=9.00+1.00	H+F=9.00+1.00



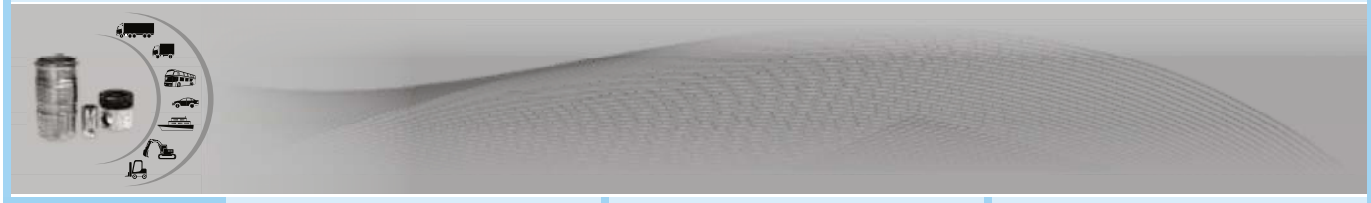






P 595 130 Std.	P 595 100 Std.	P 595 105 Std.
L 595 130	L 595 100	L 595 105
PR 595 130	PR 595 100	PR 595 105
K 595 130	K 595 100	K 595 105

S
STEYR





Motor WD, 311.40/.41 **04**
2590 ccm, 35 kW, (47.5 PS),
16.15:1
Vehicle Tractor 8060
Motor WD, 411.41/.42
3456 ccm, 43 kW, (58.5 PS),
16.15:1
Vehicle Tractor 8070
Motor WD, 411.85/.86
3456 ccm, 51.5 kW, (70 PS),
16.15:1
Vehicle Tractor 8080
Motor WD, 611.40
5184 ccm, 62.5 kW, (85 PS),
16.15:1
Vehicle Tractor 8100
Motor WD, 611.85
5184 ccm, 73 kW, (100 PS),
16.15:1
Vehicle Tractor 8120, 1979

dto., **05**

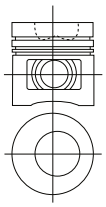
Motor WD 210.40 **06**
1991 ccm, 23.5 kW, (32 PS) 17:1
Vehicle Tractor 430 b,
Motor WD 410.40
3983 ccm, 51.5 kW, (70 PS) 17:1
Vehicle Tractor 870 a,
Motor WD 610, .00/.01/.13/.14/ .15/.16/.18/.19/.20/.23/.40/.42/ .43/.44/.50
5976 ccm, 81-88-97 kW, (110-120-132 PS) 66-84.5 kW, (90-110 PS), 17:1
Vehicle Baureihe 586, 590, 680, 690, 790, 890, 1970-1979
Tractor 1090, 1100, 1108, 1300, LKW 590, 690,



Ø 100.00 mm.
100P59

Cyl.	63.40
3/4	-19.40
	103.90

CSY

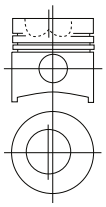


Combustion Bowl 53.50

Ø 100.00 mm.
100P60

Cyl.	58.40
3/4/6	-20.05
	98.90

CSY

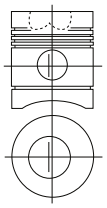


Combustion Bowl 55.00

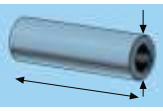
Ø 105.00 mm.
105P25

Cyl.	69.50
6	-24.25
	125.00

ESP



Combustion Bowl 54.50



35.00
82.50

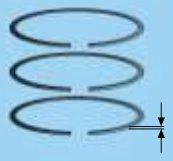


38.00
79.00

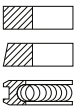


38.00
90.00

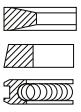




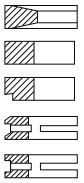
2.50 Cr
2.50
4.00 Cr



2.50 Cr
2.50
4.00 Cr

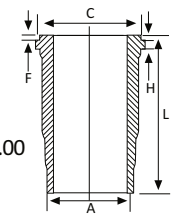


3.00 Cr
2.50
2.50
5.00
5.00

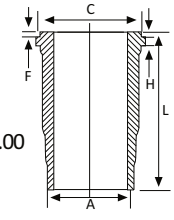




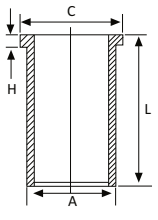
A = 109.40
C = 118.00
L = 197.00
H+F=9.00+1.00



A = 109.40
C = 118.00
L = 197.00
H+F=9.00+1.00



A = 110.00
C = 112.00
L = 222.00
H = 4.70



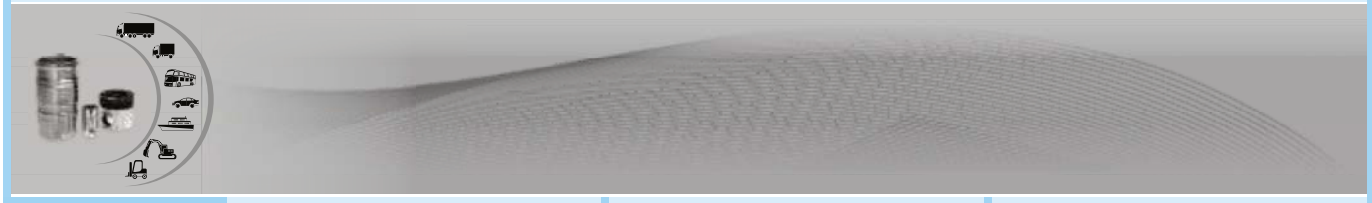


P 595 110 Std.
L 595 110
PR 595 110
K 595 110

P 595 125 Std.
L 595 125
PR 595 125
K 595 125

P 595 115 Std.
L 595 115
PR 595 115
K 595 115

S
STEYR





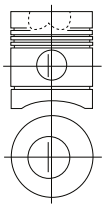
Motor WD 610, .60/.68/.69/.70/.72 **07**
5976 ccm, 110-125 kW,
(150-170 PS), 17:1
Vehicle Baureihe 790,890,1390
1970-1978

Diesel Motor WD 113 a, **08**
13 kW, (18 PS),
Diesel Motor WD 113 a,
1330 ccm,11-13 kW (15-18 PS), 21:1
Reihen Motor, Diesel WD 213
19 kW , (26 PS)
Reihenmotor, Diesel WD 213, a
22 kW , (30 PS)
Reihenmotor, Diesel WD 213, a-c-f-g,
2661ccm, 22-26 kW (30 / 35 PS) ,21:1
Reihenmotor, Diesel WD 313, a
3991 ccm, 34-41 kW(46-55 PS), 21:1
Reihenmotor, Diesel WD 413 t/u,
5322 ccm, 46-50 kW, (62-68 PS)



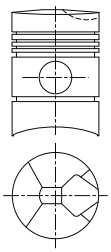
Ø 105.00 mm.
105P26

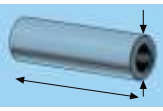
Cyl.	69.50
6	-24.25
	125.00
ESP	
CSY	



Ø 110.00 mm.
110P16

Cyl	80.00
1/2/3/4	+3.00
	-10.50
	155.00
ESP	
TÇP	



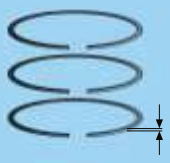


40.00
89.00

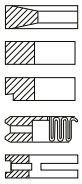


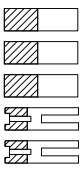
40.00
93.00





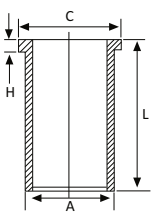
3.50 Cr	3.00
2.50 Mo	3.00
2.50	3.00
5.00 Cr	6.00
5.00	6.00



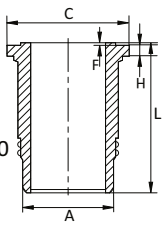




A = 110.00
C = 112.00
L = 222.00
H = 4.70



A = 127.00
C = 139.00
L = 258.00
H + F=11.00 + 3.20

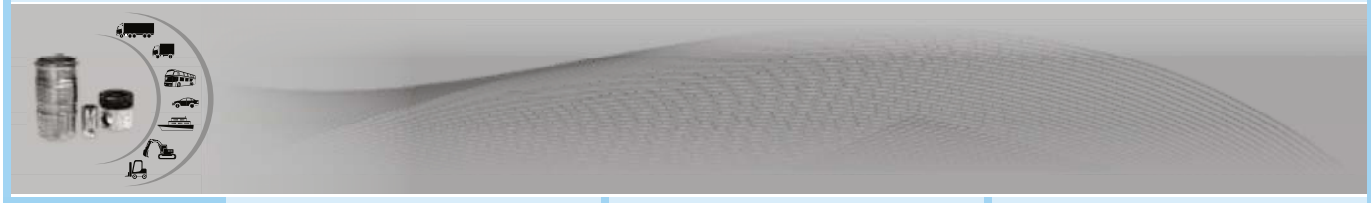


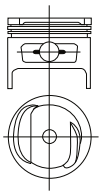
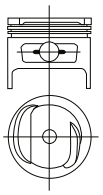
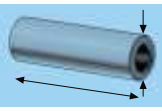
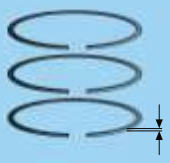
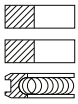
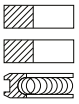


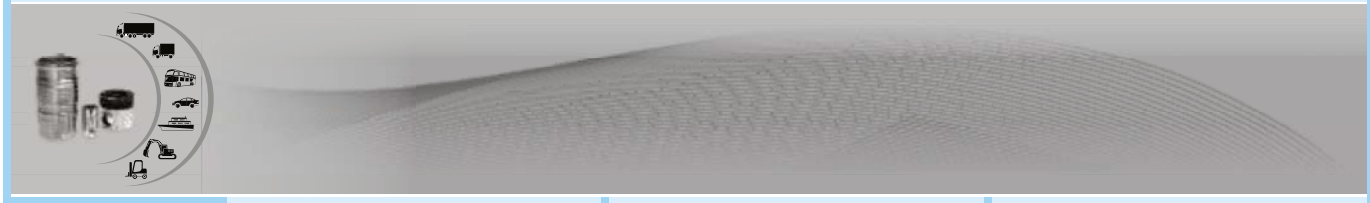
P 595 120 Std.
L 595 120
PR 595 120
K 595 120

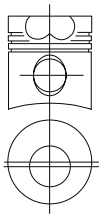
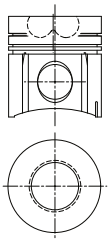
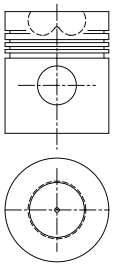
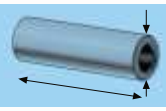
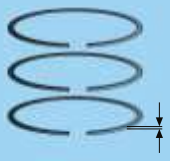
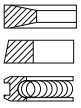
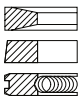
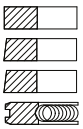
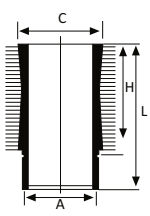
P 595 135 Std.
L 595 135
PR 595 135
K 595 135

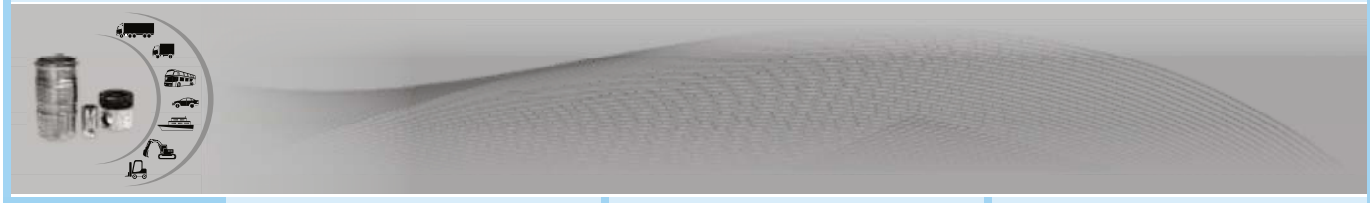
S
STEYR



	Motor 01	Motor 02	
			
	**Ø 65.00 mm.** 65P05 Cyl. 25.00 4 -4.00 -2.00 55.20 	**Ø 68.50 mm.** 68P04 Cyl. 25.00 4 -6.00 -4.50 3.00 55.20 	
	16.00 53.50 	16.00 53.50 	
	1.50 Cr 1.50 2.86 Cr 	1.50 Cr 1.50 Cr 2.86 Cr 	
			
	P 600 100 Std. P 600 100 0.50 P 600 100 1.00 PR 600 100	P 600 105 Std. P 600 105 0.50 P 600 105 1.00 PR 600 105	

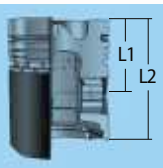


	01	02	03
	**Motor T - 3 - 928** 12660 ccm, 166 kW, (226 PS), **Motor T - 3 - 929** 15825 ccm, 208 kW, (283 PS), **Vehicle** Tatra 815, **Motor T - 3 - 930** 18990 ccm, 250 kW, (340 PS), 16.5:1 **Vehicle** Tatra 815, 06.1982-		
	**Ø 120.00 mm.** 120P13 Cyl. 8/10/12 85.00 -28.00 130.50 CSY YPO KMP  Combustion Bowl 61.10	**Ø 120.00 mm.** 120P14 Cyl 8/10/12 84.80 -27.60 130.30 CSY YPO  Combustion Bowl 61.20	**Ø 120.00 mm.** 120P15 Cyl 4/6 85.35 -26.15 140.85  Combustion Bowl 63.50
	45.00 102.00 	45.00 102.00 	45.00 102.00 
	3.50 Mo 3.00 5.00 Cr 	3.50 3.00 5.00 	3.50 3.50 3.50 6.00 
	A = 130.00 C = 139.95 L = 260.00 H = 185.00 		
	P 605 100 Std. L 605 100 PR 605 100 K 605 100	P 605 105 Std. PR 605 105	P 605 110 Std. PR 605 110



Motor Tavria **01**



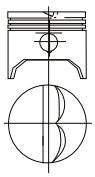


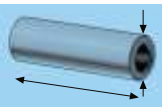
Ø 72.00 mm.
72P10

Cyl.	37.00 -7.50 67.60

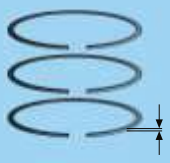


DSP

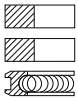








1.50 Cr
2.00
4.00

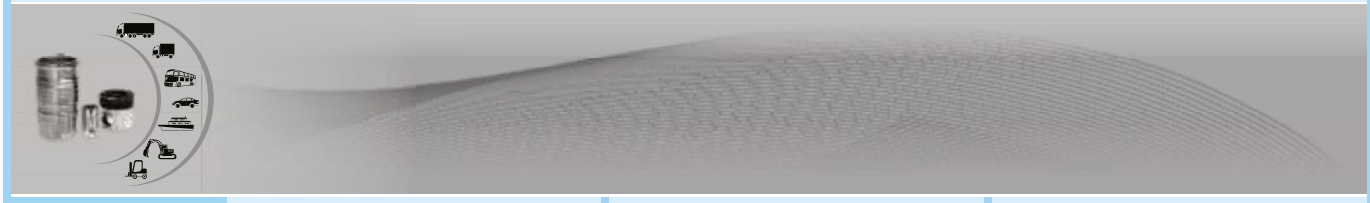






P 607 100 Std.
P 607 100 0.20
P 607 100 0.40
PR 607 100

T
TAVRIA

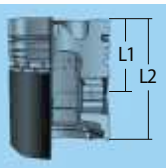




Motor 2 K, 4 PSC **01**
993 ccm, 33-36.5 kW-42.5kW, (45-50 PS DIN-58 PS SAE), 9:1
Vehicle Puplica 1000, KP 36 L, 1969-

Motor K, **02**
1077 ccm, 41 kW-44 kW,(56 PS DIN- 60 PS SAE), 9:1
Vehicle Corolla 1100, 1966-1969
Motor 3 K, 3 K-B, 3 K-BR, 3 K-D,
1166 ccm, 41-44-47 kW, (56-60-64 PS DIN),9-10:1
Vehicle Corolla 1200, Sprinter 1200, Starlet 1200 Coupe, Pupl›ca 1200, Hi de Luxe, 1967-1982
Motor 2 M,
2253 ccm, 84.5 kW, (115 PS SAE), 8.8:1
Vehicle Crown, 2300, 1969-1972

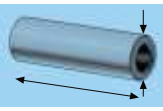
Motor 12 R, **03**
1587 ccm, 44-55 kW-64.5-68.5 kW, (60-75 PS DIN-88-93 PS SAE), 8.5-9:1
Vehicle Hiace 1600, H›-Lux, Corona 1600, RH 20 LV, RH 11 LV, RT 81-91, RY 10-12, RN 13-16, 1971-1974



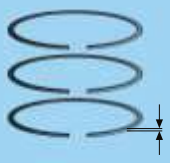




	Ø 72.00 mm. 72P11	**Ø 75.00 mm.** 75P13	**Ø 80.50 mm.** 80P24
Cyl.	36.00	36.00	39.00
4	72.00	4/6 75.00	4 80.00
	DSP	DSP	PSP



18.00	18.00	20.00
58.00	61.00	66.00



2.00 Cr	2.00 Cr	2.00 Cr
2.00	2.00	2.00
4.00 Cr	4.00 Cr	4.00 Cr

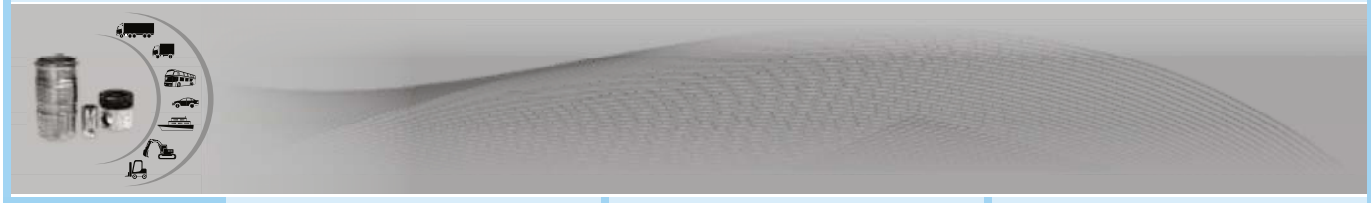




P 610 100 Std.	P 610 105 Std.	P 610 110 Std.
P 610 100 0.50	P 610 105 0.50	P 610 110 0.50
P 610 100 1.00	P 610 105 1.00	P 610 110 1.00
PR 610 100	P 610 105 1.50	P 610 110 1.50
	PR 610 105	PR 610 110

T

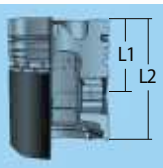
TOYOTA





Motor 5 R **04**
1994 ccm, 59 kW-81 kW,(80 PS DIN-110 PS SAE), 8.2-9:1
Vehicle Crown 2000, Dyna, Stout, 40-2FG20, 40-2FG25, 40-2FGC10, 40-2FGC15, 40-3FG10, 40-3FGC15, 40-3FGC29, 40-3FG25, 1968-1975

Motor Dyna 3400 (BU62), (BU64),(BU641),(BU72), (BU72D),(BU77),(BU82),(BU85),(BU85VH),(BU93) (BU98),Landcrusier 3400 (BJ71V),(BJ74V) **05**
3432 ccm, 4cyl
Vehicle 09.84 - 08.88 13B



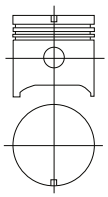




Ø 88.00 mm.
88P12

Cyl.	39.00
4	85.00

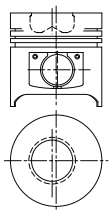
PSP



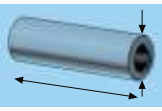
Ø 102.00 mm.
102P41

Cyl	63.35
4	-21.97
	104.36

CSY
PSP



Combustion Bowl 46.00

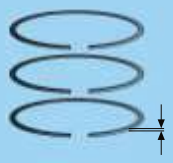


22.00
75.00

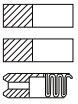


34.00
84.00

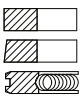




2.00 Cr
2.00
4.00 Cr

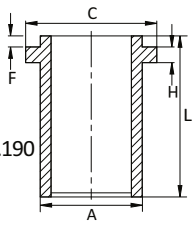


2.50
2.50
4.50





A = 106.00
C = 111.65
L = 190.260
H + F= 2.510 + 1.190



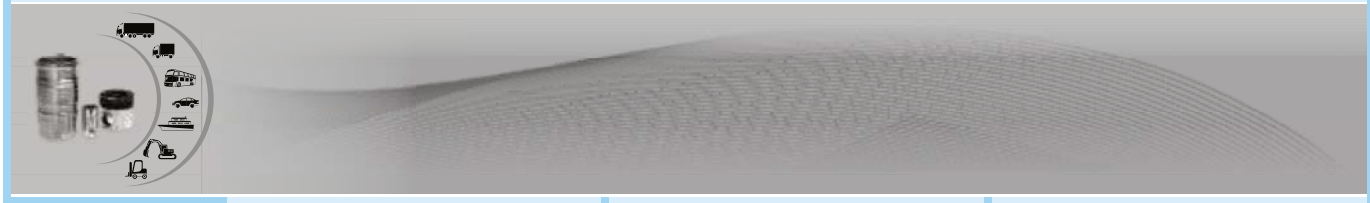


P 610 115 Std.
P 610 115 0.50
P 610 115 1.00
PR 610 115

P 610 120 Std.
L 610 120
PR 610 120
K 610 120

T

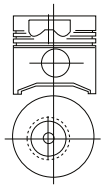
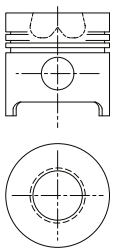
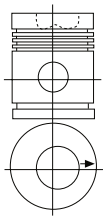
TOYOTA

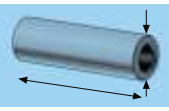




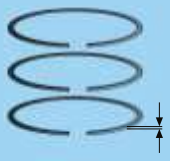
01	02	03
Motor D 115, 2340 ccm, 33 kW, (45 PS), 17:1 **Vehicle** Tractor 350, 360, 445, 455, 1970- **Motor D 121,** 3119 ccm, 40.5 kW, (55 PS), 17:1 Vehicle Tractor 460, 550, 1972-		**Motor D 113,** 4760 ccm, 36.7 kW, (50 PS), 17:1 **Vehicle** U 50, U 500, U 650,

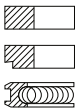
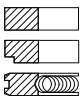
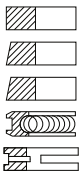


01	02	03
Ø 95.00 mm. 95P27 Cyl. 59.65 2/6 -23.50 101.10	**Ø 102.00 mm.** 102P42 Cyl 59.60 3/4/6 -24.50 101.10	**Ø 108.00 mm.** 108P14 Cyl. 87.00 4 -23.50 141.00
		
		ESP
Combustion Bowl 42.50	Combustion Bowl 48.55	Combustion Bowl 61.30

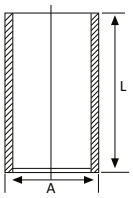
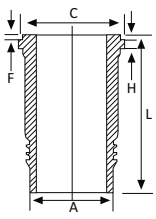


01	02	03
32.00 84.00 	32.00 84.00 	40.00 88.00 



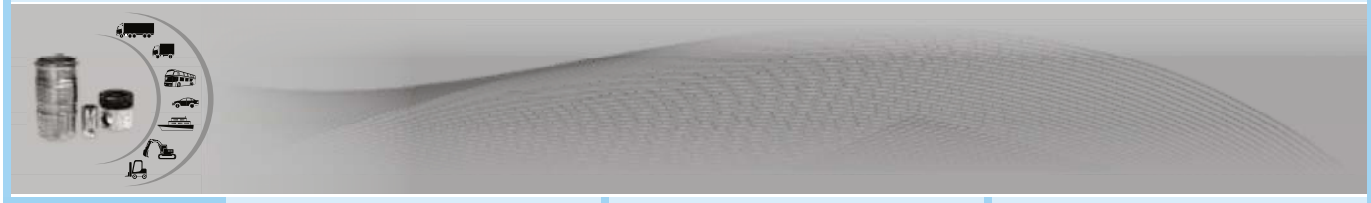
01	02	03
2.50 Cr 2.50 5.50 Cr 	2.50 2.50 5.00 	3.00 Cr 3.00 3.00 6.00 6.00 



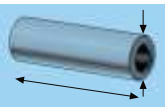
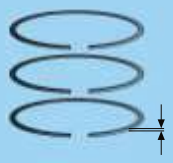
01	02	03
A = 99.00 L = 187.50 A = 99.50 L = 187.50 A = 100.00 L = 187.50 		A = 125.00 C = 132.00 L = 258.00 H+F=10.10+1.30 



01	02	03
P 615 100 Std. P 615 100 0.50 P 615 100 1.00 L 615 100 L 615 101 L 615 102 PR 615 100 K 615 100	P 615 110 Std. PR 615 110	P 615 105 Std. L 615 105 PR 615 105 K 615 105

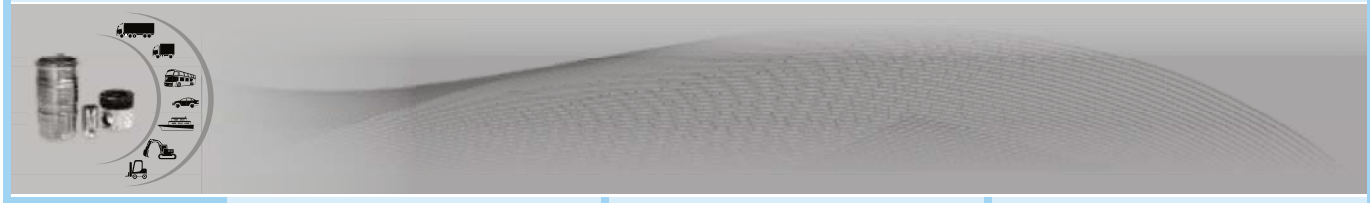




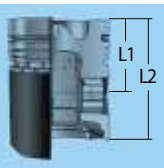
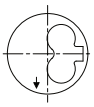
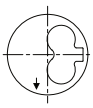
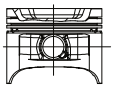
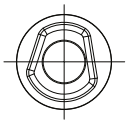
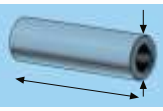
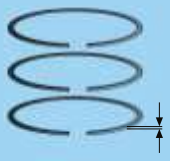
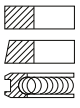
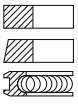
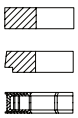
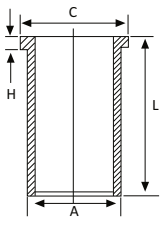
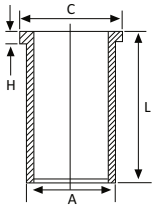
	01	02	03
	Motor 2 G, AAV 1272 ccm, 40 kW , (54-55 PS), 9:1 9.2:1 **Vehicle** 01-1991	**Motor 1.6 Ltr,** 1588 ccm, 37-40 kW, (50-54 PS), 22.5-23:1 **Vehicle** Golf D, Jetta D, Passad D, Santana D, Rabbit D, Quantum D, Transporter/Bus 245-247-251-253-255, 09.1980- **Indutrie-Motor 068.5** 1588 ccm, 35-36 kW, (47.5-49 PS), 1982 **Motor 2.4 Ltr,** 2383 ccm, 55 kW, (75 PS), 23:1 **Vehicle** LT 28/31/35/40/45/50 D, Allrad, 09.1978- **Indutrie-Motor 076.1** 2383 ccm, 52-56 kW, (71-76 PS), 09.1978-	**Motor 1.6 Ltr,** 1588 ccm, 51 kW, (70 PS), 23-23.5:1 **Vehicle** Golf Turbodiesel, Jetta Turbodiesel, Passat Turbodiesel, Santana Turbodiesel, Rabbit Turbodiesel (USA), Travnsporter Bus 245/ 247/251/253/255, 1982-
	**Ø75.01 mm.** 75P18 Cyl 42.87 4 -1.50 -1.65 -16.60 69.87 DSP 42.62 KYA -1.50 -1.65 -16.60 69.62	**Ø 76.51 mm.** 76P18 Cyl. 41.70 4/6 -1.60 71.70 41.45 71.70 PSP CSY KYA	**Ø 76.51 mm.** 76P19 Cyl. 41.70 4 -1.60 71.70 41.45 -1.60 71.70 PSP CSY YPO KYA
	20.00 57.00	24.00 64.00	24.00 64.00
	1.75 Cr 2.00 2.50 Cr	1.75 Cr 2.00 3 Cr	1.75 Cr 2.00 Cr 3.00 Cr
		A = 79.50 C = 81.50 L = 145.00 H+F= 4.70	A = 79.50 C = 81.50 L = 145.00 H = 4.70
	P 635 175 Std. P 635 175 0.50 P 635 175 0.75 P 635 175 1.00 PR 635 175	P 635 100 Std. P 635 100 0.25 P 635 100 0.50 P 635 100 1.00 L 635 100 PR 635 100 K 635 100	P 635 110 Std. P 635 110 0.25 P 635 110 0.50 P 635 110 1.00 L 635 110 PR 635 110 K 635 110

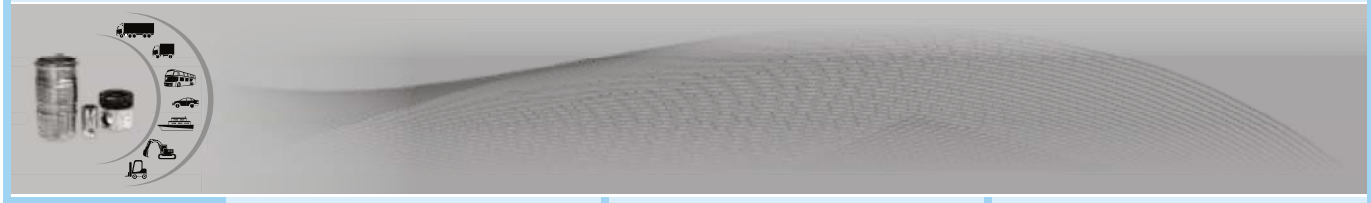
V

VOLKSWAGEN





	04	05	06
	Motor 2.4 Ltr, 2383 ccm, 75 kW, (102 PS), 23:1 **Vehicle** LT 28/31/25/40/45/50 Turbodiesel, 1983-	**Motor 1.5 Ltr,** 1471 ccm, 33-37 kW, (45-50 PS), 23.5:1 **Vehicle** Golf D, Passat D, Rabbit D, Dasher D,(USA) 09.1976-08.1980 **Industrie-Motor 068.2, 128** 1471 ccm, 32-33 kW, (43.5-46 PS), 1976-1981	**Motor AEA, AEE, AHS,ALM** 1598 ccm, 55 kW , (75 PS), 9.8:1 **Vehicle** Golf III, Polo, Vento 1994-1995 Caddy 1996-2000 Golf IV 1997
  	**Ø 76.51 mm.** 76P20 Cyl. 41.70 6 -1.60 71.70 41.45 -1.60 71.70 PSP CSY YPO KYA  	**Ø 76.51 mm.** 76P21 Cyl. 44.90 4 -1.80 76.90 PSP CSY  	**Ø76.51 mm.** 76P22 Cyl 30.85 4 -7.80 52.85 30.60 -7.55 52.60  
	24.00 64.00 	22.00 63.90 	17.00 52.00 
	1.75 2.00 Cr 3.00 Cr 	1.75 Cr 2.00 3.00 Cr 	1.20 Mo 1.50 2.50 Cr 
	A = 79.50 C = 81.50 L = 145.00 H+F=4.70 	A = 79.50 C = 81.50 L = 145.00 H = 4.70 	
	P 635 120 Std. P 635 120 0.25 P 635 120 0.50 P 635 120 1.00 L 635 120 PR 635 120 K 635 120	P 635 125 Std. P 635 125 0.25 P 635 125 0.50 P 635 125 1.00 L 635 125 PR 635 125 K 635 125	P 635 180 Std. P 635 180 0.25 P 635 180 0.50 P 635 180 0.75 PR 635 180

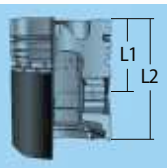




Motor AFH, AFK, AHW, AKQ , APE, AUA , AUB, AXP **07**
1390 ccm, 55-74 kW , (75-100 PS), 10.5:1
Vehicle Bora , Golf III, IV , Lupo, Polo , Caddy

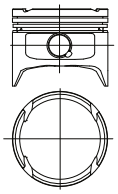
Motor 1.6 Ltr, **08**
1588 ccm, 37-40 kW, (50-54 PS), 22.5-23:1
Vehicle Golf D, Jetta D, Passad D, Santana D, Rabbit D, Quantum D, Transporter/Bus 245-247-251-253-255, 09.1980-
Indutrie-Motor 068.5
1588 ccm, 35-36 kW, (47.5-49 PS), 1982
Motor 2.4 Ltr,
2383 ccm, 55 kW, (75 PS), 23:1
Vehicle LT 28/31/35/40/45/50 D, Allrad, 09.1978-
Indutrie-Motor 076.1
2383 ccm, 52-56 kW, (71-76 PS), 09.1978-

dto., **09**



Ø76.51 mm.
76P23

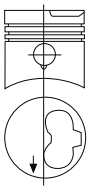
Cyl	
4	28.92
	-1.98
	-2.20
	-2.70
	58.50
KYA	
	28.67
	-1.98
	-2.20
	-2.70
	58.25



Combustion Bowl 62.00

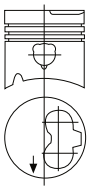
Ø 77.01 mm.
77P05

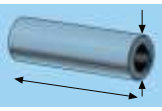
Cyl.	
4/6	41.45
	-1.60
	71.70
PSP	
CSY	



Ø 77.01 mm.
77P06

Cyl.	
4	41.70
	-1.60
	71.70
PSP	
CSY	
YPO	

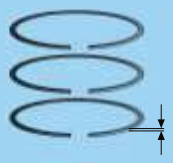




17.00		
52.00		

24.00		
64.00		

24.00		
64.00		



1.20 N		
1.50		
2.50		

1.75 Cr		
2.00		
3.00 Cr		

1.75 Cr		
2.00 Cr		
3.00 Cr		





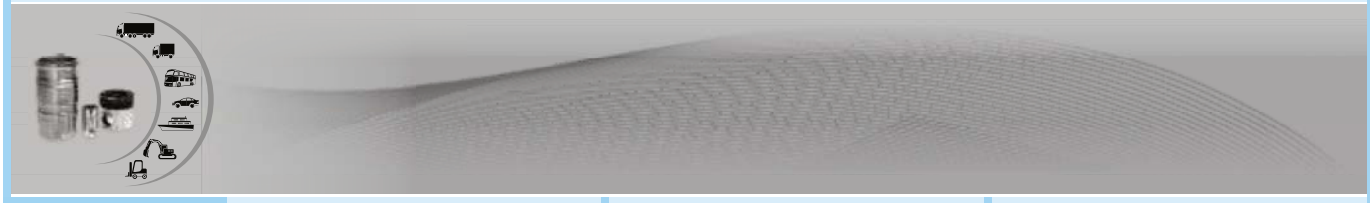
P 635 185 Std.
P 635 185 0.25
P 635 185 0.50
P 635 185 0.75
PR 635 185

P 635 105 Std.
P 635 105 0.50
PR 635 105

P 635 115 Std.
P 635 115 0.50
PR 635 115

V

VOLKSWAGEN





Motor 1.6 Ltr, **10**
1588 ccm, 81 kW, (110 PS),
9.5:1
Vehicle Golf GTI, Jetta GLI,
Scirocco GTI, Passat GLI, 1976-
1982

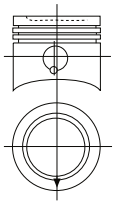
Motor 1X, **11**
1896 ccm, 44 kW, (60 PS), 22.5:1
Vehicle 09.1990-
Motor 1Y,
1896 ccm, 47 kW, (64 PS), 22.5:1
Vehicle 05.1989-
Motor AAB,
2370 ccm, 57 kW, (78 PS), 23:1
Vehicle 09.1990-
Motor AEF,
1896 ccm, 47 kW, (64 PS), 22.5:1
Vehicle 10.1994-

Motor AAZ. **12**
1896 ccm, 55 kW, (75 PS),
22.5:1
Vehicle 03.1991-
Motor ABL.
1896 ccm, 50 kW, (68 PS),
22.5:1
Vehicle 10.1992-



Ø 79.51 mm.
79P16

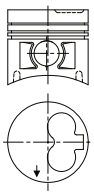
Cyl.	40.70
4	-8.30
	72.70
	40.40
	-8.30
	72.40
PSP	
KYA	



Combustion Bowl 60.00

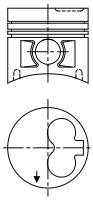
Ø 79.51 mm.
79P17

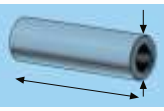
Cyl.	39.65
4/5	-1.90
	65.70
	39.40
	-1.90
	65.70
PSP	
CSY	
YPO	
KYA	



Ø 79.51 mm.
79P18

Cyl.	45.65
4	-1.90
	71.70
	45.40
	-1.90
	71.70
PSP	
CSY	
YPO	
KYA	
PAK	





22.00
63.00

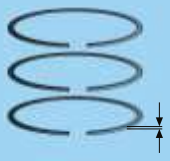


24.00
64.00

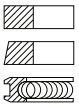


26.00
66.00

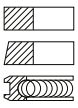




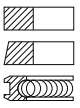
1.75 Mo
2.00
4.00 Cr



1.75 Cr
2.00 Cr
3.00 Cr

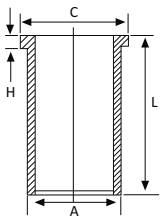


1.75 Cr
2.00 Cr
3.00 Cr





A = 82.50
C = 85.50
L = 152.00
H = 4.70

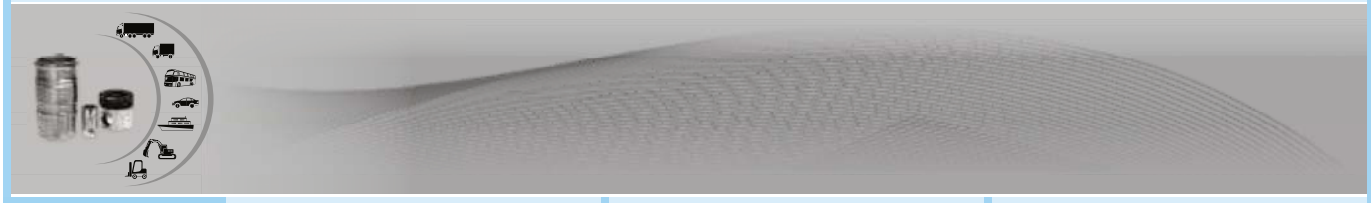




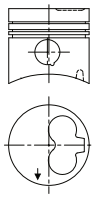
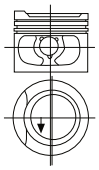
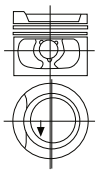
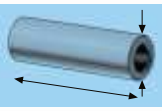
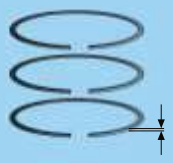
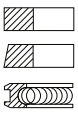
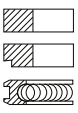
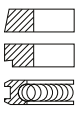
P 635 130 Std.
P 635 130 0.25
P 635 130 0.50
P 635 130 0.75
P 635 130 1.00
PR 635 130

P 635 160 Std.
P 635 160 0.25
P 635 160 0.50
P 635 160 1.00
PR 635 160

P 635 165 Std.
P 635 165 0.25
P 635 165 0.50
P 635 165 1.00
L 635 165
PR 635 165
K 635 165

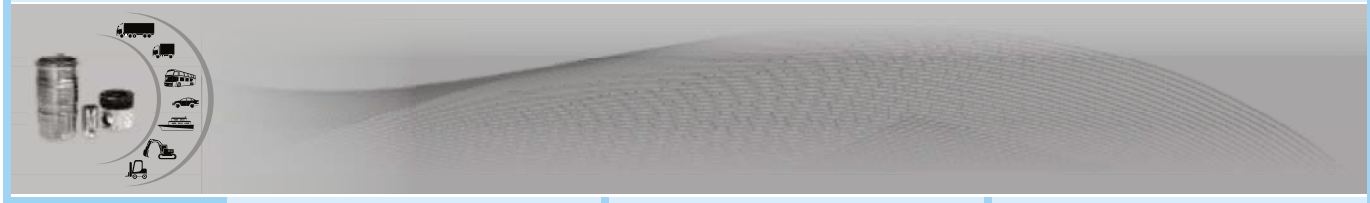




	13	14	15
	Diesel Motor 1.7 Ltr., 1715 ccm, 42 kW (57 PS), 23:1; 86.4 mm Hub **Vehicle** VW-Transporter/Caravelle, 10,1986-05.1992	**Motor 1.6 Ltr,** 1595 ccm, 55 kW, (75 PS), 9:1 **Motor 1.6 Ltr,** 1595 ccm, 51.5 kW, (70 PS), 9:1 **Vehicle** Golf, Jetta, Scirocco, Passat,Santana, 01.1983-	**Motor 1.8 Ltr,** 1781ccm, 82 kW, (112 PS), 10:1 **Motor 1.8 Ltr,** 1781ccm, 66-78.5 kW, (90-112 PS), 9-10:1 **Vehicle** Golf GTI, Jetta GLI, Scirocco GTI, Passat, 08.1982-1986
	**Ø 79.51 mm.** 79P19 Cyl. 41.70 4 -1.60 71.70 41.45 -1.60 71.70 PSP CSY YPO KYA 	**Ø 81.01 mm.** 81P11 Cyl. 35.60 4 +2.20 -2.30 66.80 35.30 +2.20 -2.30 66.50 PSP KYA TÇP 	**Ø 81.01 mm.** 81P12 Cyl. 32.20 4 +1.30 -4.40 62.50 31.90 +1.30 -4.40 62.20 PSP KYA TÇP 
	24.00 64.00 	20.00 57.00 	20.00 57.00 
	1.75 Cr 2.00 Cr 3.00 Cr 	1.50 Cr 1.75 3.00 Cr 	1.50 Cr 1.75 3.00 Cr 
			
	P 635 170 Std. P 635 170 0.25 P 635 170 0.50 P 635 170 1.00 PR 635 170	P 635 135 Std. P 635 135 0.25 P 635 135 0.50 PR 635 135	P 635 140 Std. P 635 140 0.25 P 635 140 0.50 PR 635 140

V

VOLKSWAGEN

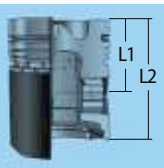




Motor 1.8 Ltr, **16**
1781 ccm, 67 kW, (91 PS SAE), 8.5:1
Vehicle Rabbit GTI, 1983-1986

Motor 2.0 Ltr, **17**
1994 ccm, 85 kW, (115 PS), 10:1
Vehicle Passat 5, Santana 5, 1983-1987

Motor AAA, AES, AGZ, AMY **18**
2324-2792 ccm, 110-128 kW , (150-174 PS), 10:1
Vehicle Corrado 1991-1995
Golf III 1992 - 1996
Golf IV 1997
Passat 1991-1996
Sharan 1995-1988
Vento 1992-1997
Bora 1998

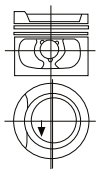






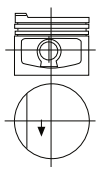
Ø 81.01 mm.
81P13

Cyl.	32.20
4	+1.30
	-8.10
	62.50
	31.90
PSP	+1.30
KYA	-8.10
TÇP	62.20



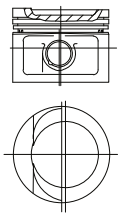
Ø 81.01 mm.
81P14

Cyl.	35.60
5	+2.20
	66.80
	35.30
PSP	+2.20
KYA	66.50
TÇP	

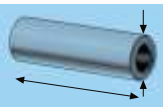


Ø81.01 mm.
81P15

Cyl	30.52
5/6	-6.22
	+4.26
	-4.81
	55.78
	30,27
DSP	
TÇP	
KYA	



Combustion Bowl 56.00



20.00
57.00

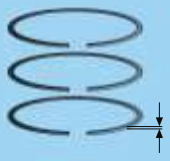


20.00
57.00

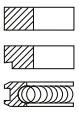


20.00
57.00

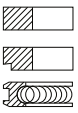




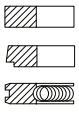
1.50 Cr
1.75
3.00 Cr



1.50 Mo
1.75
3.00 Cr



1.50 Mo
1.75
3.00 Cr



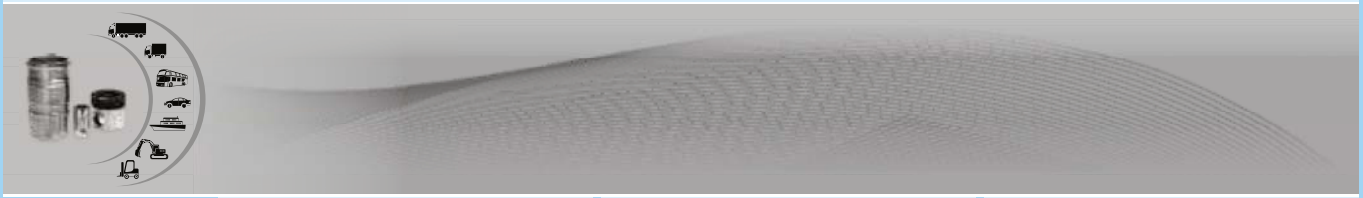




P 635 150 Std.
P 635 150 0.25
P 635 150 0.50
PR 635 150

P 635 155 Std.
P 635 155 0.25
P 635 155 0.50
PR 635 155

P 635 190 Std.
P 635 190 0.50
P 635 190 1.00
P 635 190 1.50
PR 635 190





Motor AAC **19**
1998 ccm, 62 kW , (84 PS), 8.5:1
AAF
2459 ccm, 81 kW , (110 PS), 8.5:1
Vehicle T4 1990
T4 Syncro 1992-1993

Motor 2 E, KAT, **20**
1984 ccm, 85 kW , (115 PS), 10.5:1
Vehicle 03.1990

Motor ABA, KAT,
1984 ccm, 85 kW , (115 PS), 10.4:1
Vehicle 03.1992

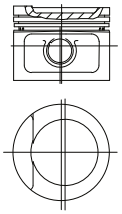
Motor ADY, KAT,
1984 ccm, 85 kW , (115 PS), 10.4:1
Vehicle 07.1994

Motor AGG, KAT,
1984 ccm, 85 kW , (115 PS), 10:1
Vehicle 07.1995



Ø81.01 mm.
81P16

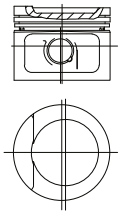
Cyl	38.35
4/5	+1.10
	-10.50
	63.45
TÇP	38.05
KYA	+1.10
	-10.50
	63.15

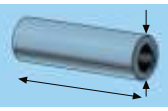


Combustion Bowl 61.70

Ø82.51 mm.
82P18

Cyl	30.90
4	-5.00
	+0.90
	63.80
DSP	30.60
TÇP	-5.00
KYA	+0.90
	63.50



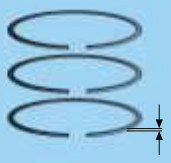


24.015
56.00

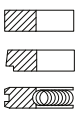


21.00
59.00

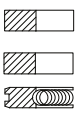




1.75 IF Cr Fe
2.00 P
3.00 Cr P



1.20
1.50
2.00 Cr

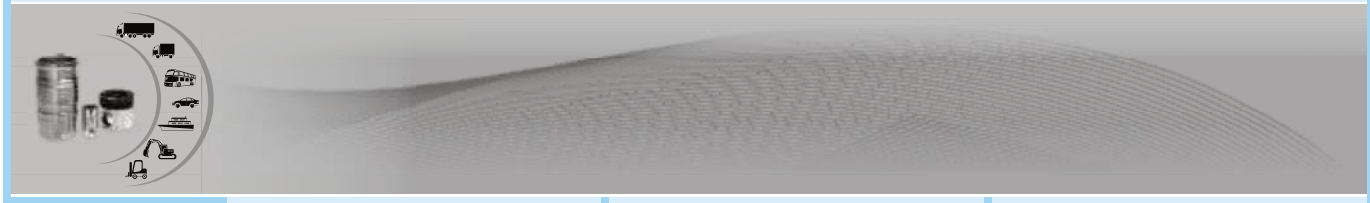






P 635 195 Std.
P 635 195 0.25
P 635 195 0.50
P 635 195 1.00
PR 635 195

P 635 200 Std.
P 635 200 0.50
P 635 200 1.00
PR 635 200





Motor D 24 **01**
2383 ccm, 60.5-56.5 kW,
(82-77 PS SEA), 23.5:1
Vehicle 240 D6, 244 D6, 245 D6,
740 D6, 760 D6, 01.1979-

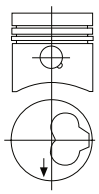
02

Motor D 50, A/B **03**
5100 ccm, 78.7-86 kW
(107-117 PS), 17:1
Vehicle Baureihe F 84, F 85, 1968-1974
Motor TD 50, A/B
5100 ccm, 108-121 kW,
(147-165 PS), 17:1
Vehicle Baureihe F 84, F 85, 1965-1975



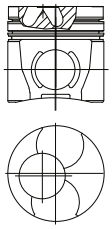
Ø 76.51 mm.
76P24

Cyl.	41.70
6	-1.60
	71.70
	41.45
	-1.60
	71.70
PSP	
CSY	
KYA	



Ø92.00 mm.
92P11

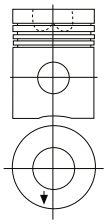
Cyl	66.60
6	-1.20
	-19.40
	101.60
CSY	
SKP	
PAK	



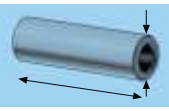
Combustion Bowl 39.5

Ø 95.25 mm.
95P31

Cyl.	79.40
6	-23.90
	124.40
CSY	



Combustion Bowl 50.00



24.00
64.00

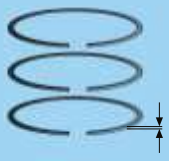


35.00
76.00

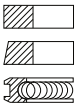


40.00
77.00

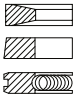




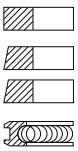
1.75 Cr
2.00
3.00 Cr



2.50 Mo
2.50
4.00 Cr

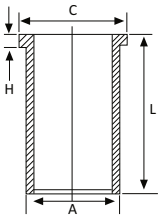


2.385 Cr
3.16
3.16
4.747 Cr

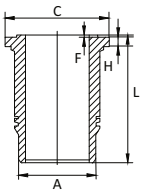




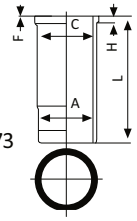
A = 79.50
C = 81.50
L = 145.00
H = 4.70



A = 105.00
C = 114.00
L = 180.80
H = 9.20
F = 0.60



A = 108.00
C = 117.10
L = 234.50
H + F=11.61+0.73

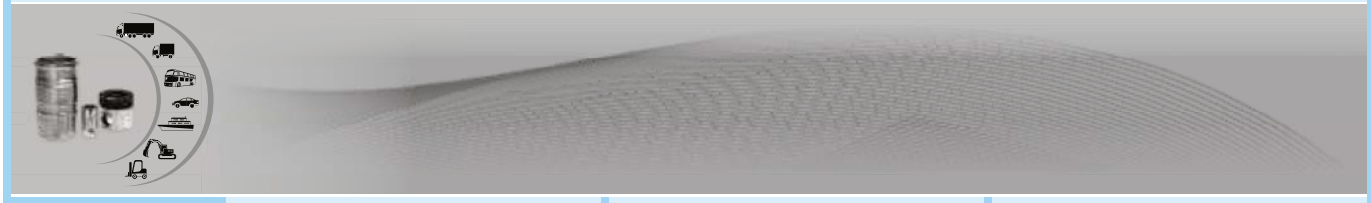




P 620 100 Std.
P 620 100 0.25
P 620 100 0.50
P 620 100 1.00
L 620 100
PR 620 100
K 620 100

P 620 310 Std.
L 620 310
PR 620 310
K 620 310

P 620 105 Std.
L 620 105
PR 620 105
K 620 105





Motor D 50, A/B **04**
5100 ccm, 78.7-86 kW, (107-117 PS), 17:1
Vehicle Baureihe F 84, F 85, 1968-1974
Motor TD 50, A/B
5100 ccm, 108-121 kW, (147-165 PS), 17:1
Vehicle Baureihe F 84, F 85, 1965-1975

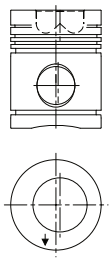
Motor B 230 A/K **05**
2316 ccm, 81-86 kW, (110-117 PS), 10.3:1
Vehicle 240, 740
Motor B 230 E,
2316 ccm, 96-98 kW, (131-133 PS), 10.3:1
Vehicle 240 GLE, 740 GLE, 760 GRE, 05.1984-

Motor B 230 F, **06**
2316 ccm, 83-90 kW, (113-122.5 PS), 9.5-9.8:1
Vehicle 240 GLE, 740 GLE, 760 GLE, 05.1984



Ø 95.25 mm.
95P32

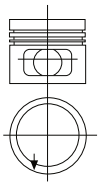
Cyl.	79.40
6	-24.20
	124.40
ESP	
CSY	



Combustion Bowl 50.00

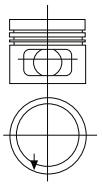
Ø 96.01 mm.
96P02

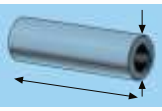
Cyl.	39.70
4	-0.60
	64.70
PSP	



Ø 96.01 mm.
96P03

Cyl.	39.70
4	-2.20
	64.70
	39.40
	64.40
PSP	
KYA	





40.00
77.00

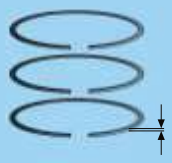


23.00
65.00

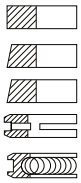


23.00
65.00

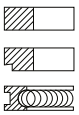




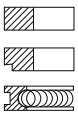
2.385
3.16
3.16
4.747
4.747



1.75 Cr
1.75
3.50

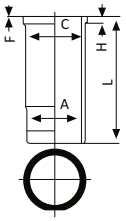


1.75 Cr
1.75
3.50





A = 108.00
C = 117.10
L = 234.50
H + F=11.61+0.73





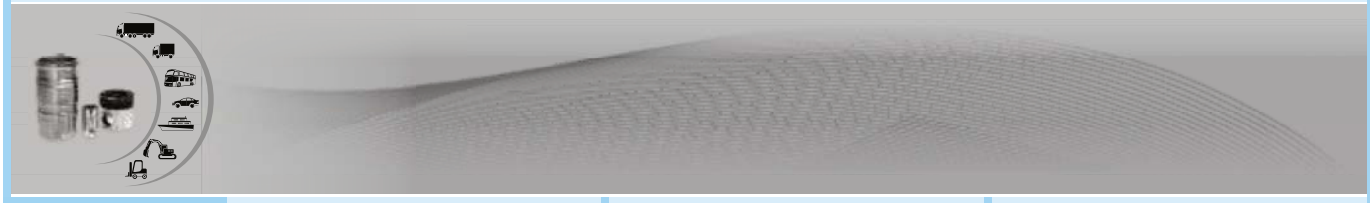
P 620 110 Std.
L 620 110
PR 620 110
K 620 110

P 620 115 Std.
P 620 115 0.30
P 620 115 0.60
PR 620 115

P 620 120 Std.
P 620 120 0.30
P 620 120 0.60
PR 620 120

V

VOLVO





Motor TD 60 A **07**
5480 ccm, 125-132 kW,
(170-180 PS), 16:1
Vehicle F 613, 1975-1978

Motor D 60, **08**
5480 ccm, 84.5-88 kW,
(115-120 PS), 17:1
Vehicle F 609, B 609, F 611,
Tractor 680, 846, 1975-

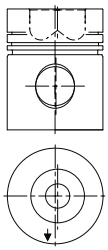
Motor TD 60 B, **09**
5480 ccm, 128-132 kW,
(174-180 PS), 16:1
Vehicle F 613, F 614, F 615,
F 616, F 617, 200 CH, B 6 FA, 1978-1985
Motor TD 60 C,
5480 ccm, 108 kW, (147 PS), 16:1
Vehicle F 610, F 611, F 612,1978-1985
Motor TD 61 G/GS,
5480 ccm, 112-132 kW, (152-180 PS),
16:1
Vehicle FL 610, FL 611, FL 613, FL 614,
1986-
Motor TD 61 F,
5480 ccm, 152 kW, (207 PS), 16:1
Vehicle FL 614, FL 616, 1986-



Ø 98.43 mm.
98P27

Cyl. 79.40
6 -23.80
124.40

CSY

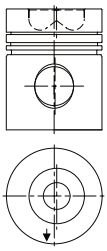


Combustion Bowl 54.00

Ø 98.43 mm.
98P28

Cyl. 79.40
6 -22.15
124.40

CSY

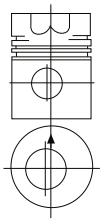


Combustion Bowl 57.00

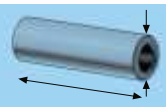
Ø 98.43 mm.
98P29

Cyl. 79.40
6 -21.80
124.40

CSY



Combustion Bowl 57.00



40.00
77.20

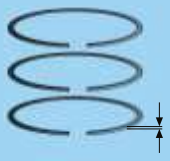


40.00
77.20

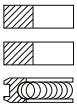


40.00
77.20

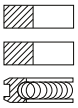




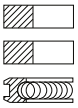
2.385 Cr
3.16 Cr
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr



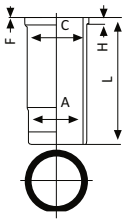
2.385 Cr
3.16 Cr
4.747 Cr



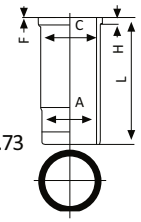


A = 110.00
C = 119.10
L = 234.50
H + F=11.61 + 0.73

A = 110.00
C = 119.10
L = 234.50
H + F=9.60 + 3.60

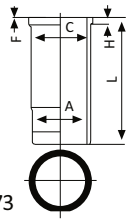


A = 110.00
C = 119.10
L = 234.50
H + F=11.61+0.73



A = 110.00
C = 119.10
L = 237.40
H + F=9.66+3.6

A = 110.00
C = 119.10
L = 234.50
H + F=11.61+0.73

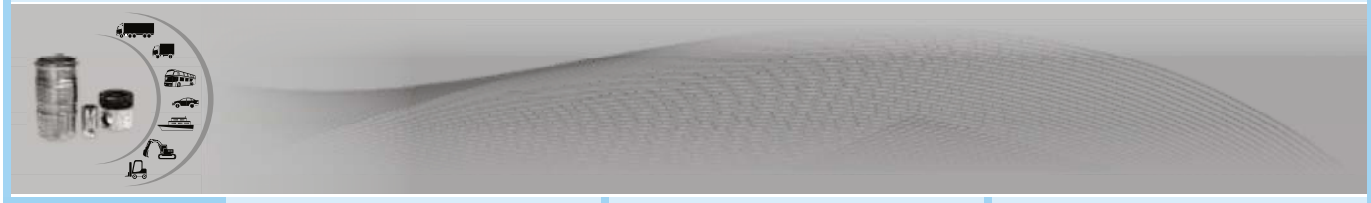




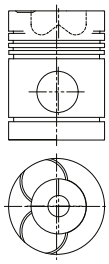
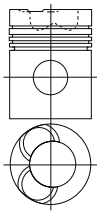
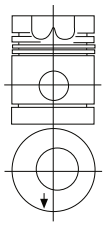
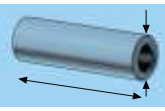
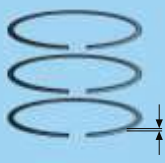
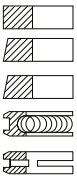
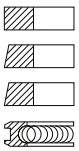
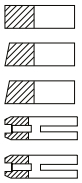
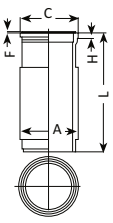
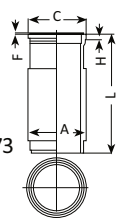
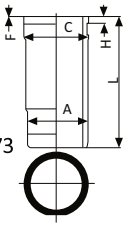
P 620 125 Std.
L 620 125
L 620 126
PR 620 125
K 620 125

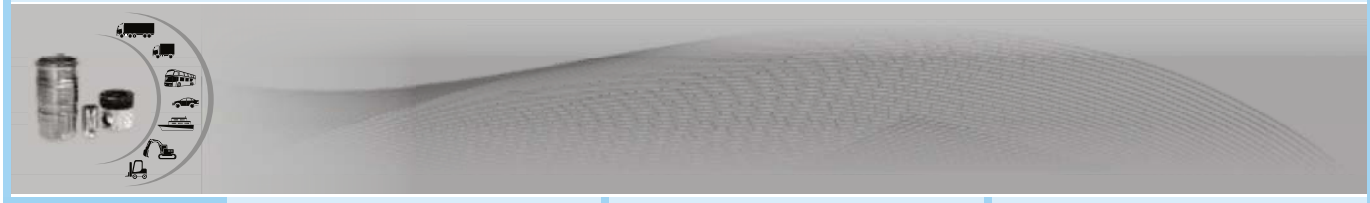
P 620 130 Std.
L 620 130
PR 620 130
K 620 130

P 620 135 Std.
L 620 135
L 620 136
PR 620 135
K 620 135





	Motor TD 70 A, **10** 6730 ccm 136 kw (185 PS), 15.5:1; 130 mm **Vehicle** F 86, 1965-70 **Motor TD 70 E,** 6730 ccm 152 kw (207 PS), 15.5:1; 130 mm **Vehicle** F 86, FB 86, N 7, 1971-75	**Motor TD 70 ES,** **11** 6700 ccm 165.5 kw (225 PS), 14.5:1; 130 mm **Vehicle** F 86, F 7, N 7, 1976-78	**Motor D 70, A/B, MD 70 B,** **12** 6730 ccm, 106-110 kW, (144-150 PS), 17:1 **Vehicle** N 86, F 86, 1965-1975
	**Ø 104.77 mm.** 104P19 Cyl. 6 88.45 -26.20 141.05 -1.17 CSY ESP KMP  Combustion Bowl 60.00	**Ø 104.77 mm.** 104P20 Cyl. 6 88.45 -1.00 -26.20 141.05 CSY KMP  Combustion Bowl 60.00	**Ø 104.775 mm.** 104P22 Cyl. 6 88.45 -26.70 141.05 ESP CSY  Combustion Bowl 55.00
	45.00 85.00 	45.00 85.00 	45.00 85.00 
	2.385 Cr 3.16 3.16 4.747 Cr 4.747 	2.385 Cr 3.16 3.16 4.747 Cr 	2.385 Cr 3.16 3.16 4.747 4.747 
	A = 117.00 C = 127.00 L = 257.00 H + F=11.66+0.73 	A = 117.00 C = 127.00 L = 257.00 H + F=11.66+0.73 	A = 117.00 C = 127.00 L = 257.00 H + F=11.66+0.73 
	P 620 260 Std. L 620 260 PR 620 260 K 620 260	P 620 275 Std. L 620 275 PR 620 275 K 620 275	P 620 140 Std. L 620 140 PR 620 140 K 620 140





Motor TD 70 A **13**
6730 ccm, 136 kW, (185 PS), 15.5:1
Vehicle F 86, 1965-1970
Motor TD 70 B
6730 ccm, 152 kW, (207 PS), 15.5:1
Vehicle F 86, FB 86, N 7, 1971-1975

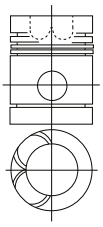
Motor TD 70 ES, **14**
6700 ccm, 165.5 kW, (225 PS), 14.5:1
Vehicle F 86, F 7, N 7, 1976- 08.1978

Motor TD 71 G/F/FS **15**
6720 ccm, 165-180 kW, (224.5-245 PS),15:1
Vehicle F 7, B 57, 1985-



Ø 104.775 mm.
104P23

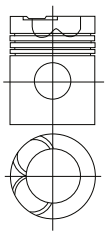
Cyl.	88.45
6	-1.00
	-26.20
	141.05
ESP	
CSY	



Combustion Bowl 60.00

Ø 104.775 mm.
104P24

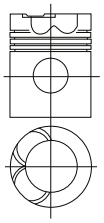
Cyl.	88.45
6	-1.00
	-26.20
	141.05
CSY	



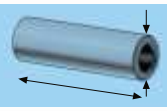
Combustion Bowl 60.00

Ø 104.775 mm.
104P25

Cyl.	88.45
6	-1.00
	-20.95
	141.00
CSY	



Combustion Bowl 64.90



45.00
85.00

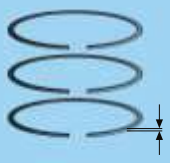


45.00
85.00

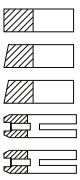


45.00
85.00

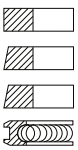




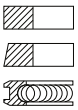
2.385 Cr
3.16
3.16
4.747
4.747



2.385 Cr
3.16
3.16
4.747 Cr

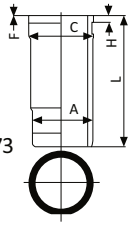


2.385 Cr
3.16
4.747 Cr

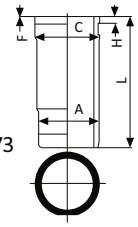




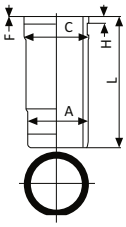
A = 117.00
C = 127.00
L = 257.00
H + F=11.66+0.73



A = 117.00
C = 127.00
L = 257.00
H + F=11.66+0.73



A = 117.00
C = 127.00
L = 259.00
H + F=9.63+3.52

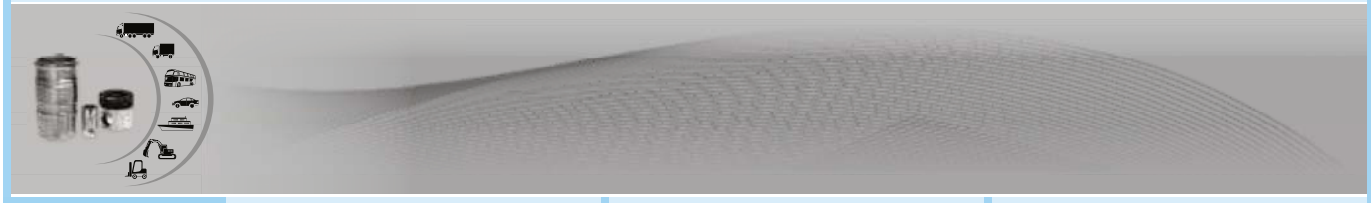




P 620 145 Std.
L 620 145
PR 620 145
K 620 145

P 620 150 Std.
L 620 150
PR 620 150
K 620 150

P 620 195 Std.
L 620 195
PR 620 195
K 620 195





Motor D 70, A/B, MD 70 B, **16**
6730 ccm, 106-110 kW,
(144-150 PS), 17:1
Vehicle N 86, F 86, 1965-1975

Motor B 7. R **17**
6700 ccm, 210 kW, (285 PS), 18:1
Vehicle Bus 1995-
Motor D 7. A
6700 ccm, 210 kW, (285 PS), 18:1
Vehicle FL 7, FL 290 1995
Motor D 7. B
6700 ccm, 210kW(285 PS), 18:1
Vehicle FL 7, FL 290

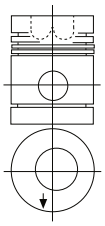
Motor TD 73.E, K, VE **18**
6700 ccm, 169 kW, (230 PS), 17,6:1
Vehicle FS 7-34, FS 7-54
Motor TD 73.ES
6700 ccm, 191 kW, (260 PS), 17,6:1
Vehicle FS 7,-34, FS 7-54, FS 7-38, FL 7-38, FL 7-52 FS 7-52
Motor TWD 730
6700 ccm,
Vehicle Einbaumotor



Ø 104.775 mm.
104P26

Cyl. 88.45
6 -26.20
141.05

ESP
CSY

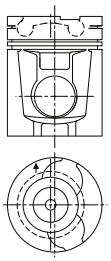


Combustion Bowl 60.00

Ø 104.775 mm.
104P27

Cyl 88.45
6 -2,15
-3,15
-20.20
132.55

CSY
KMP

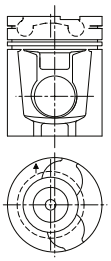


Combustion Bowl 61.00

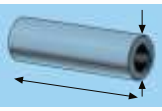
Ø 104.775 mm.
104P28

Cyl 88.45
6 -3,05
-2,05
-20.10
132.45

CSY



Combustion Bowl 61.00



45.00
85.00

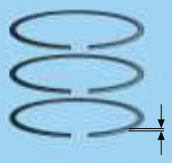


45.00
82.00

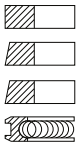


45.00
82.00

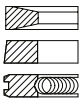




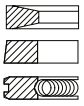
2.385 Cr
3.16
3.16
4.747 Cr
4.747



3.50
2.50
3.50

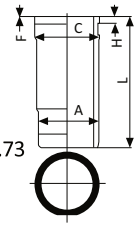


3.00
2.50
4.00



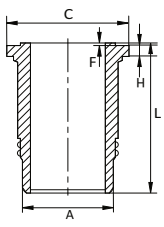


A = 117.00
C = 127.00
L = 257.00
H + F=11.66+0.73



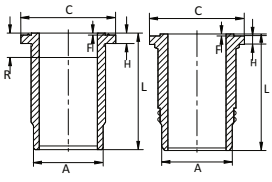
A = 117.00
C = 129.40
H = 9.40
F = 0.95
L = 256.80

A = 117.00
C = 127.00
H = 9.40
F = 0.95
L = 256.80



A = 117.00
C = 127.00
H = 9.66
F = 3.60
L = 259.70
R= 12.00

A = 117.00
C = 129.40
H = 9.40
F = 0.95
L = 256.80





P 620 225 Std.
L 620 225
PR 620 225
K 620 225

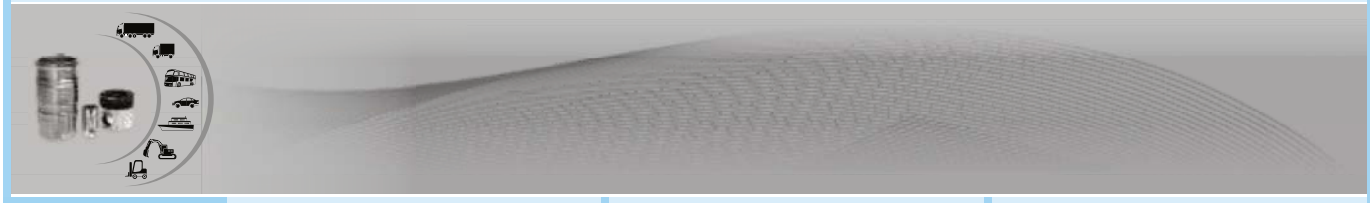
P 620 285 Std.
L 620 285
PR 620 285
K 620 285

L 620 286

P 620 290 Std.
L 620 290
PR 620 290
K 620 290

L 620 291

V
VOLVO

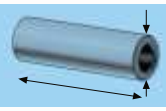




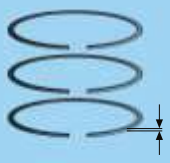
Diesel Motor **19**	**Motor D 100 A/B, MD 100 B,HD 100A 9600 ccm, 122-147 kW, 136-154.5** kW, (166-200 PS DIN, 185-210 PS SAE) **Vehicle** N 88, F 88, LN 88, LF 88, 1965- **Motor THD 100 A, TMD 100 A,** 9600 ccm, 169 kW, (230 PS), 17:1 **Vehicle** B 58, B 59, 1969-1974 **20**	**Motor THD 100 D/EB, THD 101 G/GC** 9599 ccm, 160-180-203 kW, (217-245-276 PS), 15:1 **Vehicle** B 10, 400 CH, 1982- **Motor THD 101 KB/KC,** 9599 ccm, 210-228 kW, (285-310 PS), 15:1 **Vehicle** B 10, C 10, 1984- **21**



Ø 120.00 mm. 120P16	**Ø 120.65 mm.** 120P22	**Ø 120.65 mm.** 120P23
Cyl 6	Cyl. 6	Cyl. 6
85.35 -15.00 130.00	109.45 -1.00 -29.15 166.45	109.45 -1.95 -22.20 166.45
CSY SKP YPO	CSY	CSY KMP
Combustion Bowl 78.00	Combustion Bowl 71.00	Combustion Bowl 74.00



54.00 96.00	52.00 106.00	52.00 106.00



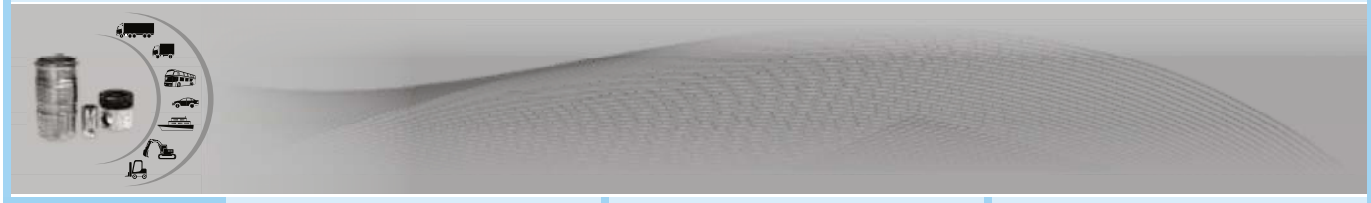
4.00 3.00 3.00	2.385 Cr 3.16 3.16 4.747 Cr	2.385 Cr 3.16 4.747 Cr



A = 139.00 C = 149.00 L = 249.50 H + F=11.20 + 1.00	A = 134.00 C = 147.00 L = 294.00 H + F=11.74+0.8	A = 134.00 C = 147.00 L = 296.50 H + F=11.52+3.50



P 620 300 Std. L 620 300 PR 620 300 K 620 300	P 620 155 Std. L 620 155 PR 620 155 K 620 155	P 620 200 Std. L 620 200 PR 620 200 K 620 200





Motor TD 100 F/G, TD 101 G **22**
9599 ccm, 200-220 kW, (272-299 PS), 14.3:1
Vehicle F 10, N 10, 1981-1986
Motor TD 101 F/FA/FD,
9599 ccm, 220 kW, (299 PS), 14.3:1
Vehicle F 10, Intercooler, 1983-1986

Motor TD 100 B/BG **23**
9600 ccm, 191-207-220 kW, (260-299 PS), 12.5-15:1
Vehicle F 10, N 10, F 88, FB 88, 1976-1980

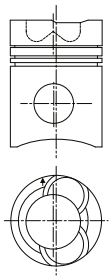
Motor TD 100 A **24**
9600 ccm, 191 kW, (260 PS), 15:1
Vehicle N 88, F 88, NB 88, FB 88, N10, 1965-1975
Motor THD 100 D,
9600 ccm, 169-178-191 kW, (230-242-260 PS), 15-17:1
Vehicle B 10, B 58, B 59, 300 CH, 400 CH 1975-1982



Ø 120.65 mm.
120P24

Cyl.	109.40
6	-1.90
	-23.15
	166.40

CSY

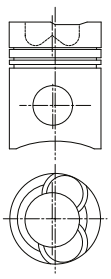


Combustion Bowl 76.00

Ø 120.65 mm.
120P25

Cyl.	109.40
6	-2.90
	-28.00
	166.40

CSY

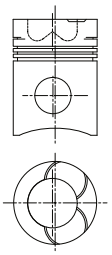


Combustion Bowl 76.00

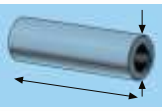
Ø 120.65 mm.
120P26

Cyl.	109.45
6	-1.00
	-1.30
	-27.65
	166.45

CSY



Combustion Bowl 71.00



52.00
106.00

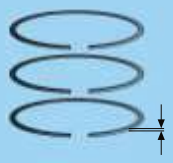


52.00
106.00

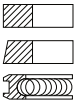


52.00
106.00

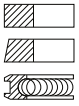




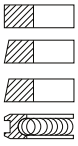
2.385 Cr
3.16
4.747 Cr



2.385 Cr
3.16
4.747 Cr

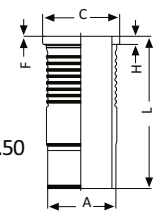


2.385 Cr
3.16
3.16
4.747 Cr



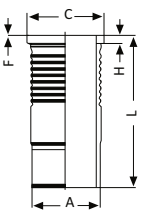


A = 134.00
C = 147.00
L = 296.50
H + F=11.52+3.50

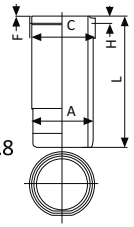


A = 134.00
C = 147.00
L = 296.50
H + F=11.52+3.50

A = 134.00
C = 147.00
L = 294.00
H + F=11.74+0.8



A = 134.00
C = 147.00
L = 294.00
H + F=11.74+0.8



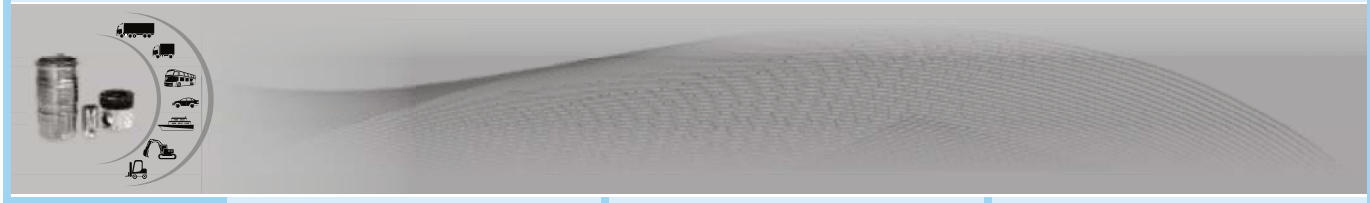


P 620 205 Std.
L 620 205
PR 620 205
K 620 205

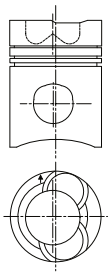
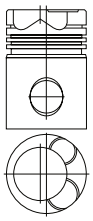
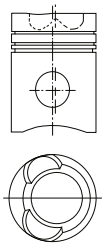
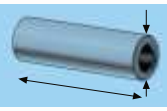
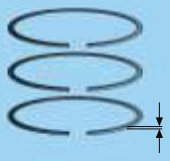
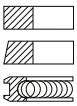
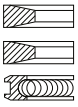
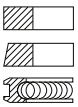
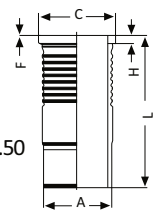
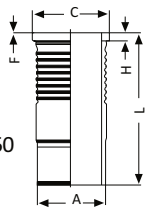
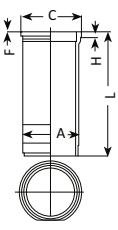
P 620 210 Std.
L 620 210
L 620 211
PR 620 210
K 620 210

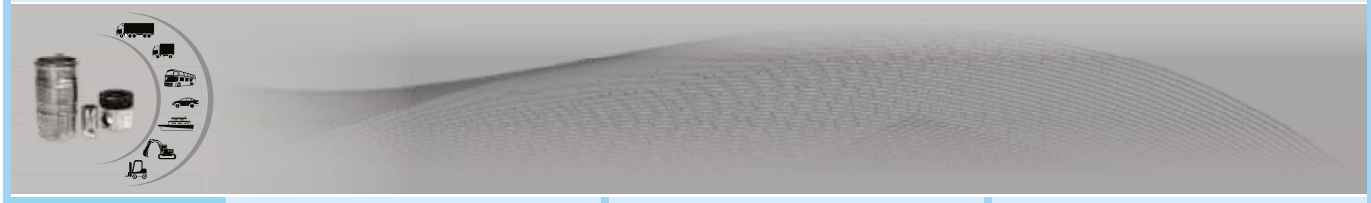
P 620 215 Std.
L 620 215
PR 620 215
K 620 215

V
VOLVO





	25	26	27
	Motor TD 100 B/BG 9600 ccm, 191-207-220 kW, (260-299 PS), 12.5-15:1 **Vehicle** F 10, N 10, F 88, FB 88, 1976-1980 **Motor THD 100 D/EB,**		**Motor TD 122 F (USA)** 12000 ccm 272 kw (370 PS) 16:1; **Motor TD 122 FH** 12000 ccm 272 kw (370 PS) 16:1; **Motor TD 122 FL** 12000 ccm 272 kw (370 PS) 16:1;
	**Ø 120.65 mm.** 120P27 Cyl. 109.45 6 -1.95 -22.20 166.45 CSY  Combustion Bowl 74.00	**Ø 120.65 mm.** 120P28 Cyl. 109.45 6 -2.15 -24.20 155.55 CSY  Combustion Bowl 76.00	**Ø 130.17 mm.** 130P18 Cyl. 114.20 6 -2.60 -24.12 175.20 CSY  Combustion Bowl 79.00
	52.00 106.00 	52.00 106.00 	55.00 114.00 
	2.385 Cr 3.16 4.747 Cr 	3.50 Cr 3.50 4.74 	2.39 Mo 3.16 Cr 4.75 Cr 
	A = 134.00 C = 147.00 L = 296.50 H + F=11.52+3.50 	A = 134.00 C = 147.00 L = 296.50 H + F=11.52+3.50 	A = 143.90 C = 157.60 L = 311.00 H + F=10.52+0.7 
	P 620 220 Std. L 620 220 PR 620 220 K 620 220	P 620 265 Std. L 620 265 PR 620 265 K 620 265	P 620 280 Std. L 620 280 PR 620 280 K 620 280





Motor D 120 D **28**
12000 ccm, 176.5 kW, (240 PS), 17:1
Vehicle F 88, F 89, 1970-

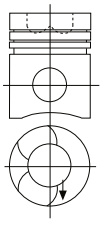
Motor TD 120 A **29**
12000 ccm, 243 kW,
(330 PS DIN), 15:1
Vehicle F 89, N 12, 1970- 1975
Motor TD 120 A, TMD 120 A
12000 ccm, 225-243 kW, (306-330 PS), 15:1
Vehicle H 12, CH 230, 1977-1981

Motor TD 120 C/D/E, TAMD 120 D, **30**
12000 ccm, 225-273 kW,
(306-371 PS), 13.3:1
Vehicle F 12, 230 CH, 1977-1981



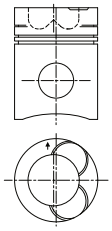
Ø 130.175 mm.
130P21

Cyl.	114.20
6	-1.00
	-1.10
	-31.74
	175.20
CSY	



Ø 130.175 mm.
130P22

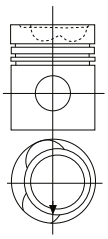
Cyl.	114.20
6	-1.90
	-2.10
	-31.55
	175.20
CSY	
YPO	



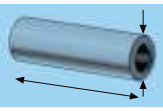
Combustion Bowl 75.00

Ø 130.175 mm.
130P23

Cyl.	114.20
6	-2.60
	-27.10
	175.20
CSY	



Combustion Bowl 83.00



55.00
114.00

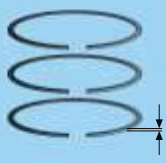


55.00
114.00

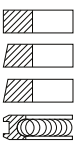


55.00
114.00

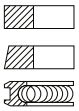




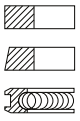
2.385 Cr
3.16
3.16
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr

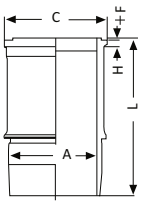


2.385 Cr
3.16 Cr
4.747 Cr

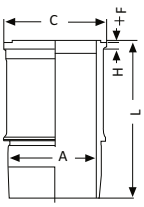




A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.7

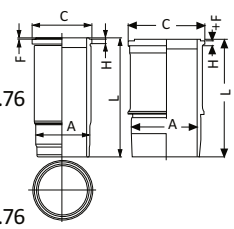


A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76



A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.76

A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76





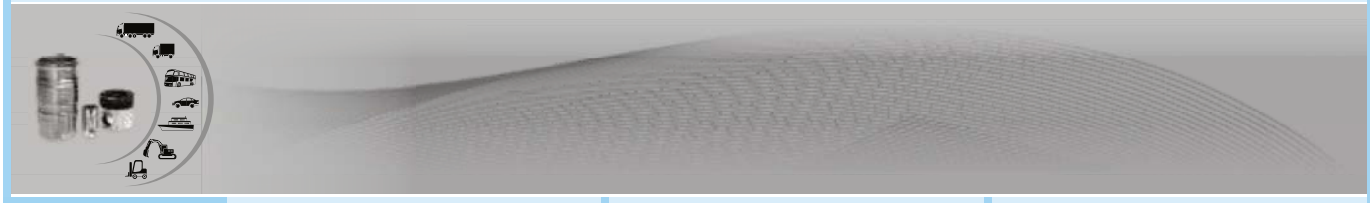
P 620 160 Std.
L 620 160
PR 620 160
K 620 160

P 620 165 Std.
L 620 165
PR 620 165
K 620 165

P 620 170 Std.
L 620 170
L 620 171
PR 620 170
K 620 170

V

VOLVO





Motor TD 120 G, **31**
12000 ccm, 225-227-243 kW,
(306-308-330 PS), 14.2:1
Vehicle F 12, N 10, N 12, CH 230,
10.1980-06.1986
Motor TD 120 F, TD 121 F
12000 ccm, 265-283 kW, (360-385 PS),
14.2:1
Vehicle F 12 Intercooler, CH 230,
10.1979-1988

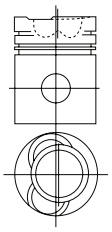
Motor TD 121 G/GD **32**
12000 ccm, 243 kW, (330 PS),14.2:1
Vehicle F 12, N 12, 07.1986-

Motor TD 122 F **33**
12000 ccm, 262 kW,
(356 PS DIN), 15:1
Vehicle F 12, 1987-
Motor TD 122 FS,
12000 ccm, 291 kW, (395 PS), 15:1
Vehicle FS 10/FS 12, Intercooler,1987-



Ø 130.175 mm.
130P24

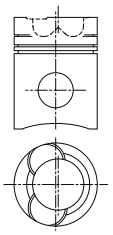
Cyl.	114.20
6	-2.60
	-27.90
	175.20
CSY	



Combustion Bowl 79.00

Ø 130.175 mm.
130P25

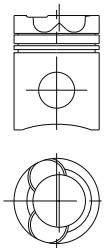
Cyl.	114.20
6	-2.60
	-27.90
	175.20
CSY	



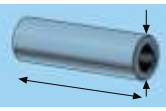
Combustion Bowl 79.00

Ø 130.175 mm.
130P26

Cyl.	114.20
6	-2.60
	-25.40
	175.20
CSY	



Combustion Bowl 79.00



55.00
114.00

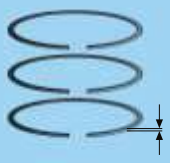


55.00
114.00

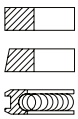


55.00
114.00

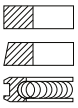




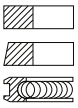
2.385 Cr
3.15 Cr
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr

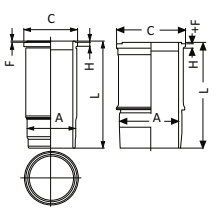




A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76

A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.7

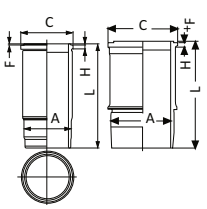
A = 143.90
C = 157.60
L = 311.00
H + F=10.52+3.30



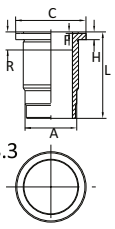
A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.7

A = 143.90
C = 157.60
L = 313.00
H + F=10.52+3.3

A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76



A = 143.90
C = 157.60
L = 313.00
H + F=10.52+3.3
R = 18



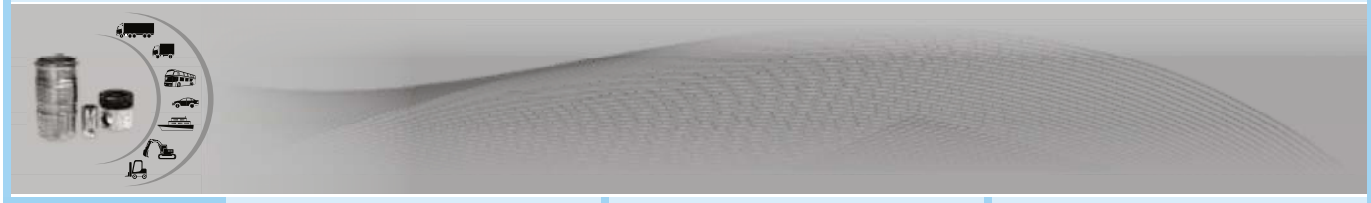


P 620 175 Std.
L 620 175
L 620 176
L 620 177
PR 620 175
K 620 175

P 620 180 Std.
L 620 180
L 620 181
L 620 182
PR 620 180
K 620 180

P 620 185 Std.
L 620 185
PR 620 185
K 620 185

V
VOLVO





Motor D 120 D **34**
12000 ccm, 176.5 kW, (240 PS), 17:1
Vehicle F 88, F 89, 1970-

Motor TD 120 A **35**
12000 ccm, 243 kW, (330 PS DIN), 15:1
Vehicle F 89, N 12, 1970- 1975
Motor TD 120 A, TMD 120 A
12000 ccm, 225-243 kW,
(306-330 PS), 15:1
Vehicle H 12, CH 230, 1977-1981

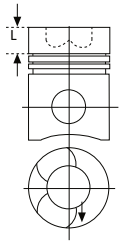
Motor TD 120 C/D/E, TAMD 120 D, **36**
12000 ccm, 225-273 kW,
(306-371 PS), 13.3:1
Vehicle F 12, 230 CH, 1977-1981



Ø 130.175 mm.
130P27

Cyl.	114.20
6	-1.00
	-1.10
	-31.74
	175.20

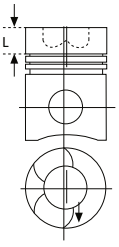
CSY
long type



Ø 130.175 mm.
130P28

Cyl	114.20
6	-2.10
	-31.55
	175.20

CSY
long type

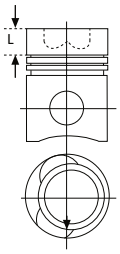


Combustion Bowl 75.00

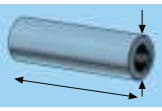
Ø 130.175 mm.
130P29

Cyl.	114.20
6	-2.60
	-27.10
	175.20

CSY
long type



Combustion Bowl 83.00



55.00
114.00

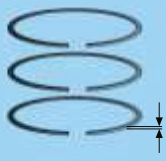


55.00
114.00

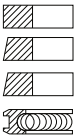


55.00
114.00

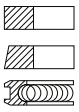




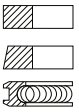
3.385 Cr
3.16
3.16
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr

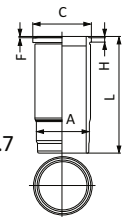


2.385 Cr
3.16 Cr
4.747 Cr

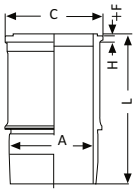




A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.7

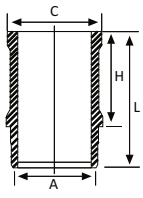


A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76



A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.7

A = 143.90
C = 157.60
L = 311.00
H + F=13.52+0.76

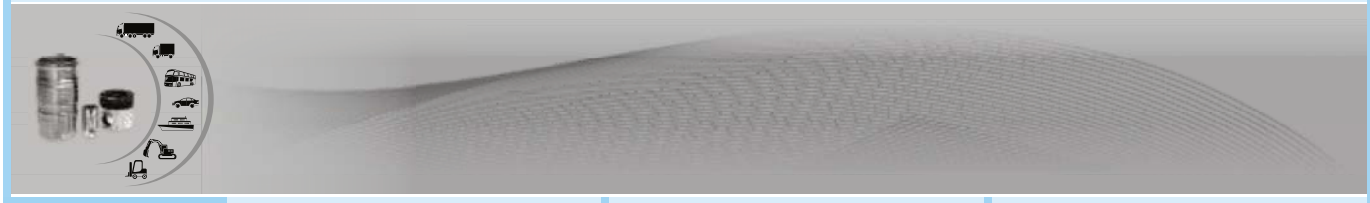




P 620 230 Std.
L 620 230
PR 620 230
K 620 230

P 620 235 Std.
L 620 235
PR 620 235
K 620 235

P 620 240 Std.
L 620 240
L 620 241
PR 620 240
K 620 240

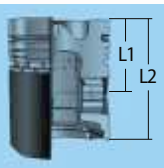




Motor TD 120 G, **37**
12000 ccm, 225-227-243 kW, (306-308-330 PS), 14.2:1
Vehicle F 12, N 10, N 12, CH 230, 10.1980-06.1986
Motor TD 120 F, TD 121 F
12000 ccm, 265-283 kW, (360-385 PS), 14.2:1
Vehicle F 12 Intercooler, CH 230, 10.1979-1988

Motor TD 121 G/GD **38**
12000 ccm, 243 kW, (330 PS), 14.2:1
Vehicle F 12, N 12, 07.1986-

Motor TD 122 F **39**
12000 ccm, 262 kW, (356 PS DIN), 15:1
Vehicle F 12, 1987-
Motor TD 122 FS,
12000 ccm, 291 kW, (395 PS), 15:1
Vehicle FS 10/FS 12, Intercooler, 1987-



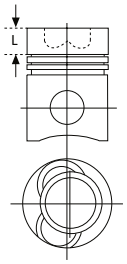




Ø 130.175 mm.
130P30

Cyl.	114.20
6	-2.50
	-27.95
	175.20

CSY
long type

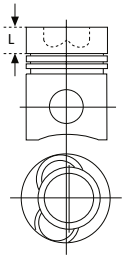


Combustion Bowl 79.00

Ø 130.175 mm.
130P31

Cyl.	114.20
6	-2.60
	-27.20
	175.20

CSY
long type
YPO

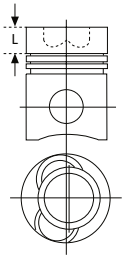


Combustion Bowl 79.00

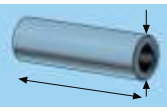
Ø 130.175 mm.
130P32

Cyl.	114.20
6	-2.60
	-25.40
	175.20

CSY
long type



Combustion Bowl 79.00



55.00
114.00

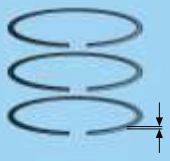


55.00
114.00

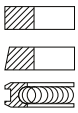


55.00
114.00

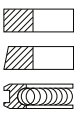




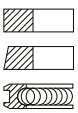
2.385 Cr
3.16 Cr
4.747 Cr



2.385 Cr
3.16 Cr
4.747 Cr



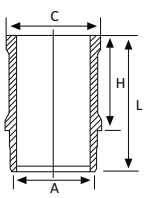
2.385 Cr
3.16 cr
4.747 Cr



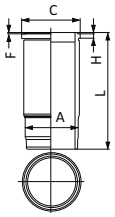


A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.7

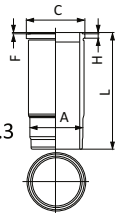
A = 143.90
C = 157.60
L = 311.00
H +
F=10.52+3.30



A = 143.90
C = 157.60
L = 311.00
H + F=10.52+0.7



A = 143.90
C = 157.60
L = 311.00
H + F=10.52+3.3

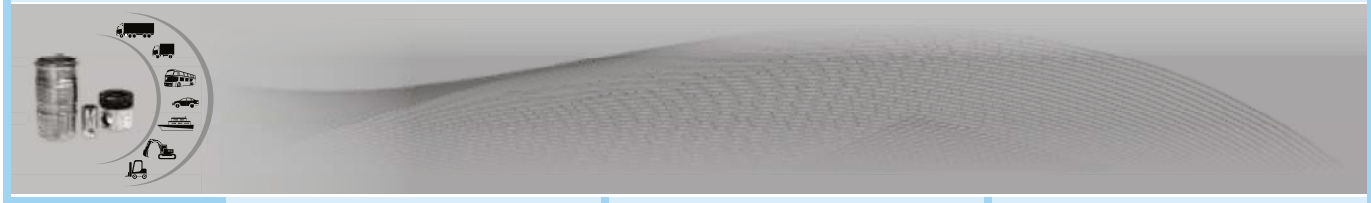


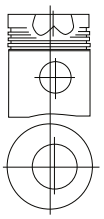
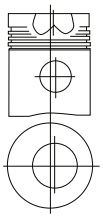
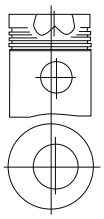
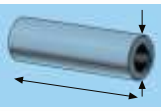
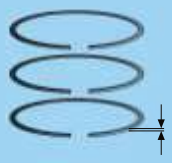
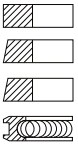
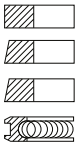
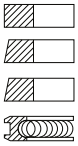
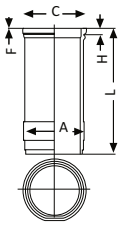
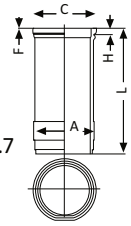
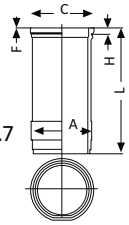


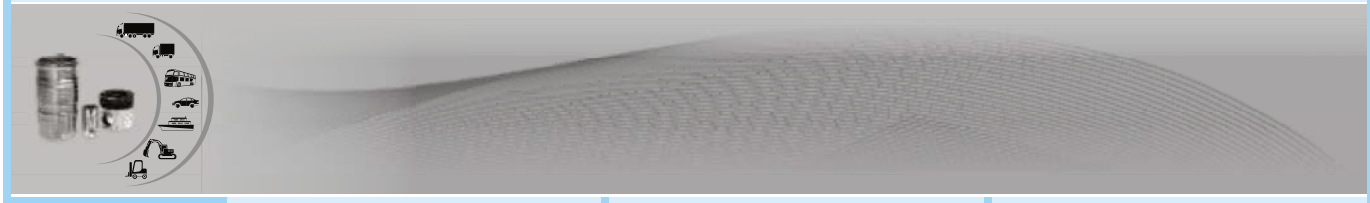
P 620 245 Std.
L 620 245
L 620 246
PR 620 245
K 620 245

P 620 250 Std.
L 620 250
PR 620 250
K 620 250

P 620 255 Std.
L 620 255
PR 620 255
K 620 255



	01	02	03
	**Motor D 42,** 4200 ccm, 59 kW, (80 PS SAE), 17:1 **Vehicle** Tractor 650, LM 621, LM 641, 1970-12.1975	**Motor 105,116** 1570 ccm, **Vehicle** Alfa 75, Alfetta Giullia Ti, 1600 Spider, Sprint, Sprint GT, 1975-1985	**dto.,** Ø 42 mm, 1976-
	**Ø 105.57 mm.** 105P27 Cyl. 84.10 4 -23.10 135.10  Combustion Bowl 54.50	**Ø 105.57 mm.** 105P28 Cyl. 84.10 4 -24.85 135.10 CSY  Combustion Bowl 54.50	**Ø 105.57 mm.** 105P29 Cyl. 84.10 4 -23.10 135.10 CSY  Combustion Bowl 54.50
	40.00 88.00 	42.00 87.00 	42.00 87.00 
	2.385 Cr 3.16 Cr 3.16 Cr 4.747 Cr 	2.385 Cr 3.16 Cr 3.16 Cr 4.747 Cr 	2.385 Cr 3.16 Cr 3.16 Cr 4.747 Cr 
	A = 118.00 C = 127.50 L = 245.00 H + F=14.10+0.7 	A = 118.00 C = 127.50 L = 245.00 H + F=14.10+0.7 	A = 118.00 C = 127.50 L = 245.00 H + F=14.10+0.7 
	P 630 100 Std. L 630 100 PR 630 100 K 630 100	P 630 105 Std. L 630 105 PR 630 105 K 630 105	P 630 115 Std. L 630 115 PR 630 115 K 630 115





Motor D 45, **04**
4500 ccm, 63 kW, (86 PS), 16.5:1
Vehicle Bagger 616 B, 1980-

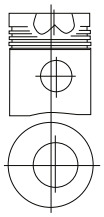
Motor TD 45, **05**
4500 ccm, 83 kW, (115 PS), 15.6:1
Vehicle Bagger 646, Radlager 4300, 1980-

Motor D 42 **06**
4200 ccm, 59 kW, (80 PS), 17,5:1
Vehicle 621, 642 Einbaumotor 1970-1975
650 Einbaumotor ...1975



Ø 105.57 mm.
105P30

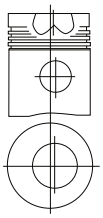
Cyl.	80.10
4	-23.50
	131.10
CSY	



Combustion Bowl 58.50

Ø 105.57 mm.
105P31

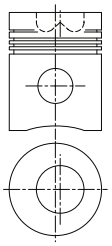
Cyl.	80.10
4	-19.70
	131.10
CSY	



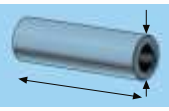
Combustion Bowl 58.00

Ø 105.57 mm.
105P32

Cyl	84.10
4	-23.10
	135.10
CSY	



Combustion Bowl 54.50



42.00
87.00

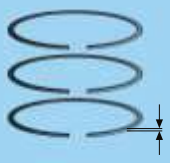


42.00
87.00

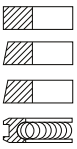


40.00
88.00

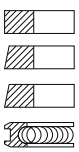




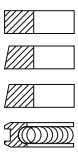
2.385 Cr	
3.16	
3.16	
4.747 Cr	



2.385 Cr	
3.16	
3.16	
4.747 Cr	

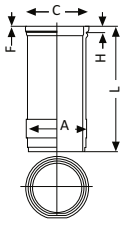


2.385	
3.16	
3.16	
4.747	

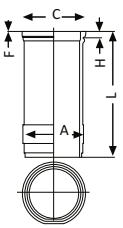




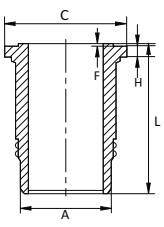
A = 118.00
C = 127.50
L = 245.00
H + F=14.10+0.7



A = 118.00
C = 127.50
L = 245.00
H + F=14.10+0.7



A = 118.00
C = 127.50
H = 14.00
F = 0.75
L = 245.00

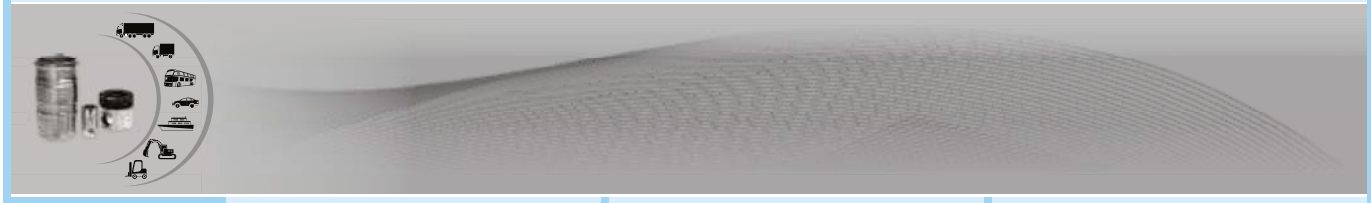




P 630 120 Std.
L 630 120
PR 630 120
K 630 120

P 630 125 Std.
L 630 125
PR 630 125
K 630 125

P 630 135 Std.
L 630 135
PR 630 135
K 630 135

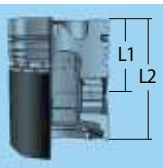


Motor TD 45. B **07**
4500 ccm, 83 kW, (113 PS), 16,5:1
Vehicle 616 B, 646 4300 1980....
Einbaumotor

Motor D 42 **08**
4200 ccm, 59 kW, (80 PS), 17,5:1
Vehicle 650, 621, 641 1976....
Einbaumotor

Motor TD 45, **09**
4500 ccm, 83 kW, (115 PS), 15.6:1
Vehicle Bagger 646, Radlager 4300, 1980-



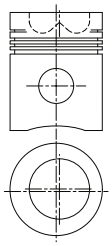






Ø 105.57 mm.
105P33

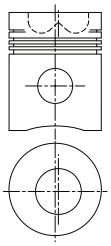
Cyl	80.10
4	-19.70
	131.10
CSY	



Combustion Bowl 65.00

Ø 105.57 mm.
105P34

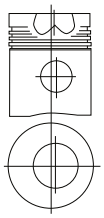
Cyl	84.10
4	-23.10
	135.10



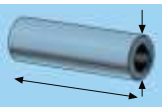
Combustion Bowl 54.50

Ø 105.57 mm.
105P35

Cyl.	80.10
4	-19.70
	131.10



Combustion Bowl 58.50



42.00
87.00

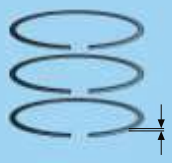


42.00
87.00

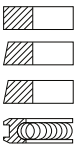


42.00
87.00

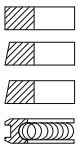




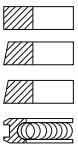
2.385
3.16
3.16
4.747



2.385
3.16
3.16
4.747

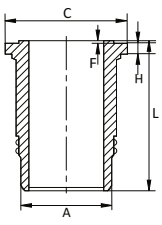


2.385 Cr
3.16
3.16
4.747 Cr

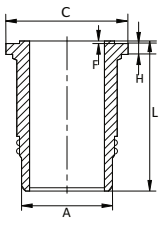




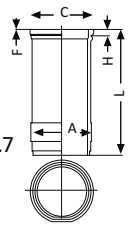
A = 118.00
C = 127.50
H = 14.00
F = 0.75
L = 245.00



A = 118.00
C = 127.50
H = 14.00
F = 0.75
L = 245.00



A = 118.00
C = 127.50
L = 245.00
H + F=14.10+0.7





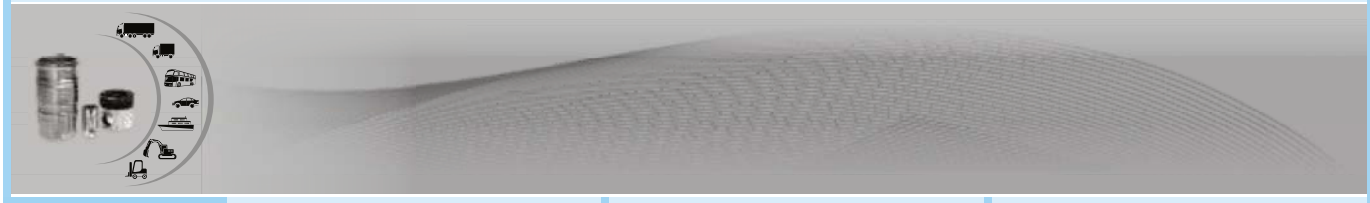
P 630 140 Std.
L 630 140
PR 630 140
K 630 140

P 630 150 Std.
L 630 150
PR 630 150
K 630 150

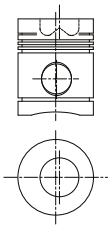
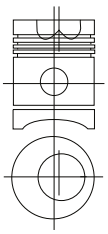
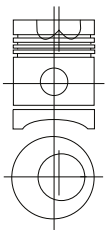
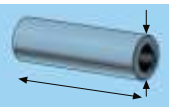
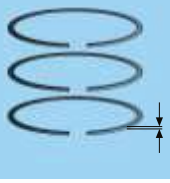
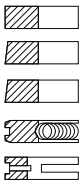
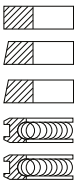
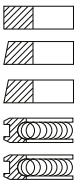
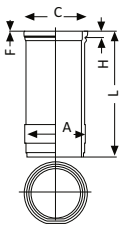
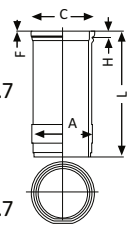
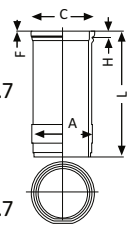
P 630 155 Std.
L 630 155
PR 630 155
K 630 155

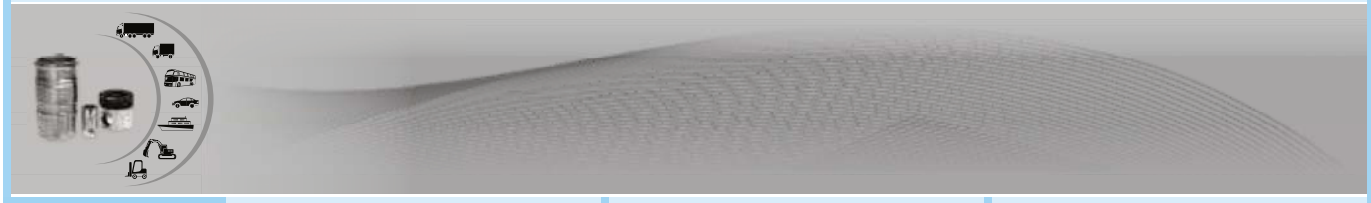
V

VOLVO/BM



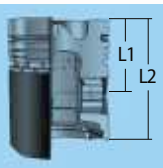


	Motor D 42 **10** 4200 ccm, 59 kW, (80 PS SAE), 17:1 **Vehicle** Tractor 650, LM 621, LM 641 1970 - 12.1975	**Motor 1113** **11** 3780 ccm, 41 kW, (56 PS), 16.5:1 **Motor 1117** 5040 ccm, 55 kW, (75 PS), 16.5:1 **Vehicle** Tractor 350, 470,	**Motor 1113** **12** 3780 ccm, 41 kW, (56 PS), 16.5:1 **Motor 1117** 5040 ccm, 55 kW, (75 PS), 16.5:1 **Vehicle** Tractor 350, 470,
	**Ø 105.57 mm.** 105P36 Cyl 84.10 4 -23.10 135.10 CSY ESP  Combustion Bowl 54.50	**Ø 111.125 mm.** 111P03 Cyl. 85.50 3/4 -26.50 148.50 ESP  Combustion Bowl 59.00	**Ø 111.125 mm.** 111P04 Cyl. 85.50 3/4 -26.50 148.50 CSY ESP  Combustion Bowl 59.00
	42.00 87.00 	40.00 90.30 	40.00 90.30 
	2.385 3.16 3.16 4.747 4.747 	2.385 Cr 3.16 3.16 4.747 Cr 4.747 Cr 	2.385 Cr 3.16 3.16 4.747 Cr 4.747 Cr 
	A = 118.00 C = 127.50 L = 245.00 H + F=14.10+0.7 	A = 126.00 C = 132.00 L = 258.50 H + F=14.08+0.7 A = 126.00 C = 132.00 L = 258.50 H + F=14.18+0.7 	A = 126.00 C = 132.00 L = 258.50 H + F=14.08+0.7 A = 126.00 C = 132.00 L = 258.50 H + F=14.18+0.7 
	P 630 160 Std. L 630 160 PR 630 160 K 630 160	P 630 110 Std. L 630 110 L 630 111 PR 630 110 K 630 110	P 630 145 Std. L 630 145 L 630 146 PR 630 145 K 630 145



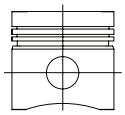
Motor D 155 4 CYL **01**





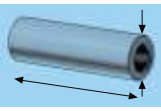
Ø 92,075 mm.
92P14

Cyl 58.738
95.25



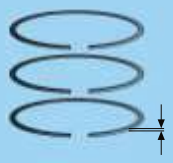




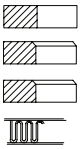


31.742
69.85





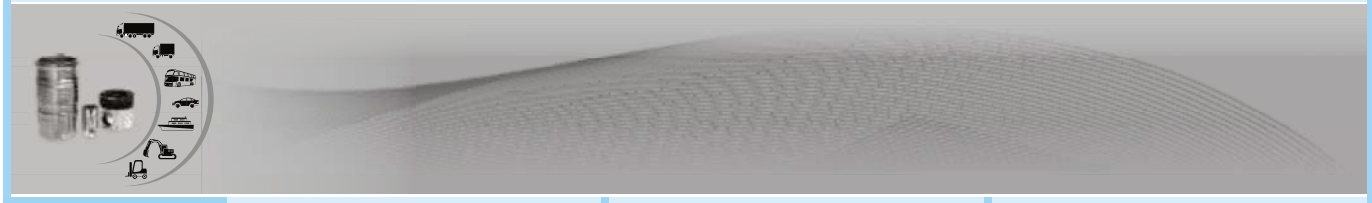
2.381
2.381
2.381
4.763



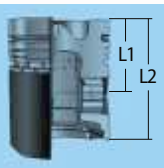
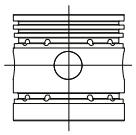
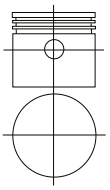
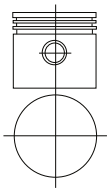
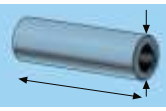
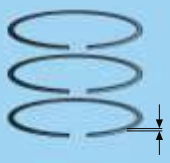
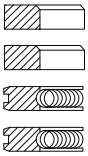
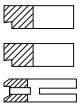
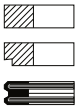




P 835 100 Std.
PR 835 100

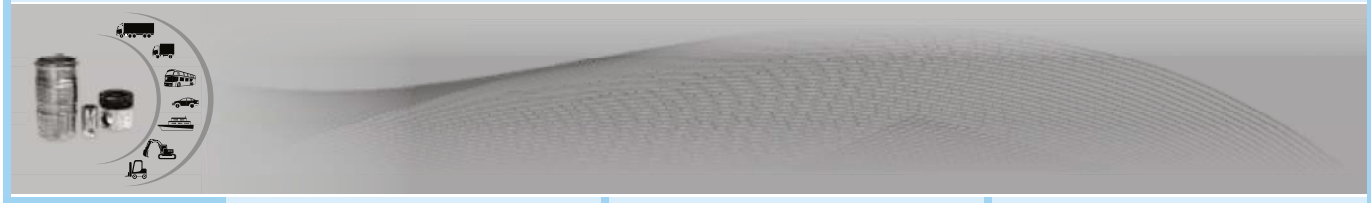


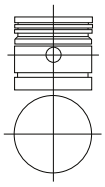
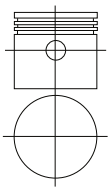
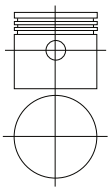
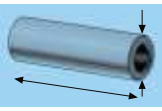
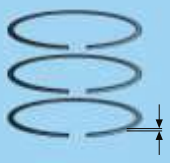
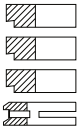
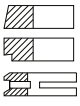
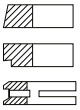


	01	Kompressor 79 P 4/187 P 4 02	Kompressor HDR, HDS 1979- 03
	**Ø 54.00 mm.** 54P01 Cyl 24.50 51.50 ESP 	**Ø 60.00 mm.** 60P01 Cyl. 27.00 1 54.00 	**Ø 75.00 mm.** 75P14 Cyl. 35.00 1 65.00 
	13,5 46.0 	15.00 46.00 	15.00 46.00 
	2.0 2.0 3.0 3.0 	2.50 2.50 4.00 	1.75 Cr 2.00 4.00 Cr 
			
	P 640 135 Std. PR 640 135	P 640 100 Std. P 640 100 0.50 P 640 100 1.00 PR 640 100	P 640 105 Std. P 640 105 0.50 PR 640 105

W

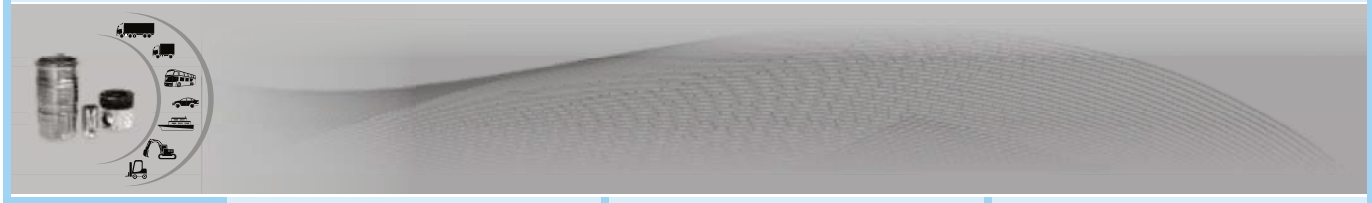
WESTINGHOUSE



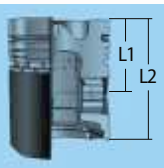
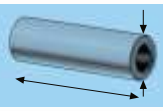
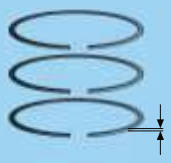
	Kompressor 04	dto., 05	Kompressor 15 W 37, WB 15 Kompressor 15.5 W 37, W31 06
			
	**Ø 75.00 mm.** 75P15 Cyl. 35.00 1/2 65.00 ESP 	**Ø 75.00 mm.** 75P16 Cyl. 35.00 1/2 65.00 ESP 	**Ø 75.00 mm.** 75P17 Cyl. 32.156 2 52.781 
	15.00 66.00 	15.00 46.00 	15.87 60.50 
	3.00 3.00 3.00 5.00 	3.00 3.00 5.00 	2.38 2.38 3.947 
			
	P 640 110 Std. P 640 110. 0.50 P 640 110 1.00 P 640 110 1.50 PR 640 110	P 640 115 Std. P 640 115 0.50 P 640 115 1.00 PR 640 115	P 640 130 Std. P 640 130 0.25 P 640 130 0.50 P 640 130 0.75 PR 640 130

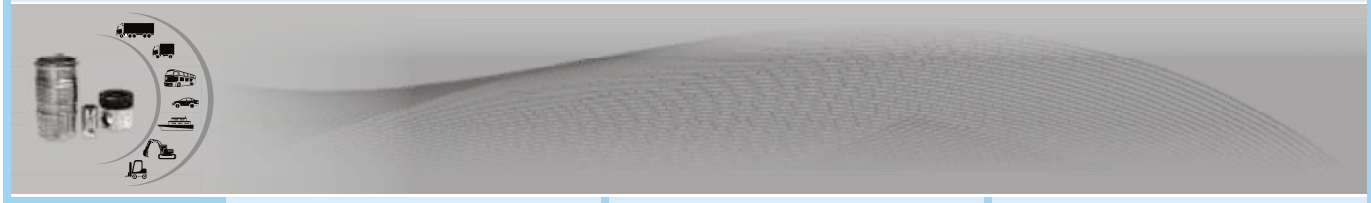
W

WESTINGHOUSE



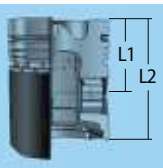


	Kompressor NDR 05.1981- **07**	Kompressor 411 010, 411 012, 411 026, 411 034, 411 043, 411 510 1965- **08**	
	**Ø 90.00 mm.** 90P16 Cyl. 32.00 1/2 62.00	**Ø 90.00 mm.** 90P17 Cyl. 37.00 1/2 67.00	
	20.00 60.00	20.00 60.00	
	2.50 2.50 4.00	2.50 2.50 4.00	
			
	P 640 120 Std. P 640 120 0.50 P 640 120 1.00 PR 640 120	P 640 125 Std. P 640 125 0.50 P 640 125 1.00 P 640 125 1.50 PR 640 125	



01



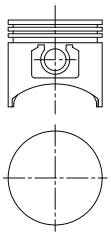


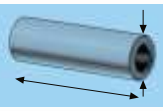
Ø 82.50 mm.
82P13

34.83
76.25



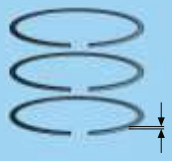
DSP



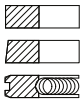


19.05
71.50





2.38
2.38
4.76



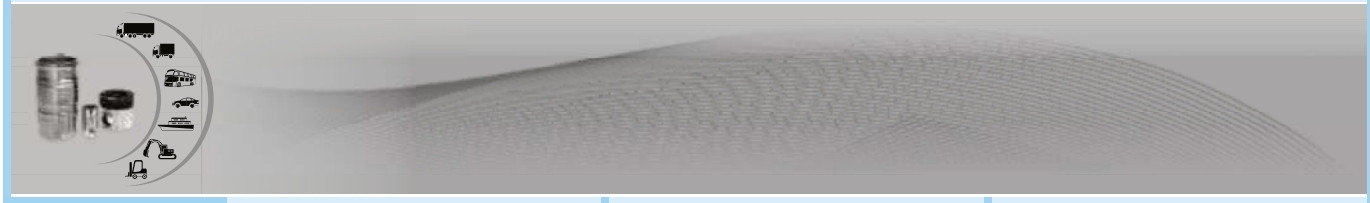


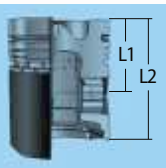
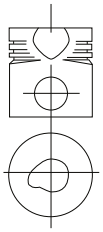
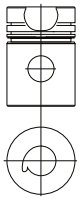
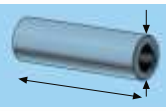
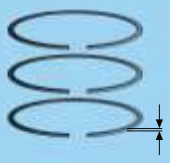
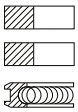
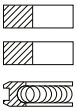


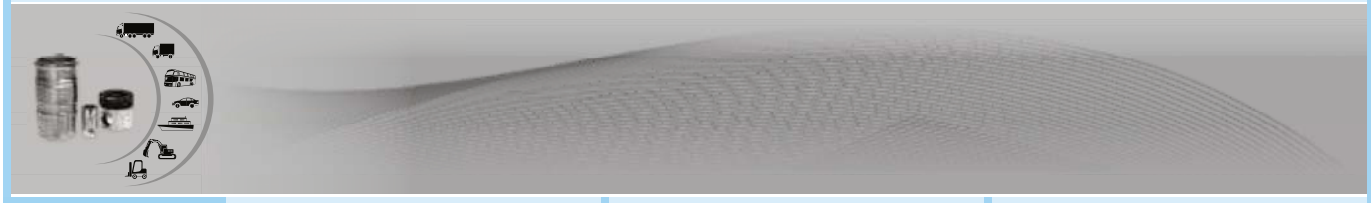
P 670 100 Std.
PR 670 100

W

WISCONSIN



	Motor 01	02	
			
	**Ø 120.00 mm.** 120P17 Cyl. 4 95.20 -46.00 138.10 CSY KMP  Combustion Bowl 45.30	**Ø 120.00 mm.** 120P18 Cyl. 4 95.10 -45.85 156.00 CSY KMP 	
	45.00 96.00 	45.00 99.00 	
	3.00 Cr 3.00 5.00 Cr 	3.50 3.50 5.00 	
			
	P 645 100 Std. PR 645 100	P 645 105 Std. PR 645 105	





01

Motor 2001,
1560 ccm, 16 kW, (22 PS), 16:1
Vehicle Tractor 2011, 2511, 2023,
Motor 3001,
2340 ccm, 24 kW, (33 PS), 16:1
Vehicle Tractor 3011, 3511, 3513, 3516, 3545,
Motor 4001,
3120 ccm, 35 kW, (47.5 PS), 16:1
Vehicle Tractor 4011, 4511, 4611,
Motor 5501,
4680 ccm, 40.5-44 kW, (55-60 PS), 16-17.9:1
Vehicle Tractor 5511, 5611, 5711, 5516, 5545, 5645, 5745, 5547, 5647, 5648, 1960-

02

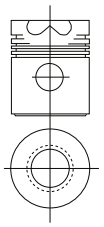
03

Motor 4701,
2592 ccm, 31 kW, (42 PS), 17-17.9:1
Vehicle Tractor 4711, 4712, 4718,1972-
Motor 6701,
3456 ccm, 33-38 kW, (45-52 PS),17:1
Vehicle Tractor 5911, 6211, 6711, 6718, 5945, 6245,1972-



Ø 95.00 mm.
95P28

Cyl. 2/3/4/6	66.00
	-18.40
	114.00

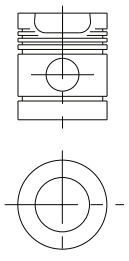


Combustion Bowl 48.00

Ø 95.00 mm.
95P29

	65.70
	-21.00
	113.75

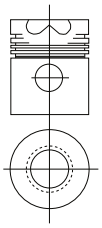
ESP



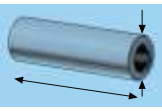
Combustion Bowl 58.20

Ø 100.00 mm.
100P61

Cyl. 3/4	66.00
	-18.60
	116.00



Combustion Bowl 47.60



35.00
77.00

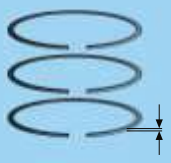


35.00
77.00

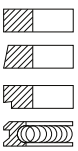


35.00
86.00

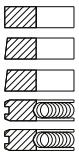




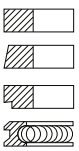
3.00 Cr
3.00
3.00
5.00



3.00
3.00
3.00
5.00
5.00

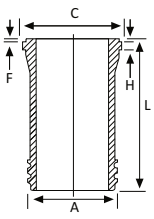


3.00 Cr
3.00
3.00
5.00

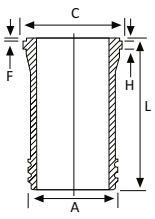




A = 111.00
C = 122.00
L = 210.00
H + F=10+0.5



A = 115.00
C = 123.00
L = 225.50
H + F=10+0.4

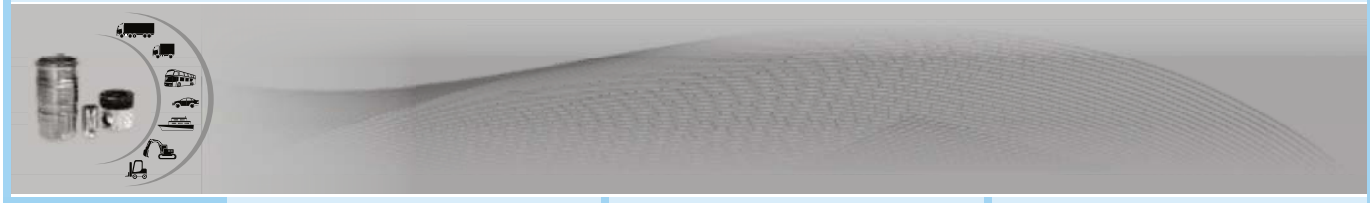




P 650 100 Std.
P 650 100 0.50
L 650 100
PR 650 100
K 650 100

P 650 120 Std.
PR 650 120

P 650 105 Std.
P 650 105 0.50
L 650 105
PR 650 105
K 650 105





Motor 4901, **04**
2696 ccm, 26-33.5 kW, (35-45 PS), 17:1
Vehicle Tractor 4911, 5211, 4945, 5245
Motor 6901,
3595 ccm, 42-45.5 kW, (57-63 PS), 17:1
Vehicle Tractor 6211, 6911, 7211, 6245, 6945, 7245, 1978

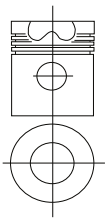
05

Motor GM 01 **06**
3421 ccm, 41 kW, (56 PS), 17:1
Vehicle Tractor 1969-
Motor 8001 GZ 01,
4562 ccm, 55-56 kW, (75-76 PS), 17:1
Vehicle Tractor 8011, 8045,1969-
Motor 8601
6842 ccm, 84-87 kW, (114-118 PS), 17:1
Vehicle Tractor 8611, 12011, 12045, 12145, 1969-



Ø 102.00 mm
102P43

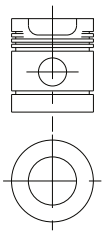
Cyl.	66.50
3/4	-22.50
	116.50



Combustion Bowl 47.50

Ø 102.00 mm.
102P44

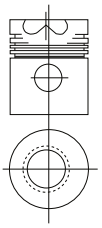
	66.45
	-20.40
	116.50
ESP	



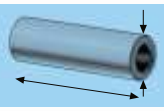
Combustion Bowl 60.00

Ø 110.00 mm.
110P15

Cyl.	76.00
3/4/6	-22.00
	128.00



Combustion Bowl 55.00



35.00
86.00

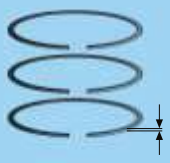


35.00
84.50

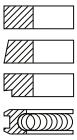


40.00
93.00

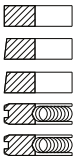




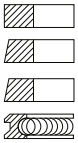
3.00 Cr
3.00
3.00
5.00



2.50
2.50
2.50
4.50
4.50

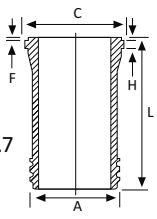


3.00 Cr
3.00
3.00
6.00

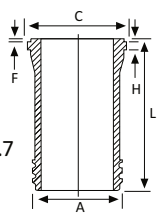




A = 116.00
C = 124.00
L = 225.70
H + F=10.07+0.7



A = 127.00
C = 136.00
L = 233.70
H + F=10.07+0.7





P 650 110 Std.
L 650 110
PR 650 110
K 650 110

P 650 125 Std.
PR 650 125

P 650 115 Std.
P 650 115 0.50
L 650 115
PR 650 115
K 650 115

Z
ZETOR

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 350 105	105410203101	91 421 600	063 18 00	IP 666185
	105410203102			
	10541020310201			
	105480203010/01			
	1100201101E00	84 499 110	063 WN 05	
	701763	91 672 600	063 27 01	
	20240060	89 185 110	489 WN 01	
	20242010			
P 350 110		92 302 960		
P 355 115	052107065	93 159 600	029 44 00	20204
	052107065AD			
	052107065C			
	052107065E			
	052107065J			
	052107065L			
P 355 155	052107081A	93 159 620	029 44 12	20204
	052107081AB			
	052107081AD			
	052107081B			
	052107081C			
	052107081E			
	052107081J			
	052107081L			
	056107081L			
P 355 155	052107091AD	93 159 620	029 44 13	20204
	052107091B			
	052107091C			
	052107091E			
	052107091J			
	052107091L			
P 355 160	052107065AA	93 084 600	029 48 00	20510
	052107065AE			
P 355 160	052107071AA	93 084 610	029 48 00	20510
	052107071AE			
P 355 160	052107081AA	93 084 620	029 48 00	20510
	052107081AE			
P 355 100		93 260 600	029 55 00	
	068107081BA	93 260 610	029 55 01	
		93 260 620	029 55 02	
P 355 105		93 541 630		
		93 541 640		
		89 163 190		
P 355 110	049107065D	93 039 600	034 63 00	
	049107065M			
	049107065T			
	049107091D	93 039 640	034 63 03	
	049107091M			
	049107091T			
P 355 165	049107065A	93 356 600	034 54 00	87-70065-STD
	049107065AF			
	049107065F			
	049107065J			
	049107081AF	93 356 620	034 54 02	

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 355 165	049107091A	93 356 640	034 54 03	
	049107091AF			
	049107091F			
	049107091G			
	049107091J			
P 355 170		91 386 600		
		91 386 620		
		91 386 640		
P 355 175		91 429 600		
		91 429 620		
		91 429 640		
		89 434 190		
P 355 115	026107103C	93 875 600	034 77 00	
	026107103H			
	065107065Q			
	065107071Q	93 875 610	034 77 01	
	065107081Q	93 875 620	034 77 02	
P 355 120	026107103A	93 872 600	034 76 00	
	026107103M			
	026107105M	93 872 610	034 76 01	
	026107107M	93 872 620	034 76 02	
P 355 125	026107065N	93 876 600	034 78 00	
	026107103N			
	026107071N	93 876 610	034 78 01	
	026107105N			
	026107081N	93 876 620	034 78 02	
	026107107N			
P 355 140	026107103J	93 871 600	034 53 00	
	034107065H			
	034107071H	93 871 610	034 53 01	
	026107107E	93 871 620	034 53 02	
	034107081H			
P 355 145	026198151C	93 825 600	034 74 00	
	034107065C			
	026198153A	93 825 610	034 74 01	
	026198153B			
	034107071C			
	026198155A	93 825 620	034 74 02	
	034107081C			
P 355 150	026107065J	93 874 600	034 79 00	
	034107065D			
	026107071J	93 874 610	034 79 01	87-72192-STD
	034107071D			
	034107105D			
	026107081J	93 874 620	034 79 01	
	034107081D			
P 355 130	026107103B	93 928 600	034 75 00	
	026107103D			
	026107103P			
	026107071B	93 928 610	034 75 01	
	026107081D	93 928 620	034 75 02	
	026107107P			
P 355 180		94 429 700		
		94 429 720		
P 355 185		40 093 600		
P 355 190				87-72202-STD
P 375 110		91 680 600		A350398

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 375 110	7191818	88 041 190	069 WV 03	SU497301
P 375 100	2716930	93 918 700	069 18 10	350083
	2716933			
	2716935			
	2716936			
	2716937			
	2716939			
	2716940			
	7173147			
	7204361			
	7204362			
	7204363			
	7206012			
	7206015			
	7206016			
	9961514			
	9961516			
	9961517			
	9961933			
	9961983			
	91002673			
	91002675			
	91002676			
P 375 105				554505
P 580 105	5000336191	92 499 600	592 30 00	PI7962100
	5000336301			
	5000336302			
	5000793443			
	5000044122	89 441 110	592 WN 05	CH5331200
	5000044314			
	5000044440			
	5000044644			
	5000202738			
P 580 110				PI4691500
	5000336162	89 173 110	592 WN 09	CH5332200
P 580 115	5001823199	94 724 600	592 34 90	
		89 464 110	592 WN 11	
P 380 100		93 504 700	209 24 00	
P 380 105		90 947 700	209 41 00	
	146539	88 031 110	209 WT 07	
	154954			
	773478			
		89 085 110		
		89 374 110		
P 385 100	11251262365	92 790 600	082 36 00	
	11251262472			
	11251262473			
	11251262527			
	11251267365			
	112512625279			
P 385 105	11251179541	90 429 600	081 17 00	
	11251721621			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 385 105	11251727711	90 429 600	081 17 00	
	11251739009			
P 400 100	9L6979	93 232 600	127 31 00	900197 87-70324-STD
	9L8556			
	9L9104			
	9L9222			
	9L9363			
P 400 105		90 255 600		
P 400 110	4N0502	93 251 600		
	6N4220			
	6N4222			
P 400 115	2F2256	90 189 600	127 30 00	
	4F5225			
	7F2255			
	7F2257			
	7F4459			
	8F8570			
	8H2000			
	8H2001			
	8H2005			
	8H2007			
	8M2000			
	9F6049			
	9F6639			
	9H1257			
P 400 140	1P0239	93 178 600	127 58 00	900207
	2P6270			
	2P6271			
	2P6272			
	3Y0651			
	4N9258			
	7S6791			
	9N1303			
	9N5250			
	9N5251			
	9N5404			
P 400 135	8N3181	93 611 600	127 57 00	900207
	8N3183			
	9S2260			
	9S8913			
	7N5681			
P 400 125	2W1711	90 262 600		
	2W3313			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 400 125	8N2533	90 262 600		
P 400 145	2W9053	90 273 600		
	8N1496			
	8N1607			
P 400 150	8N1605	90 271 600		
P 400 155	7N3634	93 888 600		
	8N0843			
P 400 160	8N0844	93 409 600		
P 400 170	6N9682	91 375 600		
	8N0932			
P 400 165	3S4044	93 692 600	127 65 00	
	5S1192			
	6N8649			
	7N0738			
	8N0840			
	8N5536			
	8N8648			
	8N8649			
	8S2660			
	9N0838			
	9N2875			
	9S2266			
P 400 175	1H5624	92 509 600	127 40 00	900189
	1H5625			
	1M3495			
	3S4040			
	4H9987			
	4M9112			
	6H6745			
	8H7981			
P 400 180	4N6815	93 313 600	127 41 00	900120
	7N1367			
P 400 185	9L6979	93 232 600	127 21 00	900197
	9L8556			
	9L9104			
	9L9222			
	9L9363			
P 405 140	5426570G	93 198 600	031 54 00	
	5486818B			
	95486818			
P 405 100		93 784 600	039 78 00	
		89 316 190		
P 405 120	95624464	93 648 600	039 24 00	
P 405 135	95644418	93 141 600	039 94 00	
P 405 115	95624932	93 846 800	039 76 00	
		89 301 110		
		89 184 190		
P 405 125	5451026	92 862 600	031 39 00	
	5451388			
	5451389			
	5463388			
	5463389			
		89 003 190		
		89 031 190		
P 405 130	95571336	93 844 700	031 82 00	
	E52280013E1			
		89 073 190		
P 415 115	234868	90 904 600	137 16 00	

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 415 115	239292	90 904 600	137 16 00	
	239297			
	680864			
	0210376/1	88 253 110	137 WT 02	
P 415 140	0682130	90 547 600	213 24 00	
	682130			
P 415 105	680857	91 571 600	213 22 00	A350063
	1456148			
	244856			
	507430			
	220095	88 547 110	213 WT 01	SJ351350
	212275			
P 415 110	680859	93 028 600	213 32 00	A350167
	631068			
	631086			
	680859			
P 415 120	680860	90 112 600	213 33 00	
	614823			
	159288	88 624 110	213 WT 02	
	240474			
	241116			
	257340			
	396855			
	159280	89 442 110		
P 415 100	683166	92 130 600	213 61 00	A350008
	356888			
	622249			
	680862			
	681336			
	682068			
P 415 125	0681963	94 448 600	213 63 00	87-70436-STD
	683163			
	683598			
	1384904			
	1299794/01			
	681647			
P 415 130	0096531	94 447 600	213 62 10	
	683169			
	683599			
	1299793/01			
	1384902			
	682544			
P 415 155	682072			
P 415 170		94 556 600		87-72472-STD
	394080	88 640 110	213 WT 03	
	241054			
	256960			
	394080			
	396080			
	159289	89 413 110		
	256960			
				181704
P 655 120	K902668			350006
	K902667			
P 655 100	K921788			583206 87-70316-STD
	K943880			
	K943884			
	K943887			
	K949474			
P 655 105	K949721			586006
	K943883			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 655 105	K943891			586006
P 655 110	K944573			A350188 / 87-70563-STD
P 655 115	K206954			
	K964857			SU351121
P 420 100	1900587	90 451 700	007 20 00	666324
	1900884			
	1900885			
	1900886			
	1900932			
	4271876			
	4271877			
	4271878			
	5880462			
	5880463			
	5880464			
	5881664			
	5881665			
P 420 380	5882320	94 348 600	008 99 00	66.40.4.9436
	5888771			
	5888772			
P 420 395	4128850	90 392 600	007 47 00	664425
	4128855			
	70016750			
	70016770			
	901984			
	901985			
	901986			
P 420 285	1900960	90 548 600	007 49 00	665733
	1900961			
	1900962			
	4168488			
	4168489			
	4168490			
	5880499			
	5880500			
	5880501			
	70013700			
	70013770			
	902153			
	902237			
	902238			
	902239			
P 420 105	4394930	93 145 600	008 57 00	667061
	5880758			
	5880759			
	5880760			
P 420 110	5881065	93 848 600	008 54 00	
	5881066			
	5881067			
P 420 275	5888212	92 916 600		
	5888213			
P 420 115	4461942	93 497 600	007 32 00	
	5881361			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	5881362			
	5881363			
P 420 115	5888972	93 497 600	007 32 00	
	5888973			
	5888974			
	4461942			
	5881361			
	5881362			
P 420 115	5881363	93 497 600	007 32 00	
	5888972			
	5888973			
	5888974			
		89 160 190		
	19002502			
	19002624			
	19002640			
	1900265			
	1900266			
	1900502			
	1900503			
	1900504			
	1900624			
	4203753			
	4255847			
	4255848			
P 420 120	4255849	91 587 600	007 58 00	
	5880529			
	5880530			
	5880531			
	5881548			
	5881549			
	5881550			
	5882482			
	5882483			
	5882484			
	6865			
	72145010			
P 420 300	46461024			87-70735-STD
P 420 125	5984205	93 916 600		
		89 094 190		
P 420 420		90 613 600		
		89 424 190		
	5881190			
	5881191			
P 420 130	5881192	93 561 600	008 63 00	
	5968841			
		89 094 190		
	0007760			
	4238575			
	4277059			
P 420 135	4277060	92 425 600	007 75 00	666361
	4277610			
	5880221			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	4277060			
	5880223			
	5880607			
	5880608			
	5880609			
P 420 135	59535	92 425 600	007 75 00	666361
	4363111			
P 420 140	5880748	93 279 600	008 66 00	667173
	5880749			
	5880750			
	000 751			
	5880139			
	5880249			
	5880250			
	5880565			
	5880566			
P 420 245	5880567	92 915 600	008 65 00	666709
	5880622			
	5880623			
	5880624			
	5880731			
	5880732			
	5880733			
	5881065			
P 420 270	5881066	93 948 600	008 54 00	
	5881067			
	1900795			
	1900796			
	1900797			
	4256977			
	4256978			
	4256979			
	4271498			
P 420 145	4310575	93 449 600	007 80 00	666298
	4310576			
	4310577			
	5880040			
	5880541			
	5880547			
	5880548			
	5880549			
	5881016			
	5881017			
	5881018			
P 420 250	5881019	93 302 600	008 71 00	666942
	5881273			
	5881274			
	5881275			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 420 250	5881791 5881792 5881793	93 302 600	008 71 00	666942
P 420 260	5880912 5880913 5880914 5881803 5882951 5882952 5882953 81191545 81191547 81191549	93 301 600	008 72 00	667199
P 420 310	5881784 5881785 5881786 5882918 5882919 5882920 5890243 5890244 5890245 5959093	90 699 600	008 74 00	
P 420 320	7303499	93 883 600	008 06 00	
P 420 155	98443923 99443923	90 681 600	008 94 00	
P 420 160	1907696 4825853 7303023 7303024	93 123 600	008 05 00	
	4706491 7301804	89 066 190	007 WV 39	
	3003473 7302135 7302453	89 183 190	007 WV 43	
P 420 150	7300680 7300884 7301393 7301400 7301503 7301808 7301813 7301818 7301923 7302290 7701349710	93 378 600	007 98 00	A 667324
P 420 165	1900393 1900403 1900691 1900692 1900701 1909199	91 476 600	007 85 00	
		88 593 190		

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
		88 699 190		
		88 800 190		
P 420 170	1902053	92 239 600	007 96 00	
P 420 175	1909167	92 628 600	007 97 00	667239
	1909207			
	1901132			
	1901462			
	4712886			
	79037500			
P 420180	4770645		008 18 00	
P 420 400	1930241		008 18 00	21234001
	4653280	88 631 190	007 WV 09	
	4653281	88 801 190	007 WV 10	
		88 802 190		
P 420 185	1901395	90 654 600	007 94 00	
P 420 190	1901395	93 311 600	007 94 00	21217501
	1902198			
	1902430			
	1902670			
	1908748			
	1909436			
	1909439			
	4679201	89 080 190	007 WV 40	
	4798813	89 195 190		
P 420 240	1902421	90 158 600	008 35 00	21233901 87-70776-STD
	1902537			
	1930186			
	4813586			
	4813587			
	4813588			
	4813589			
	4829448			
P 420 305		90 008 600		
P 420 370	1902461	90 152 600	008 36 00	
P 420 325		90 187 600		
	4776623	89 326 190	007 WV 48	
	4803030	89 317 190	007 WV 49	
	4807735EZ			
P 420 195		91 090 600		
		88 342 110		
P 420 205	1901209	92 500 600	233 01 00	667022
	1909212			
	4726827			
P 420 200	1901156	91 616 600	233 16 00	
	4735479			
	8817898			
	8823333			
P 420 210		90 488 600	233 13 00	
	8815939	88 827 110	233 WN 04	
P 420 215	1901489	93 208 600	233 19 00	
P 420 220	1901405	93 209 600	233 20 00	58117101
	1901492			
	1909189			
	1909755			
	1909759			
P 420 315	1930232	93 839 600		58132501
P 420 330	1930742	99 445 600	008 29 00	
	4750806	89 024 110	233 WN 09	
	4850230			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	4850231			
	8822141			
P 420 225	1901446	91 668 600	008 17 00	A 666624
	1901447			
		88 599 110		
P 420 230	1901105	90 449 600	008 23 00	
	1909205			
	586406	88 136 110		
		88 135 190		
		88 805 190		
		88 806 190		
P 420 410	1901468	92 867 600	008 25 00	
	1901469			
P 420 530	98432551			87-70778-STD
	98432552			
	98432553			
	4678900	88 856 110	007 WT 19	
	4678901	89 047 110	007 WT 37	
P 420 235	1901458	93 620 600	008 48 00	
	1901459			
	1902198			
	1902199			
	4777980			
	4796296			
P 420 470	500352812			
P 420 475	99477111			
P 420 575	1905849			
	4622074	88 600 110	007 WT 24	
	99468534			
P 425 180				23700
P 425 315	89FF6K108GB	93 065 602		A 350848
	91FF6K108GD			
	91FF6K108GE			
	91FF6K108JE			
P 425 175				A 350493
P 425 100		97 721 600		
		88 510 110		
P 425 170	1019713	92 189 600	014 82 00	A350826
	6173078			
	7047591			
	86TM6110EA2D			
	984F6K105ABA			
P 425 105		93 625 600	039 51 00	BP132.14.00
P 425 110		93 520 600	039 50 00	BP129.44.07
		89 033 190	039 WV 16	CH2315.100
		89 412 190	039 WV 30	CH2319.100
P 425 115	E1ADDN6110L	90 506 600	017 12 00	428705
	E1ADDN6102E			
	E1ADDN6102J			
	1710338			
	81710365			
P 425 185	E1ADDN6110J	90 503 600	017 14 00	429203
	E1ADDN6102G			
	81710364			
	81710337			
	E1ADDN6055B	88 143 110	017 WN 03	SJ196803
	17110301			
	E1ADDN6055E	88 145 110	017 WN 04	SJ491601

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	17110303	88 145 110	017 WN 04	SJ491601
P 425 120	2701E6102A	90 495 600	014 35 00	350067
	2701E6102C			
	1436363			
	2701E6055B	88 141 190	014 WV 02	SU517801
	2704E6055B			
	1429784			
	1787897			
		89 167 190	014 WV 07	SU517802
P 425 125	D4NN6108A	90 418 600	014 37 00	A 350226
	D6NN6108F			
	83910837			
P 425 130	C5NN6108V	93 566 600	014 89 00	A350199V1
	C7NN6108AJ			
	D4NN6108L			
	D4NN6108N			
	D6NN6108P			
	D6NN6108R			
	DNW6108AJ			
	C5NN6055A	88 500 190	014 WV 03	SU522801
	1815327			
P 425 135	1587873	92 587 600	014 38 00	350031 87-70871-STD
	1587878			
	703F6102AA			
	703F6102AAB			
	793F6102AAA			
	793F6102BAA			
		88 158 190		SU351175
P 425 140	D7NN6108A	97 250 600	014 51 00	A350225V2
	D9NN6108FA			
	D9NN6108HA			
	D9NN6108JA			
	D9NN6108KA			
	83913727			
	83919735			
P 425 145	D4NN6108AF	97 507 600	014 50 00	A350303V2
	D4NN6108FA			
	D6NM6108Y			
	D6NN6108AA			
	D6NN6108AB			
	D6NN6108AC			
	D6NN6108Y			
	DAPN6108F			
	DCPN6108L			
	83912026			
	81877566			
	8184534			
	81827196			
	81824044			
P 425 155	D5NN6108S	93 858 600	014 47 00	A350382
	D9NN6108AA			
	E0NN6108AA			
	E0NN6108CA			

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P 425 155	E0NN6108DA	93 858 600	014 47 00	A350382
	E0NN6108EA			
	E1NN6108TA			
	8795261			
	81845875			
	81877563			
	83919730			
	83928178			
P 425 250				A350382
P 425 260				A350202
P 425 160	D4NN6108F	93 813 600	014 48 00	A350227V2
	D4NN6108T			
	D5NN6108S			
	D5NN6108U			
	D5NN6108V			
	D5NN6108X			
P 425 150	C7NN6108V	97 505 600	014 49 00	A350202V1
	D2NN6108AC			
	D2NN6108N			
	D4NN6108AA			
	D4NN6108AB			
	D4NN6110AD			
	D6NN6108L			
	D6NN6108S			
	E1NN6108LA			
	EDPN6102A			
	81846014			
	83937063			
	81827181			
	81817183			
P 425 220		93 656 600	014 92 00	87-70845-STD
	D0NN6055A	89 002 190	014 WV 06	SU351030
	D0NN6055B			
	D7NN6055A			
P 430 125	114901009	91 392 600	055 49 00	
	114901018			
	114901022			
	114901719			
	114912009			
	114912018			
	114912022			
	114912719			
	2862114M11			
	2862141M91			
	X860114912022			
	114901166	88 180 110	055 WN 05	
	2861671M1			
P 430 100	0194912001	90 619 600	055 56 00	
	0194912700			
	194912001			
	194912700			
	2871229M91			
	2871246M91			
	194901101	88 169 110	055 WN 07	
	2870784			
	2870784000			

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P 430 105	0194912002	92 449 600	055 57 00	
	0194912701			
	194912002			
	194912701			
	2871230M91			
	2871253M91			
	3089061M91			
	3230125M91			
	194901125	88 644 110	055 WN 06	
	2870801M1			
	3076987M1			
P 430 110	0194912003	92 433 600	055 70 00	
	0194912702			
	194912003			
	194912110			
	194912702			
	2871231M91			
	2871248M91			
	2871257M91			
	2964994M91			
	3070746M91			
P 430 115	3070709NA	92 968 600	055 48 00	
	3070748M91			
	3070748M 92			
	748M91			
	194901136	88 645 110	055 WN 08	
	194901158			
	2870812M1			
	2870812M91			
	2970908M1			
	3093482M1			
P 435 100	00340103169	90 625 600	273 04 00	
	00340103.169			
	00340104			
	00340104.162			
P 435 105	00327500.303	91 468 600	273 05 00	
	00327500303			
	00327502.039			
	00327502039			
	00327503.032			
	00327503032			
P 435 110	00356000249	91 456 600	273 14 00	
	00356000.249			
	00356001249			
	00356001.242			
	00356001.249			
P 435 115	00331402.099	90 628 600	273 11 00	
	00331404099			
	00331404.091			
	00331404.099			
P 435 120	00110501.AU	91 482 600	273 22 00	87-71012-STD

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P 435 120	00334701119	91 482 600	273 22 00	87-71012-STD
	00334701.119			
	00334702 118			
	00334702.111			
	00334702.118			
	110 501 AU			
P 435 125	00350302	91 697 600	273 35 00	
	00425000.339			
	00425000339			
	00425001.331			
	00425001.339			
	00425001339			
	00567600			
P 690 115	23411-41410			87-71138-STD
P 440 100	3044486R3	91 415 600	089 30 00	481303
	3044487R3			
	3044478R94			
	3044479R94			
	3044480R94			
	3044481R3	88 492 110	089 WN 08	
	3044999R1			
P 440 105	3055019R2	92 951 600	089 59 00	350399
	3218758R95			
P 440 110	3139586R95	90 769 600		
	3139589R95			
	3055019R1	88 892 150	089 WN 17	SJ351211
	3139587R2			
	3144447R1			
P 440 115	3055329R92	92 952 600	089 61 93	350371
	3055335R93			
	3144450R92			
	3144257R95			
	3218759R91			
P 440 120	3136593R1	90 730 630	089 65 00	A350183V1 87-71204-STD
	3139591R96			
	3144663R92			
P 440 125	3144516R95	92 982 600	089 56 93	
P 440 130	3228521R1	91 816 600	089 54 00	
	3055020R1	88 891 150	089 WN 16	SJ351201
	3139592R4			
	3144451R1			
P 440 140	3218668R94	92 983 600	089 70 00	
	3144537R1			
P 440 135		94 683 600		
P 440 150	3218915R93	93 445 600	089 73 00	
	3144536R1	89 018 150	089 WN 18	
	3144682R2			
P 440 175				A350271
	682720			SJ351164
				WS556
P 445 105	5121110640	97 501 600	629 08 00	350147
	9121118130			
P 445 125		99 403 600		
P 455 100	T23481	90 867 600	225 07 00	A1422
	T23482			

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	AR51902	88 641 110	225 WN 01	WS499
	T32340	89 035 110	225 WN 05	WS498
P 455 105	AR78310	93 421 600	225 14 00	87-71422-STD
	R51112			
	RE53265			
	T26149			
P 455 135	T30015			A1458
	T30355			
P 455 110	AR55984	93 000 600	225 10 00	A1530
	AR87736			
	T30355			
P 455 140	AR77762			
	AR51903	88 896 110	225 WN 02	
	R48636			
	T32343	88 036 110	225 WN 04	WS485
	AR71618			
	R1116463			
P 455 115	AR55980	93 757 600	225 15 00	
	RE11515			
	RE24458			
	RE24539			
P 455 130	AR87738			
	AR79868			
	RE19282			
	RE19283			
P 455 120	RE15595	93 759 600	225 19 00	
	RE15596			
P 455 125	AR71067			
	AR87748			
P 455 155	RE19278			
	RE19279			
	RE48368			
P 455 180	RE505102			
	AR51726	89 028 110	225 WN 03	
	AR65507			
	R116281			
	R51726			
	R80724			
	R121867			
P 455 145	RE23163			A1699 NP
P 455 150	RE23172			A1700 NP / 87-73150-STD
P 455 165	RE23168			A1691 NP
	R40615			WS-467
	R48767			
P 455 125		94 684 600		
P 455 130			452 02 00	
P 455 190	RE48469			
	RE28920			
	RE28966			
		89 459 110	452 WN 02	
P 465 100	155070510	90 332 600	099 23 00	350 092
	155070513			
	155070516			
	155070520			

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P 465 100	03371630EB	90 332 600	099 23 00	350 092
	3371632			
	3371640			
	B0155070527			
P 465 100	01480237A3	90 332 610	099 23 01	
	3371637			
	155070523			
	155070536			
	155070560			
	0155070527/14			
	F0155070536			
P 465 100	03371640	90 332 620	099 23 02	
	3371640			
	3371447	88 860 110	099 WR 04	
	155040601			
	155040611			
	03508334			
P 465 105	0155070810	90 359 600	099 26 00	
	0155070840			
	0155070880			
	03371645			
	03371653			
	03371656			
	C0155070816			
	C0155070820			
	M2D29			
P 465 105	01550708100	90 359 610	099 26 01	
	0155070817			
	0155070860			
	03371655			
	03371657			
	03528205			
P 465 105		90 359 620	099 26 02	
	0155040801	88 100 110	099 WR 05	
	015504815			
	03371449			
P 465 115	02233661	93 472 600	099 83 00	
	02234100			
	02235973			
	02291429			
	04152197			
	04158997			
	2235973			
P 465 115	02233662	93 472 610	099 83 01	
	02234101			
	04159106			
P 465 115	02234087	93 472 620	099 83 02	
	02234102			
	02234078	89 083 110	099 WR 20	14-900040-00
	02290637			
P 465 120	0155071201	91 395 600	099 33 00	350094
	0155071210			
	02133806			

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P 465 120	02133806KZ	91 395 600	099 33 00	350094 87-71323-STD
	02133819			
	02133819KZ			
	02135258KZ			
	02135285			
	02136952			
	02136965UB			
	02136965UB015507			
	02136966			
	02137721			
	02137725			
	04152178			
	2133806			
	2133819			
	2136965UB015507			
	2137721			
	2137725			
	4152178			
P 465 120	0155071220	91 395 610	099 33 01	
	02133458			
	02133735KZ			
	02133807KZ			
	02135288KZ			
	02136958			
	02136967			
P 465 120	0155071230	91 395 620	099 33 02	
	02131469			
	02230292			
	02231469			
	02231471			
P 465 125	02137721	93 535 600	099 01 00	87-71333-STD
	02137725UB			
	02137726			
	02239260			
	04154891			
	04230456			
	04230681			
	04231726			
	04231966			
	04232014			
	04232407			
P 465 125	02137722	93 535 610	099 01 01	
	02137727			
	04230457			
	04230685			
	04231725			
	04231968			
	04232016			
P 465 125	04230458	93 535 620	099 01 02	
	04230687			
	04231970			
	4230687			
P 465 130	02135118	93 168 600	099 86 00	

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 465 130	02230825	93 168 600	099 86 00	
P 465 130	02135119	93 168 610	099 86 01	
	02230826			
P 465 130	02135120	93 168 620	099 86 02	
	02230827			
	0155041101	89 005 110	099 WR 08	14-900080-00
	02101175			
	02137828			
	02231377			
	02231924EC			
	02231927			
	02231975			
	04155956			
	04157756			
	04157763			
	04158559			
P 465 135	02230759	90 237 600	099 36 00	
	02230842			
	02231659			
	02231660			
	02233304			
	02233306			
	02236679			
	02238604			
	02239486			
P 465 135	02230843	90 237 610	099 36 02	
	02230893			
	02231662			
	02231663			
	02233307			
	02236680			
	42520209			
	02230760			
	02238609			
P 465 185	02230349	93 741 600	099 43 00	
	02236681			
	02236691			
	02239482			
	02239499			
	02239500			
	04152183			
	42520098			
P 465 185	02233305	93 741 610	099 43 01	
	02236682			
	02236688			
	02239498			
	02239501			
	04150249			
	04153957			
	04153958			
	04153961			
	04157750			
	04158957			

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P 465 185	04159034	93 741 610	099 43 01	
	04159035			
	04159036			
	04231302			
	4150249			
	4153958			
	4153961			
	4159034			
	02137488	88 684 110	099 WR 09	14-900100-00
	02139501			
	02231928			
	02236370			
	02236804			
	04151158			
	04151928			
	04152141			
	04153439			
	04156586			
	04156769			
	04157409			
	04157560			
	04157763			
	04157764			
	04158563			
	04231508			
	04231513			
	042521812			
	42521812			
P 465 150	0143070810	93 351 700	101 13 00	
	0152070802			
	01520708020			
	0152070804			
	0152070806			
	02913795			
	03365650			
	03365709			
P 465 150	01520708060	93 351 710	101 13 01	
	0152070824			
	0152070830			
P 465 150	01520708070	93 351 720	101 13 02	
	0152070825			
P 465 140	0143070870	90 353 700	101 15 00	87-71490-STD
	0143070940			
	0143070970			
	0152071130			
	0152071152			
	0152071180			
	03358207			
P 465 140	01430709120	90 353 710	101 15 01	
	01430709170			
	0143070950			
	0143070980			
	0152071131			

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P 465 140	03358202	90 353 710	101 15 01	
	03358208			
	3358202			
	3358208			
P 465 140	01430709130	90 353 720	101 15 02	
	01430709180			
	0143070960			
	0143070990			
	0152071132			
	03358203			
	03358209			
	3358203			
	3358209			
P 465 145	0143070706	91 959 600	101 19 00	
	0143070740			
	0143070910			
	01430709100			
	03358195			
	03358204			
	1011900			
P 465 145	0143070729	91 959 610	101 19 01	
	01430709140			
	0143070920			
	01480335A3			
	03358199			
	03358205			
	1011901			
	148335A3			
P 465 145	0143070731	91 959 620	101 19 02	
	01430709150			
	0143070930			
	01480336A3			
	03358200			
	03358206			
	148336A3			
	0152042101	88 113 110	101 WR 02	
	0152042102			
	0152042111			
	0152042112			
	03365321			
	03508322			
P 465 155	0144070106	91 967 600	101 23 00	87-71500-STD
	0144070336			
	0144071210			
	01440717010			
	01440720110			
	02913927			
	02925595			
	03358886			
	03358895			
	1012300			
	2913927			
	2925595			

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P 465 155	3358886	91 967 600	101 23 00	
	3358895			
P 465 155	0144070135	91 967 610	101 23 01	
	0144070339			
	0144071220			
	01440717020			
	02913928			
	02925596			
	03358887			
	03358896			
	1012301			
	2913928			
	2925596			
	3358887			
	3358896			
P 465 155	0144070136	91 967 620	101 23 02	
	0144070341			
	0144071230			
	01440717030			
	02913929			
	02925597			
	03358888			
	03358897			
	1012302			
	2913929			
	2925597			
	3358888			
	3358897			
P 465 160	01015900	92 334 800	101 59 00	87-71508-STD
	02402148			
	02405321			
	02405821			
	02412046			
	02417200			
	02417203			
	02910321			
	2405821			
	2417200			
	2417203			
	2910321			
P 465 160	01015901	92 334 810	101 59 01	
	02405818			
	02412149			
P 465 160	01015902	92 334 820	101 59 02	
	02402150			
	02405819			
	02412048			
	02412150			
	2402150			
	0144040304	88 097 110	101 WR 07	
	0144040312			
	0144040327			
	02408177			

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	03358618	88 097 110	101 WR 07	
	03508320			
	02143277	88 562 110	101 WR 09	
	02406631			
	02413115			
	04186536			
P 465 165	02143451	93 224 600	101 72 00	A350313 87-71512-STD
	02143455			
	02143456			
	02143484			
	02143485			
	02422180			
	02929001			
	04141731			
	04141986			
	04182778			
	2143451			
	2143485			
	2422180			
	2929001			
	4141731			
	4141986			
	4182778			
	42522186			
P 465 165	02147497	93 224 610	101 72 01	
	02422181			
	04141732			
	04141988			
	04182779			
	2422181			
	4141732			
	4182779			
	42520453			
	42522128			
P 465 165	0148075013311	93 224 620	101 72 02	
	02147491			
	02422182			
	04140370			
	04141733			
	04141989			
	04182780			
	2422182			
	4141733			
	4182780			
	42520454			
	42522049			
P 465 180	02422183	93 771 600	101 75 00	A350 813 87-71513-STD
	02422186			
	04141427			
	04141736			
	04146536			
	2422183			
	2422186			

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P 465 180	4146536	93 771 600	101 75 00	A350 813
	42520678			
P 465 180	02422184	93 771 610	101 75 01	
	02422187			
	04141737			
	04146539			
	2422184			
	2422187			
	4146539			
P 465 180	02422185	93 771 620	101 75 02	
	02422188			
	04141738			
	04146542			
	2422185			
	2422188			
	4146542			
P 465 195	0993600			
P 465 196	04151131	93 280 600	56055780	
P 465 200		93 315 600		
P 465 215		93 741 600		
P 470 105	6127312030			AE350873
	6127312040			
P 470 110	6127312012			
	6127312113			
P 470 115	6127312012			
	6127312113			
P 482 105	2101-1004014	91 315 600	448 10 00	
P 482 110	2101-1004015			
P 482 120	21011-1004015-10	91 317 600	448 16 00	
	2111-1004015-10			
P 482 125		93 705 6400		
P 480 100		92 231 600		
		89 386 190		
		89 424 190		
P 480 105		92 425 600		
P 480 110		92 425 600		
P 480 115		93 302 600		
P 480 125		93 301 600		
P 475 120	LFL10103			23601
	LFL10144			
	LFL10145			
	LFL10214			
	FL10232			
	LFL10245			
	FL10246			
	WAM3837-100			SJ4285
	WAM3837-200			
	LCJ10004			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 475 115	RTC3052 ETC6833 ETC6834 ETC6835 ETC6836 RTC4192 RTC4733 RTC6442 RTC644220			A350422V1
P 475 100	RTC2775 RTC419115 RTC419120 RTC419140 ERC2342S ETC4666 ETC4667 ETC4749 520240 520327 564228 564229			350386 (5 RINGS)
	RTC2775 RTC419115 RTC419120 RTC419140 ERC2342S			
P 475 110	ETC4666 ETC4667 ETC4749 520240 520327 564228 564229			350386 (4 RINGS)
P 475 105	500639 500640 500642 608252 608253 ERC8515 RTC4188			20128V3
P 485 100	86K949 86K1259 96K570 96K465 96K471	93 013 600	137 08 00	350269 87-71662-STD
	818122 86K313937 96K200	89 000 110	137 WN 01	SJ351047

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 485 105	86K820			350004
	CMK389			
	36K949			
	37D3106			
	37D424			
	37D426			
	37D427			
	86K1190			SJ351163
P 485 110	412009	90 897 600	137 36 00	A412030 87-71454-STD
	601884			
	607919			
	609653			
	613510			
	613610			
	5079198			
	10889129			
	412016C			
P 485 130	10619486			A350084
P 485 125	HAJ1774			A350394 87-71455-STD
	HAJ2480			
	10907139			
	604107			HJ498400
	10623277			SJ351081
P 485 115	10906793	91 512 600	137 65 00	A464031V1
	10889131			
	120020			
	607921			
	613600			
P 485 120	120080			A350039
P 485 140	96K471			
	60231			SJ221502
	280843/S1			
P 490 105		93 373 600	133 11 00	
P 490 100		94 616 600		
		92 311 600	059 42 00	
		88 627 110	059 WN 09	
P 495 100	57011308			544009
	57013262			
	201700020			
	201700025			
	201700040			
	201700043			
	570132620			
P 495 105				350085
P 545 100	EC10			158809
	JC10			
	JC1015			
P 495 110	20117440			404112
	57010240			
	57010241			
	57010250			
	57010251			
P 495 140	60151141			350343

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 545 105	355803			350254
	358068			
	358069			
	358088			
	358089			
P 495 115	20150851			483506
	57010940			
	57010942			
	57250124			
P 495 120	20180157			350041
	57012840			
P 545 110	359972			350268
P 495 125	57210191			234415
	57210192			
	35119251			
	35119252			
P 495 130	57250141			A350340
P 495 145	57250122			A350341
P 495 135	8425			403110
	804025			
	57410350			
P 495 150				31209
P 505 100		91 404 600		
		88 580 110		
P 505 105	05.87340.0023	91 599 600	227 42 00	
	05.95330.0023			
	05.95340.0023			
	51.02501.7006			
	51.02501.7059			
	51.02501.7136			
	76.76360.0023			
	51.01201.0018	88 301 190		
P 505 110	51.02501.7057	92 666 600	227 54 00	A350284 87-71554-STD
	51.02501.7142			
	51.02501.7157			
	51.01201.0167	88 865 110	227 WT 09	
	51.01201.0171			
	51.01201.0202			
	51.01201.0227			
P 505 165	51 02511 7220	94 412 600	227 33 00	87-71553-STD
	51.02501.0973			
	51.02501.7651			
	51.02501.7652			
	51.02501.7653			
	51.02501.7654			
	51.02501.7655			
	51.02511.7023			
	51.02511.7024			
	51.02511.7025			
	51.02511.7026			
	51.02511.7121			
	51.02511.7123			
	51.02511.7291			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	51.01201.0318	89 339 110	227 WT 39	
	51.01201.0386			
P 505 115	51.02501.0213	92 986 600	228 40 00	A350308 87-71565-STD
	51.02501.0254			
	51.02501.0352			
	51.02501.0365			
	51.02501.0396			
	51.02501.0527			
	51.02501.0536			
	51.02501.0557			
	51.02501.7094			
	51.02501.7094			
	51.02501.7113			
	51.02501.7114			
	51.02501.7158			
	51.02501.7220			
	3.02501.6802			
	3.02501.6808			
	3.02501.6810			
	3.02501.6812			
	3.02501.6815			
	3.02501.6836			
	3.02501.6837			
	3.02501.7863			
P 505 130	51.02501.0554	93 031 600	228 68 00	
	51.02501.0560			
	51.02501.7164			
	51.02501.7223			
P 505 120	51.02501.0306	93 093 600	228 64 00	A350308
	51.02501.0533			
	51.02501.0584			
	51.02501.7135			
	51.02501.7226			
P 505 125	51.02501.0343	92 989 600	228 36 00	A350100 87-71564-STD
	51.02501.0489			
	51.02501.0543			
	51.02501.0590			
	51.02501.7119			
	51.02501.7148			
	51.02501.7199			
	3.02501.6805			
	3.02501.6838			
	3.02501.6840			
	3.02501.7866			
	51.01201.0091	88 853 110	227 WT 15	14-022830-00
	51.01201.0158			
	51.01201.0162			
	51.01201.0221			
	51.01201.0245			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 505 135	3.02501.6851 51.02501.0241 51.02501.0406 51.02501.0416 51.02501.0440 51.02501.0457 51.02501.0458 51.02501.0462 51.02501.4581 51.02501.7021 51.02501.7070 51.02501.7071 51.02501.7125 51.02501.7131 51.02501.7134 51.02501.7191 3.02501.6811 3.02501.6833 3.02501.6839	92 767 600	228 01 00	A350288 87-71567-STD
	51.01201.0199 51.01201.0262 51.01201.0151	88 871 110	227 WT 19	
P 505 140	51.02501.0551 51.02501.0459 51.02501.0466 51.02501.0545 51.02501.0548 51.02501.0696 51.02501.0712 51.02501.6020 51.02501.6021 51.02501.6022 51.02501.6023 51.02501.6025 51.02501.6041 51.02501.7194 51.02501.7233 51.02501.7267 51.02501.7270 51.02501.7273	92 824 600	228 22 00	87-71569-STD
P 505 155	51.02501.0412 51.02501.0430 51.02501.0433 51.02501.0435 51.02501.0437 51.02501.0455 51.02501.0569 51.02501.0578 51.02501.0592 51.02501.0596 51.02501.6024	93 076 600	228 05 00	A350286

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 505 155	51.02501.6025	93 076 600	228 05 00	A350286
	51.02501.6026			
	51.02501.7169			
	51.02501.7173			
	51.02501.7182			
	51.02501.7248			
	51.02501.7261			
	51.02501.7264			
	51.02501.7277			
	51.02501.7280			
	51.02501.7283			
	51.01201.0218	89 056 110	227 WN 32	14-450370-00
	51.01201.0220			
	51.01201.0296			
	51.01201.0313			
P 505 170	51.02501.0371	92 656 600	228 18 00	
	51.02501.0422			
	51.02501.0431			
	51.02501.7166			
	51.02501.7286			
	51.02501.7292			
	93.07660.7286			
	93.07660.7291			
	93.07660.7293			
P 505 160	51.02501.0866	90 300 600	228 94 00	
	51.02501.0887			
	51.02501.0888			
	51.02501.0891			
	51.02501.0892			
	51.02501.0893			
	51.02501.0894			
	51.02501.7556			
	51.02501.7564			
	51.02501.7565			
	51.02501.7570			
	51.02501.7571			
P 505 150	51.02501.0795	90 341 600	228 91 00	87-71575-STD
	51.02501.0798			
	51.02501.7449			
	51.02501.7452			
	51.02501.7463			
P 505 145	51.02501.0708	90 334 600	228 90 00	87-71574-STD
	51.02501.0713			
	51.02501.0812			
	51.02501.6045			
	51.02501.6047			
	51.02501.7087			
	51.02501.7385			
	51.02501.7386			
	51.02501.7387			
P 505 175	51.02501.0964	90 583 600	228 98 00	
	51.02501.7602			
	51.02501.7621			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 505 175	51.02501.7564 51.02501.7603 51.02501.7622	90 584 600	228 98 10	
P 505 220		94 416 600		87-71582-STD
P 505 205		94 394 600		
	51.01201.0309 51.01201.0372 51.01201.0385 51.01201.0391 51.01201.0398 51.01201.0403 51.01201.0404 51.01201.0432	89 186 110	227 WN 37	
P 505 195			228 98 00	87-71576-STD
P 505 215			229 04 00	87-71580-STD
P 510 275	6360300018 6360300718 6360301018 6360302517 6360303717 6360304717 6360305217 6360305717 6360306817 6360307317 6360307817 6810300017	90 278 700	001 29 00	87-70446-STD
	1810110110 6360110010 6360110110	88 530 190	001 WV 06	
P 510 345	1100301317 1100302718 1100303018 1100303417 1100303717 1100304017 1100304118 1100304818 1100305017 1100305218 1100305417 1100306017 1100306018 1100306117 1100306417 1100306917 1100308017 1100308317 1100308617 1100308917	93 582 600	002 33 10	
P 510 335	1100301717 1300300118 1300300418 1300301317 1300301717 1300302117 1300302917	91 427 600	001 75 00	18884

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 335	1300303417 1300303917 1300304417 1300305417 1300305917 1300306817 1300307417 1300308417 1300309217 1300309517 1300309817	91 427 600	001 75 00	18884
P 510 100	6010300717 6010300817 6010301117 6010301517 6010301617 6010301717 6010302117 6010302217	94 674 600	002 11 00	A350853
P 510 110	6150302018 6150302818 6150302918 6150303818 6150306217 6150307818	93 343 600	002 06 00	
P 510 105	6150300517 6150301218 6150301318 6150301718 6150302017 6150302218 6150302318 6150303418 6150303517 6150305617 6150306117 6150306417 6150306617 6150306817 6150307017 6150307817 6150308017 6150309417	92 802 600	001 87 00	A350234
P 510 120	6150300017 6150300218 6150301017 6150301317 6150301417 6150301517 6150301618 6150302118 6150302418 6150303017	92 792 600	001 86 00	A350192 87-70477-STD

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 120	6150305417 6150305817 6150305917 6150307217 6150307417 6150307617 6150308817 6150308917 6150309817	92 792 600	001 86 00	A350192 87-70477-STD
P 510 115	6150303518 6150304818 6150305218 6150305818 6150305918 6150306218 6150306318 6150306418	93 309 600	002 07 00	87-70472-STD
P 510 125	6150302618 6150302718 6150303018 6150309117	92 613 600	001 92 00	A350233 87-70471-STD
	6150110510 6150110910 6150111010 6150111110 6150111210 6150111510	88 588 190	001 WV 03	14-022190-00
P 510 130	1030300118 1030301317 1030302019 1030302117 1030303717 1030303718 1030304118 1030304517 1030304917 1030304918 1030305317 1030306918 1030308017 1030308018	93 810 600	002 19 00	87-70462-STD
P 510 135	1020300219 1020300519 1020300738 1020301038 1020302237 1020302637 1020303000 1020303037 1020306637 1020307337 1020307618 1020307637	93 673 700	002 17 20	87-70470-STD

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	1020308018			
P 510 135	1020308418	93 673 700	002 17 20	87-70470-STD
	1020309918			
	1020301018			
	1020302318			
	1020302418			
	1020302718			
	1020302917			
	1020303118			
	1020303418			
	1020303519			
	1020304018			
P 510 270	1020304719	93 613 700	002 15 00	87-70469-STD
	1020304817			
	1020305017			
	1020305318			
	1020305618			
	1020306818			
	1020307218			
	1020307918			
	1020308417			
	1020308817			
	1020110010	89 342 190	002 WV 06	
P 510 145	1980300117	90 843 600	001 68 00	
P 510 140		94 043 600		
	4031312002	89 196 110	004 WR 06	14-900090-00
		89 308 110		
	6160303517			
	6160304417			
	6160305917			
P 510 150	6160306217	92 800 630	002 44 00	A350232
	6160306317			
	6160306717			
	6170304417			
	6160303917			
	6160304017			
	6160304117			
	6160305217			
	6160305317			
	6160305517			
P 510 155	6160305717	93 444 600	002 49 00	87-70479-STD
	6160305817			
	6160306017			
	6160306417			
	6160306517			
	6160306617			
	6160306917			
	6160301117			
	6160301217			
	6160301317			
P 510 160	6160301417	92 800 600	002 48 00	87-70480-STD
	6160301617			
	6160301717			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 160	6160302017 6160302917 6160303817 6160304917 6160307017 6160309517 6170300217 6170300317 6170301717 6170303817 6180301617	92 800 600	002 48 00	87-70480-STD
P 510 290	6160306417			A350400
	6160110310 6160110510 6160110610 6160110710 6160110810 6160110910 6160111010 6160111110 6160111210	88 681 190	001 WV 04	14-021350-00
P 510 340	1170301917 1170302517 1170303117 1170303717	92 888 600	002 51 00	20844
P 510 165	1150300319 1150302918 1150303518 1150304918 1150305218 1150309118 1150309918	92 931 600	002 60 00	19567
P 510 170	1150300719 1150301019 1150301519 1150301919 1150303218 1150305518 1150305818 1150306418 1150306718 1150307518 1150303818	93 007 600	002 61 00	
P 510 265	1020301618 1020302018 1020303617 1020304017 1020304417 1020304517 1020304618 1020306817	93 495 600	002 70 00	
P 510 175	1020300237 1020300919	93 968 600	002 69 10	

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 175	1020301319	93 968 600	002 69 10	
	1020302038			
	1020306018			
	1020307037			
	1020308719			
	1020309437			
	1020309719			
	1020309737			
P 510 180	3520301419	90 274 800	004 45 10	A350215V1 87-70492-STD
	3520301518			
	3520301519			
	3520301619			
	3520301918			
	3520302519			
	3520302619			
	3520302719			
	3520302919			
	3520303019			
	3520303119			
	3520303317			
	3520303318			
	3520304018			
	3520305618			
	3520306018			
	3520306318			
	3520306418			
	3520306518			
	3520306618			
	3520307818			
	3520308118			
	3520308218			
P 510 180		93 794 700		
P 510 195	3410300017	90 276 700	004 46 00	87-70491-STD
	3520305717			
	3520308617			
P 510 200	3520304419	93 750 600	004 54 00	87-70469-STD
	3520305419			
	3520306419			
	3520308419			
P 510 190	3520300219	93 709 600	004 51 00	A350176V1 87-70490-STD
	3520300519			
	3520302817			
	3520303118			
	3520303519			
	3520304219			
	3520304319			
	3520307518			
	3520307618			
	3520307718			
	3520309217			
P 510 205	3660300017	93 831 600	002 79 00	
	3660302617			
	3660303717			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 205	3660304217	93 831 600	002 79 00	
	3660304717			
	3660306217			
	3660306317			
	3660306817			
	3760301617			
P 510 210	3660300217	93 951 600	002 80 00	
	3660301417			
	3660301517			
	3660302117			
	3660303017			
	3660303117			
	3660303217			
	3760302417			
	3520110310	89 177 190	004 WV 09	SU351281
	3520111610			
	3620110110			
	3620110210			
	3620110310			
	3620110510			
	3620110610			
	3660110410			
	3660110510			
	3660110610			
P 510 215	3600300317	91 573 600		A350118
	3600300417			
	3600301017			
	3600301217			
	3600301317			
	3600301417			
P 510 220	3600300117	93 508 600	005 10 00	
	3600300817			
	3600302417			
	3600110010	89 043 190	005 WV 03	14-024240-00
P 510 225	4030300216	92 306 600	003 45 00	A350228
	4030300617			
	4030302817			
	4030303017			
	4030303117			
	4030303217			
	4030303317			
	4030303917			
	4030304017			
	4030304417			
	4030304717			
	4030304817			
	4030304917			
	4030305117			
	4030370801			
	4030371401			
	4030372701			
	4030373201			
	4030373401			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 225	4030373501	92 306 600	003 45 00	A350228 / 87-70519-STD
P 510 305	4020300617	93 231 600	003 62 00	87-70520-STD
P 510 330	4030300717	93 332 600	003 42 00	87-72590-STD
	4040300337			
	4040300617			
	4040300717			
P 510 300	4070300317	93 802 600	003 43 00	
	4070302817			
P 510 325	4070300817	93 298 600	003 40 00	
	4070301517			
	4070301717			
	4070302217			
	4070303317			
P 510 310	1170306817	93 585 600	002 87 00	20847
	1170307217			
	1170307517			
	1170308317			
P 510 350		92 581 600	004 50 00	87-70495-STD
P 510 365				87-70500-STD
P 510 370	4040300317	93 515 700	003 37 00	
	4040301317			
P 510 375	4040300417	93 516 700	003 38 00	
	4040301217			
	4030111110	89 181 110	003 WN 14	14-452310-00
	4030111610			
	4030112310			
	4030112410			
	4030112510			
	4030112610			
	4030112710			
	4030113210			
P 510 395			003 76 00	87-70529-STD
	4070110510	89 192 110	003 WN 16	14-452370-00
	4070110610			
	4070110910			
	4070111010			
	4070111110			
P 510 230	4220300017	93 484 602	003 66 00	87-70524-STD
	4220301117			
	4220301517			
	4230300817			
	4230301817			
P 510 235	4220301017	93 484 702	003 66 10	
	4230300617			
	4230300716			
	4230301117			
P 510 240	4220300617	93 485 600	003 67 00	
	4230300717			
	4230300917			
	4230301317			
	4230301517			
P 510 245	4420301317	94 361 600	003 93 00	
	4420301717			
	4420301817			
P 510 315	4220300717	90 220 602	003 74 00	
	4220300817			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 510 315	4420300617	90 220 602	003 74 00	
	4420300717			
	4440301017			
P 510 355	4470303817	93 171 600	001 08 00	
P 510 360	4470303117	91 467 600		
	4420110210	89 389 110	003 WN 25	14-452030-00
	4440110110			
	4440110210			
	4270110110	89 390 110	003 WN 26	
	4270110210			
	4270110310			
	4470110110			
	4470110210			
P 510 250	3460300717	90 293 700	003 58 00	
	3460303617			
	3460304617			
	3460305617			
	3460306617			
	3460307117			
P 510 255	3450301017	93 568 600	003 54 00	87-70521-STD
	3450303717			
	3450304217			
	3450304717			
	3550307417			
	3550307917			
P 510 260	3450300017	92 582 600	003 65 00	87-70522-STD
	3450300517			
	3450301517			
	3550301517			
	3550110410	88 869 190	003 WV 09	14-025890-00
	3550110710			
	3550110810			
	3550110816			
P 510 320	4420300017	90 614 600	003 78 00	87-70533-STD
	4420300417			
	4420300517			
	4440300017			
	4440300417			
P 510 405		94 512 600		
P 510 410		94 956 600	003 92 00	
P 510 415		94 681 600		
P 510 420		40 448 600		
	4420110010	89 396 110	003 WN 23	14-456330-00
	4420110310			
	4440110010			
P 525 110	6.225.0.160.002.7	91 005 700	151 35 00	
	6.225.0.160.004.7			
	6.325.0.160.001.7			
	6.325.0.160.002.7			
	6.325.0.160.004.7			
	6.325.8.160.002.7			
	F-120203310050			
P 525 105	6.208.0.160.001.7	91 628 700	151 22 00	
	6.208.0.160.002.7			
	6.208.0.160.004.7			
	6.302.0.160.003.7			
	6.308.0.160.001.7			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 525 100	F231202310010			
	7701008354			
P 525 105	6.308.0.160.002.7	91 628 700	151 22 00	
	6.308.0.160.004.7			
	6.308.0.160.005.7			
	12158462	88 316 110	151 WN 10	
	6.206.0.132.001.4			
	6.207.0.132.001.4			
P 525 110	6 226.8.160.002.7	91 557 700	151 59 00	87-71635-STD
	6.226.0.160.002.7			
	6.226.0.160.003.7			
	6.226.0.160.013.7			
	6.226.0.226.031.7			
	6.226.8.160.003.7			
P 525 115	6.228.0.160.002.7	93 061 600	151 61 00	87-71636-STD
	6.228.0.160.005.7			
	6.228.0.160.013.7			
P 525 120	6.228.0.160.001.7	93 069 600	151 54 00	
	12159364	88 635 190	151 WV 15	
	6.226.0.132.001.2			
P 530 100		97 754 600		
P 535 135	623710	93 867 700	011 27 00	
	623891			
	623894			
	90006906			
	90006916			
	90076905			
P 535 130	624173	93 636 600	011 55 00	
	90140534			
P 535 160	623771	93 637 700	011 56 00	
	90140519			
	90140520			
	90140521			
	90140522			
	90140523			
P 535 100	623021	93 578 600	011 54 00	87-71689-STD
	623804			
	623809			
	90010425			
	90166646			
	90169127	89 161 190	011 WV 04	
	90169128			
P 535 105	623240	90 858 600	011 29 00	
	90285982			
	90349074			
		89 432 190		
P 535 150		93 641 700	011 67 00	
P 535 155		93 108 600	011 64 00	
P 535 140	623051	93 890 600	011 65 00	
P 535 145		93 889 600		
P 535 110	623598E	93 683 600	011 61 00	
	623694			
	623696E			
	90016489			
	90088569			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 535 110	90108366	93 683 600	011 61 00	
	90108087	89 044 190	011 WV 01	
	90169120			
	90169121			
	90169122			
P 535 115	623703	93 956 600	011 88 00	87-71698-STD
	623706			
	623886			
	90006708			
	90006710			
	90080246			
	90108089	89 048 190	011 WV 03	
	90169125			
	90169126			
	X0341208			
P 535 125	623644	93 221 600	011 90 00	20842
	623675			
	90091278			
P 535 165	623978	93 436 600	011 92 00	87-71699-STD
	90008445			
P 375 100	2716930	93 918 700	069 18 10	350083
	2716933			
	2716935			
	2716936			
	2716937			
	2716939			
	2716940			
	7173147			
	7204361			
	7204362			
	7204363			
	7206012			
	7206015			
	7206016			
	9961514			
	9961516			
	9961517			
	9961933			
	9961983			
	91002673			
	91002675			
	91002676			
	7191 818	88 041 190	069 WV 03	SU497301
P 540 220	68318	91 433 600	043 07 00	350305
	83419			
	85016			
	85758			
	89215			
P 540 320	31351454			516003V2
	68383			
	31358117	88 495 190	043 WV 04	
		89 426 190	043 WV 27	
	734127M1			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
	31358116			
P 540 105	LFT10001	91 385 600	043 34 00	A350851 87-71719-STD
	LFT10002			
	LFT10004			
P 540 210				350165V1
	8853792			SU351027
P 540 110	50043	91 127 600	043 15 00	91513
	50044			
	50215			
	53583			
	53585			
	55274			
	55275			
	55316			
	55386			
	55583			
	55585			
	630028			
	630030			
	739845M91			
	530002			SU8900
	530017	88 364 110	043 WV 17	SJ8902
	31358108			
	731595M1			
P 540 115	630079	91 130 600	043 23 00	408104 87-71729-STD
	55778			
	55779			
	57634			
	59634			
	59635			
	630079			
	68306			
	81512			
	81565			
	81566			
	81870			
	81874			
	82113			
	82136			
	734460M91			
P 540 120	59618	92 772 600	043 24 00	350245
	68315			
	68332			
	68335			
	81112			
	82111			
	82137			
	82147			
	86705			
	86706			
	89214			
	734466M91			
	734467M91			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 540 120	743824M91	92 772 600	043 24 00	350245
	748365M91			
P 540 180	89214	93 961 700		350330
	3638405M91			
	742621M91			
	U5LP0034			
	3135F295			
P 540 305	68801			350404
	31354026			
P 540 275	3637513M91	93 970 600		
	U5LP0017			
	31358323	88 363 190	043 WV 07	SU530201
	31358381			
	31358356			SU628201
	3637492M1			
	31358322	88 552 110	043 WT 08	SJ546900
	31358345			
	739043M1			
	31358308	88 362 110		
	732638M1			
P 540 205		93 592 600	043 31 00	
P 540 395	3135J071			87-71735-STD
	3135J072			
P 540 130	68393	93 177 600	043 62 00	
	U5LP0014			
	U5LP0021			
	747541M91			
	748266M91			
P 540 150	U5LP0022	93 562 600	043 59 00	A350794 87-71759-STD
	31355106			
	3637360M91			
P 540 125	68803	93 288 600	043 63 00	A350320
	31355262			
	745379M91			
P 540 135	82158	92 774 600	043 26 00	350003 87-73511-STD
	85024			
	86720			
	86740			
	31354338			
	738871M91			
P 540 270	82279	91 118 600		531102V1 87-71736-STD
	82878			
	82879			
	83414			
	85765			
	735187M91			
P 540 196	U5LL0005			350770
	U5LL0009			
	U5LL0011			
	U5LL0012			
	U5LL0013			
	U5PR0013			
	U5PR0034			
	U5PR0040			
P 540 160	86721	92 085 600	043 60 00	350018V1 / 87-71739-STD
	738249M91			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 540 225	86726			350328
	738368M91			
P 540 245	86745			
	68512			
	3637280M91			
	3641425M91			
P 540 310	U5LP0047			
	31358325	88 356 110	043 WT 13	SJ351150
	31358328			
	31358332			
	31358334			
	31358394			
	31358441			
	736507M3			
	744948M1			
	31358339			
	31358349			
	31358351			
	31358361			
	31358393			
	744131M1			
	31358324	88 354 190	043 WV 11	SU538101
	31358306			
	31358331			
	734644M1			
	3135X032			SJ351342
	3637032M1			
	3637332M1			
	3135X031	89 514 190		
	3637331M1			
P 540 190	U5LL0008			A350769
	U5LL0010			
	U5LL0015			
	U5LL0017			
	U5PR0016			
	3637035M91			
	3638989M91			
P 540 195	3640593M91			
P 540 140	U5LL0005			
	U5LL0009			
	U5LL0011			
	U5LL0012			
	U5LL0013			
	U5PR0013			
	U5PR0034			
	U5PR0040			
P 540 230		93 267 600		
P 540 250	U5LP0057	94 543 600		87-73514-STD
	3135J241			
	3135J242			
	3135J243			
	4222137M91			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 540 250	3135X042	94 543 600		SJ351306
	748216M1			
	3135X063	89 527 190		
P 540 165	86780	92 144 800	043 30 10	350322
	86940			
	89207			
P 540 175		93 175 600		
P 540 170	U5LP0009	93 569 600	043 30 00	350847
	3135J041			
	747050M91			
	31358352			SJ351166
	742466M1			
	3135X034			
	3637334M1			
	31358343	88 587 190	043 WV 14	SU351026
	737214M1			
	31358346	89 022 190	043 WV 20	SU351078
	740571M1			
	3135X033			
	3637333M1			
	U5LP0058B			
	U5LP0058D			
P 540 370	U5LP0058			87-73515-STD
	4222949M91			
P 540 395				87-71735-STD
P 540 285	92508			A350325
	31358905			SJ351207
P 540 200	86716			350034
	738106M91			
	31358534			SJ351192
	745991M1			
	31358533			SU351193
	745990M1			
P 540 405	4115P011	40 235 600		
P 540 415	4115P015	40 234 600		
P 540 265	89206	92 085 600		
P 540 300	86723			
P 540 340	540410	58141		
P 540 425	68814	93 368 600		
P 540 465	3135J216			87-73543-STD
P 550 100	0114L6	91 388 600	039 60 00	PI4261300
		89 438 110	039 WN 27	CH5326200
P 550 105	0114L7	91 390 600	039 59 90	PI663600
P 550 110	011125	90 052 600	039 58 00	PI0321208
	0114C5			
		89 194 110	039 WN 20	CH5325200
P 550 225	9606785780	90 956 600	039 63 00	PI2801100
		89 419 110	039 WN 28	CH337200
P 550 115	011440	93 427 600	039 71 00	PI0141208
	011456			
	0114A4			
	0114G2			
P 550 230	11081	93 272 600	039 69 00	
	11439			
	11493			
	0114A2			
	0114GO			
		89 027 110	039 WN 18	CH5238200
P 550 120	011052	92 586 600	039 70 90	
	011144			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 550 120	011413	92 586 600	039 70 90	
	011430			
	7932564804	88 844 110	039 WN 07	CH5194200
P 550 125	011454	93 296 600	039 75 00	PI1271100
	7932567997	89 068 110	039 WN 19	CH5207200
P 550 130	062617	93 784 600	039 78 00	BP1285400 / 87-71772-STD
		89 316 190	039 WV 23	
P 550 150	062815	93 648 600	039 24 00	BP1751400
		89 184 190	039 WV 21	
P 550 135	0114P2	91 017 600	039 81 00	
	0114T8			
P 550 145	011125	93 846 600	039 76 00	PI1611100
	011141			
	011479			
	0114E8			
	0114N5			
P 550 140	0114E7	90 486 600	039 80 00	
	0114F1			
	0114N9			
P 550 225	0114P0	90 382 600	039 79 90	
		89 301 110	039 WN 24	CH5305200
P 550 155	011022	92 409 600	039 25 00	
	011096			
	011181			
	011445			
	011486			
	011487			
	011496			
	0114H6			
	0114H8			
	0114R0			
	7773445			
		88 634 110	039 WN 10	CH5137200
P 550 160	011109	91 115 700	039 29 00	FP 695120
	011113			
P 550 165	011011	91 518 700	039 33 00	
	011023			
	011097			
	011169			
	011180			
	0113440			
	0113442			
	011448			
	011485			
	0114H5			
	0114P9			
P 550 170	011012	91 136 600	039 27 00	
	011170			
	6953430			
		88 352 110	039 WN 11	
P 550 175	011002	93 428 600	039 57 00	
	011444			
	011447			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 550 175	0114J2	93 428 600	039 57 00	
P 550 180	011003	93 316 600	039 53 00	
	011065			
	011099			
	011421			
	011435			
	011443			
	011446			
	011488			
	0114E6			
	0114J1			
	0114J3			
	0114J4			
	0114R5			
	0114R6			
	0114R7			
	0123420			
P 550 185		90 820 600	039 53 00	
		88 589 110	039 WN 13	
P 550 235	011152	90 063 600	039 43 00	
		89 334 110	039 WN 25	
P 550 190	7932566291	92 791 600	039 54 00	FP 719420
	010975	88 524 110	039 WN 12	
	7562976000			
	7932562976			
	79375629760			
	7581425000	88 214 110	523 WN 03	
P 550 195	0011473	92 721 600	039 41 00	FP 786440
	7932566259			
	7581545000	88 510 110	039 WN 15	
P 550 200	062384	93 844 600	031 82 00	
		89 073 190	031 WV 16	
P 550 205	062361	93 625 600	039 51 00	87-71763-STD
P 550 215	062347	92 598 600	039 48 00	FP 129130
P 550 220	062359	93 520 600	039 50 00	87-71762-STD
	062364			
P 550 210	062333	93 703 600		
	062638			
	011139	89 033 190	039 WV 16	
	7932582427B			
P 552 100	4127159	90 395 600	007 52 00	IP 665384
	4127160			
	4127161			
	5880165			
	5880695			
	5880696			
	5880697			
	70016760			
	70016780			
	901931			
	901932			
	901933			
	901978			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 552 100	901979	90 395 600	007 52 00	IP 665384
	901980			
P 555 110		94 457 600	228 72 00	
	3.01201.0817	89 446 110	227 WT 45	
P 560 100	9806243	91 166 700	021 20 00	FP 798210
		88 385 110	021 WN 04	CH1914200
P 560 105	7246804	92 073 600	021 22 00	PI7981108
	7701458345			
	7701465304			
	7983440			
		88 574 110	021 WN 05	CH5107200
P 560 110	6863445	92 547 600	021 23 90	
	7701453290			
	7701454413			
	7701455351			
	7701459390			
	7701465308			
	0555485900	88 387 110	021 WN 07	
P 560 115	0996001150	93 695 600	021 75 00	PI7131108
		88 384 110		CH1921200
P 560 125	7701454136	91 650 600	021 34 00	FP 789110
	7700500227	88 544 110	021 WN 09	CH5085200
P 560 130	7701462153	93 696 800	021 76 00	
	7701465263			
	7701465308			
	7700564872	89 060 110	021 WN 23	
	7007314		021 32 00	
	7323440			
	7323443			
	7701451765			
	7701451767			
	7701451770			
			021 WN 11	
		88 633 110		
P 560 140	7701616607	93 783 600	021 90 00	87-71850-STD
P 560 145	7701629626	90 468 600	021 08 00	87-71851-STD
		89 318 190	021 WN 21	
P 560 150				PI0303108
P 560 170		92 006 600	021 93 00	
				CH2333100
P 560 165	7701616730	93 791 600	021 82 00	
P 560 155	7701461337	93 523 600	021 81 00	
	7701465117			
	7701466304			
		89 309 110	021 WN 29	
P 560 160	7701466305	90 436 600	021 84 00	
P 580 100	6993122	91 404 600	59 270 00	
P 585 100	383146	90 224 600	061 62 00	

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 585 120	258664	93 152 600	061 61 00	A350173
	275706			
	309989			
	313272			
	313272.7			
	9002008			
P 585 125	257707	93 151 600	061 60 00	
	275707			
	275767			
	276114-6			
	313273.5			
P 585 100	1115727	90 221 600	061 63 00	
	362158			
P 585 110	1115729	90 738 600	061 64 00	87-71892-STD
	1332749			
	394404			
P 585 180	258664			A350768 / 87-71895-STD
P 585 130	139923	91 225 600	061 19 00	
	168124			
	270926			
P 585 190	153578	91 208 600	061 20 00	A430003
	162798			
	168112			
	169743			
	173780			
	180480			
	235883			
	270925			
P 585 115	153578	91 208 600	061 20 00	A430003
	162798			
	168112			
	169743			
	173780			
	180480			
	235883			
	270925			
	245398	89 088 110	061 WN 08	SJ351106V1
	131612	88 402 110	061 WN 01	
	168081			
P 585 115	228110	88 402 110	061 WN 01	
	243817			
	1319247	89 385 110	061 WN 11	SJ351292
	348967			

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 585 135	170962 170963 170983 170984 170985 170986 212021 212022 231223 231224 231227 231228 235903 235904 235907 243733 243734 245683 245684 253043 253044 253325 253326 257787 257788 257793 257794 261607 271133 271134 271137 271138 275689 276528 295099 329694 348542 358360 358376 364987 700090 700091	93 938 600	061 36 00	A350751
P 585 140	372112	90 733 600	061 37 00	A350752 / 87-71908-STD
P 585 175				A350751
P 585 150	228429 232613 253135 253137 307080	93 399 600	061 34 00	A350151 87-71903-STD

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PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 585 150	307081	93 399 600	061 34 00	A350151 / 87-71903-STD
	307082			
P 585 160	1121015	93 398 600	061 35 00	A350315 87-71904-STD
	228431			
	228432			
	232614			
	253136			
	253138			
	305215			
	305216			
	307027			
	307079			
	353017			
	357014			
	357015			
	397070			
	397071			
	700086			
	79245700			
P 585 215	353071	90 759 600	061 38 00	A350499 87-71906-STD
	397408			
	397412			
P 585 225	551357	90 712 600	061 01 90	
P 585 165	397070			A350315V2
P 585 145	159774	91 229 600	061 26 00	A350109
	159776			
	168106			
	168109			
	175743			
	178819			
	178822			
	178825			
	180529			
	205668			
	229139			
	229141			
	229151			
	229457			
	229464			
	246737			
	268391			
	268392			
P 585 155	179404	91 405 600	061 27 00	A350110
	180454			
	180532			
	182544			
	183391			
	203779			
	204021			
	229142			
	229144			
	229149			
	229458			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 585 155	229459	91 405 600	061 27 00	A350110
	229461			
	229466			
	229468			
	229469			
	229470			
	230053			
	230056			
	235589			
	235590			
	235591			
	235592			
	235593			
	235596			
	268394			
	268396			
				A350801 / 87-71910-STD
	170690	88 568 110	061 WN 13	SJ351137
	230151			
	231276			
	239151			
	374801	89 411 110	061 WN 12	SJ351293
	1118368	89 366 110	061 WN 10	
	273759			
	363302			
P 585 170	1114035	89 367 110 (88 880)	061 WN 09 (061 WN 08)	SJ351095V1
	1302095			
	235828			
	295053			
	348889			
	363301			
	551459			
	245398			
	79245643			
	1120689	88 414 110	061 WN 04	
	156000			
	219938			
	230150			
	363305			
	1305095	89 439 110	061 WN 14	
P 590 100		92 914 600	007 22 00	
P 595 105	40800030003	90 912 600	321 09 00	
	40800030005			
	40800030024			
P 595 110	40800030023	93 192 600	321 75 00	
	40800030700			
	40800030701			
P 595 125	61060030002	93 230 600	321 44 00	
	61160030002			
	61160030001			
	61160030701			
	407040029	89 006 110	321 WN 15	
	4070429			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 595 125	40800040032	89 006 110	321 WN 15	
P 595 115	40900030001	92 158 600	321 85 00	
	40900030002			
	409030001			
	410T030701			
	410T030702			
	410T030703			
	410T030704			
	410T00030701			
	410T00030702			
	410T00030703			
	410T00030704			
	61000030008			
	61000030009			
	61000030704			
P 595 120	61060030010	92 575 600	321 88 00	
	61060030702			
	6106003702			
	609F040001	88 426 110	321 WT 05	
	609F0401			
P 605 100	319231408280	93 233 600		
	341090202			
	442010520334			
	341000200	89 350 110		
	442010010144			
P 615 100		91 476 600	007 85 00	87-70754-STD
		88 593 190	007 WN 07	
P 615 105		91 663 700	495 20 00	87-72112-STD
P 615 110				87-72111-STD
	10301106	88 553 110	495 WN 01	
	1090301106R			
P 635 125	068107065	93 085 600	029 80 00	A350178
	068107065A			
	068107065AN			
	068107065B			
	069107065B			
P 635 100	068103101E	93 260 600	029 55 00	A350821 87-72187-STD
	068107065AB			
	068107065AH			
	068107065AJ			
	068107065BA			
	068107065BC			
	068107065D			
	068107065E			
	068107065F			
	068107065H			
	069107065			
	069107065C			
	075107101H			
	E70700			
P 635 110	068107071AD	93 479 600		
	068107071AP			
	068107071B			
	068107071C			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 635 110	068107071G	93 479 600		
P 635 120		93 434 600	029 56 00	
P 635 105	068107081AC	93 541 630	029 55 21	
	068107081AK			
	068107081AQ			
	068107081E			
	068107081R			
	068107081S			
	06810781G			
	069107081C			
	075107107E			
P 635 115		93 687 630	029 79 02	
		89 163 600	029 WV 13	
P 635 130		93 039 600	034 63 00	
P 635 160	028107065CF	91 386 600	029 82 00	
	028107065F			
	028107101H			
	028107101J			
	028107101N			
P 635 165	028107065H	91 429 600	029 96 00	
P 635 170	033 107 065	93 921 600	029 81 00	
		89 434 190	029 WV 20	
P 635 140	026107065B	93 928 600	034 75 00	87-72194-STD
	026107065D			
	026107065P			
	026107065R			
P 635 150	026107065C	93 875 600	034 78 00	
	026107065H			
	026107065Q			
P 635 155	026107065E	93 871 600	034 53 00	
P 620 100	272085	90 732 600	029 79 00	
	272086			
		89 163 190	029 WV 13	
P 620 105	275 024	91 355 600	037 41 90	
	275 037			
	727 502			
	727 502 4			
	727 503			
P 620 110	411650	91 357 600	037 39 00	A351171
	411653			
	411654			
	411655			
	411656			
	411657			
	503326			
	420090	88 470 110	037 WN 06	
	420094			
P 620 115	270566	93 114 600	037 64 00	
	272118			
P 620 120	271329	93 116 600	037 66 00	
	272122			
P 620 125	275049	93 154 600	037 43 00	
	275065			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 620 125	275388	93 154 600	037 43 00	
P 620 130	465290	93 153 600	037 44 00	
P 620 135	275057	93 474 600	037 42 00	87-72216-STD
	275066			
	275389			
	420534	89 352 110	037 WN 27	
	465808			
	465 170 P 06	89 016 110	037 WN 07	14 400 510
P 620 140	466070	91 354 600	037 53 00	A350133
	466071			
	466072			
	466073			
	466074			
	466075			
	466076			
	7466070			
P 620 125	421110	91 353 600	037 54 10	A350130
	421111			
	421112			
	421113			
	421114			
	421115			
	466080			
	466081			
	466082			
	466083			
	466084			
	466085			
	466086			
	533124			
P 620 275	466320	93 166 600	037 55 10	A350157
	466321			
	466322			
	466323			
	466324			
	466325			
	466326			
	421430P04	88 868 110	037 WN 11	14 573 140
	421431A			
	421432D			
	421433C			
	421434D			
	421435E			
	466260A			
	466260P05			
	466260PO3			
	466261A			
	466262B			
	466263C			
	466264D			
	466265E			
	466266F			
	471710	89 370 110	037 WN 26	SJ351291

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 620 155	275038	91 360 600	037 73 00	A350132
	422090P06	88 476 110	037 WN 18	SJ351088
	422093			
	540167			
P 620 200	422910	93 660 600	037 77 10	
	469920			
P 620 205	275068	93 734 600	037 76 90	
	275077			
	275083			
	275396			
P 620 210	422534	93 334 600	037 75 00	A350158
	467420			
	467421			
	467422			
	467423			
	467424			
	467425			
	467426			
	1545045	89 175 110	037 WN 23	SJ351216V1
	467380P06	89 087 110	037 WN 21	
	479600	89 427 110	037 WN 34	SJ351294
	479604			
P 620 215		91 359 600	037 74 00	87-72225-STD / A350131
P 620 280	275634	90 081 600	038 05 00	87-72235-STD
P 620 285			038 37 93	
P 620 165	423310	93 250 600	037 82 00	A350186 87-72229-STD
	468750			
	468751			
	468752			
	468753			
	468754			
	468755			
	468756			
	468757			
P 620 235	423310	93 250 600	037 82 00	A350186
	468750			
	468751			
	468752			
	468753			
	468754			
	468755			
	468756			
	468757			
P 620 170	468590	93 249 600	037 83 00	A350307 87-72236-STD 87-72228-STD
	468591			
	468592			
	468593			
	468594			
	468595			
	468596			
	468597			
P 620 175	470170	93 369 700	038 01 00	87-72230-STD
	470174			
	470954			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 620 175	478181	93 369 700	038 01 00	
	478182			
	478191			
	478192			
P 620 245	470170	93 369 700	038 01 00	
	470174			
	470954			
	478181			
	478182			
	478191			
	478192			
P 620 195		90 741 600	037 98 00	
P 620 185	478101	90 924 600	038 04 00	
	478102			
	478110			
	478190			
	478191			
	6770			
P 620 255	478101	90 924 600	038 04 00	
	478102			
	478110			
	478190			
	478191			
	6770			
P 620 180	275635	90 925 600	038 01 00	
P 620 250	275635	90 925 600	038 01 00	
P 620 160	423370	92 644 600	037 80 00	
P 620 230	423370	92 644 600	037 80 00	
	275051	89 084 110	037 WN 22	SJ351115V1
	468836			
	540351			
	545671			
	470286	89 328 110	037 WN 25	SJ351295
	478140	89 399 110	037 WN 30	SJ351296
	478149			
P 630 100	787044	93 371 600	331 10 00	350078
P 630 115	787808	93 173 600	331 08 00	
P 630 105	787802	93 174 700	331 09 00	
P 630 120		93 544 600	331 12 00	
P 630 125		93 545 600	331 06 00	
	000001191	88 602 110	331 WN 02	
	785928			
	785929			
P 630 110	781218	90 147 600	331 11 00	350081
	781220			
	772797	88 045 110	331 WN 03	
	780565			
P 640 100	0001300117	91 362 600	205 18 00	
	0001300417			
	07922000064			
	4110046202			
	4115036202			
	7922000064			

O.E.M. Listesi / O.E.M. Number

PİSTONSAN NO	O.E.M. NUMARASI *O.E.M. NUMBER*	KS NUMARASI *KS NUMBER*	MAHLE NUMARASI *MAHLE NUMBER*	AE NUMARASI *AE NUMBER*
P 640 110		91 368 600	205 24 00	87-72245-STD
P 640 115	0001300017	91 367 600	205 26 00	87-72244-STD
	05322000064			
	248368			
	4110036202			
	4110036212			
	4110416202			
	4110416222			
	4115016202			
	4115226202			
	4115226212			
	4115226222			
	5322000064			
	8701335582			
P 640 120	4111426202	94 086 600	205 37 00	
P 640 125	0001300817	92 353 600	205 36 00	
	0001301117			
	4110426202			
	4110426204			
	4110576202			
P 650 100	55010305	93 725 600	595 05 00	
	55010334			
	3950116	88 480 110	595 WN 01	
	950116			
P 650 105	59010382	93 726 600	595 09 00	
	67010331			
	67010335			
	59010156	88 829 110	595 WN 02	
	67010124			
P 650 110	5951200	93 285 600	595 11 00	
	72010303			
	11801105	89 058 110	595 WN 04	
	69010153			
	69010168			
P 650 115	80003021	91 642 600	595 15 00	
	80003023			
	280002002	88 877 110	595 WN 03	
	80002002			

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 420 515	52P01	52,00	FIAT	30,5	-	-	55,5	14,99	1	92
P 640 135	54P01	54,00	WESTINGHOUSE	24,5	-	-	51,5	13,5	1	399
P 560 100	58P01	58,00	RENAULT	30	-	-	64	14	1	334
P 560 105	58P02	58,00	RENAULT	30	-	-	64	16	2	334
P 640 100	60P01	60,00	WESTINGHOUSE	27	-	-	54	15	2	399
P 485 155	63P01	63,00	LEYLAND	43,8	-	3,65	75,1	23,812	1	206
P 800 100	63P02	63,50	SMART	27	50,5	2,75	43,95	16	1	364
P 420 100	65P01	65,00	FIAT	30,75	-	-	61,25	19,99	2	92
P 560 110	65P02	65,00	RENAULT	40	-	-	73,1	18	3	334
P 590 100	65P03	65,00	SEAT	32,5	-	-	63	19,99	1	362
P 590 105	65P04	65,00	SEAT	31,65	-	2,45	62,15	19,99	2	362
P 600 100	65P05	65,00	SUZUKI	25	-	-	55,2	16	1	368
P 800 105	65P06	65,50	SMART	36	38,7	11,1	60	23	2	364
P 500 325	66P01	66,50	LOMBARDINI	25,2	54,5	3,3	41,68	16	1	219
P 485 150	66P02	66,68	LEYLAND	22	-	-	44,4	11,11	2	206
P 485 165	66P03	66,68	LEYLAND	22	-	-	44,4	13	3	206
P 805 115	67P03	67,00	KUBOTA	32,67	-	-	59,15	20	1	196
P 420 550	67P04	67,40	FIAT	38	-	-	74,7	20	3	92
P 420 280	68P01	68,00	FIAT	46	-	-	72	21,99	4	93
P 420 415	68P02	68,00	FIAT	42,85	-	-	76,83	20	5	93
P 815 100	68P03	68,50	HONDA	22,55	54,2	-	47,55	15	1	148
P 600 105	68P04	68,50	SUZUKI	25	-	3	55,2	16	2	368
P 355 155	69P01	69,51	AUDI	40,2	60	4	67,2	20	1	46
P 420 380	70P01	70,00	FIAT	33,85	-	0,5	57,65	17,99	6	93
P 550 100	70P02	70,00	PEUGEOT	33,9	-	-	58	18	1	318
P 560 115	70P03	70,00	RENAULT	40	-	-	68	18	4	335
P 420 455	70P04	70,80	FIAT	27,95	59	1,4	47,95	17,97	7	94
P 560 120	71P02	71,50	RENAULT	37,2	-	-	62,5	20	5	335
P 420 395	72P01	72,00	FIAT	50,84	-	-	88,26	20	8	94
P 420 465	72P02	72,00	FIAT	45,5	-	-	88,45	22	9	94
P 805 130	72P03	72,00	KUBOTA	29,81	-	-	56,31	20	2	196
P 805 140	72P04	72,00	KUBOTA	35,41	-	-	65,66	20	3	196
P 500 175	72P05	72,00	LOMBARDINI	37	40	4	58	18	2	219
P 500 415	72P06	72,00	LOMBARDINI	37	37	4,2	58	18	3	219

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 520 135	72P07	72,00	MITSUBISHI	30,56	-	5,6	51,56	18	1	275
P 550 105	72P08	72,00	PEUGEOT	40	-	-	67	19,5	2	318
P 550 110	72P09	72,00	PEUGEOT	40,05	-	-	73,7	19,5	3	318
P 607 100	72P10	72,00	TAVRIA	37	-	7,5	67,6	-	1	370
P 610 100	72P11	72,00	TOYOTA	36	-	-	72	18	1	371
P 420 285	73P01	73,00	FIAT	37,75	-	-	80,5	21,99	10	95
P 560 125	73P02	73,00	RENAULT	37,5	-	-	62,95	20	6	335
P 560 175	73P03	73,00	RENAULT	37,5	-	3	62,5	20	7	336
P 535 190	73P04	73,40	OPEL	23	52	1,25	44	18	1	285
P 420 545	73P05	73,50	FIAT	40	-	-	79,5	20	11	95
P 350 145	74P01	74,00	ALFA ROMEO	32,16	-	-	79,16	20	1	38
P 405 140	74P02	74,00	CITROEN	34,9	-	-	77,4	20	1	67
P 425 275	74P03	74,00	FORD	38,4	-	-	64,4	20,634	1	126
P 355 160	75P01	75,00	AUDI	38,55	-	-	66,55	20	2	46
P 810 100	75P02	75,00	FED	60	-	13	105	25	1	90
P 435 100	75P03	75,00	HATZ	48,5	-	-	87,5	25	1	144
P 472 125	75P04	75,00	KOMSAN/GRASSO	35	-	-	65	15	1	193
P 805 120	75P05	75,00	KUBOTA	35,48	-	-	65,55	20	4	197
P 475 120	75P06	75,00	LAND ROVER	30,6	-	-	54	18	1	204
P 500 290	75P07	75,00	LOMBARDINI	35,5	-	4	56,4	20	4	220
P 510 275	75P08	75,00	MERCEDES-BENZ	45	52,4	3,9	89	22	1	253
P 535 135	75P09	75,00	OPEL	35,8	-	6,8	62,4	20	2	285
P 535 180	75P10	75,00	OPEL	35,8	-	5,4	62,4	20	3	285
P 550 225	75P11	75,00	PEUGEOT	43	-	1,5	68,96	23	4	319
P 550 265	75P12	75,00	PEUGEOT	27,9	-	-	49,65	17,975	5	319
P 610 105	75P13	75,00	TOYOTA	36	-	-	75	18	2	371
P 640 105	75P14	75,00	WESTINGHOUSE	35	-	-	65	15	3	399
P 640 110	75P15	75,00	WESTINGHOUSE	35	-	-	65	15	4	400
P 640 115	75P16	75,00	WESTINGHOUSE	35	-	-	85	15	5	400
P 640 130	75P17	75,00	WESTINGHOUSE	32,156	-	-	52,781	15,87	6	400
P 635 175	75P18	75,01	VOLKSWAGEN	42,87	-	-16,6	69,87	20	1	374
P 690 105	75P19	75,50	HYUNDAI	29,4	-	3,7	58,8	18	1	149
P 560 180	75P20	75,80	RENAULT	31,7	-	-	52,7	19	8	336
P 420 105	76P01	76,00	FIAT	35,55	-	4	76,05	21,99	12	95

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 420 110	76P02	76,00	FIAT	35,55	-	3,2	76,05	19,99	13	96
P 420 115	76P03	76,00	FIAT	47,15	-	-	79,15	21,99	14	96
P 420 275	76P04	76,00	FIAT	38,45	-	-	77,95	21,99	15	96
P 420 480	76P05	76,00	FIAT	36,95	64,7	4,65	62,2	22	16	97
P 805 100	76P06	76,00	KUBOTA	43,5	-	-	80	23	5	197
P 482 105	76P07	76,00	LADA	38	-	-	77	21,99	1	199
P 482 110	76P08	76,00	LADA	38	-	-	77	21,99	2	199
P 500 100	76P09	76,00	LOMBARDINI	32,7	-	-	57,7	15	5	220
P 520 140	76P10	76,00	MITSUBISHI	34,5	-	1,46	64,5	21	2	275
P 560 130	76P11	76,00	RENAULT	37,7	-	-	63,7	20	9	336
P 560 135	76P12	76,00	RENAULT	42	-	-	69	20	10	337
P 420 365	76P13	76,05	FIAT	38,45	-	-	77,87	21,99	17	97
P 495 100	76P14	76,20	LISTER	65,151	29,8	15,418	103,188	25,4	1	212
P 495 105	76P15	76,20	LISTER	65,138	29,8	15,367	103,175	25,4	2	212
P 545 115	76P16	76,20	PETTER	54,85	36,5	18,25	92	27	1	316
P 355 100	76P17	76,51	AUDI	41,7	-	1,6	71,7	24	3	46
P 635 100	76P18	76,51	VOLKSWAGEN	41,7	-	-1,6	71,7	24	2	374
P 635 110	76P19	76,51	VOLKSWAGEN	41,7	-	-1,6	71,7	24	3	374
P 635 120	76P20	76,51	VOLKSWAGEN	41,7	-	-1,6	71,7	24	4	375
P 635 125	76P21	76,51	VOLKSWAGEN	44,9	-	-1,8	76,9	22	5	375
P 635 180	76P22	76,51	VOLKSWAGEN	30,85	-	7,8	52,85	17	6	375
P 635 185	76P23	76,51	VOLKSWAGEN	28,92	62	1,98	58,5	17	7	376
P 620 100	76P24	76,51	VOLVO	41,7	-	1,6	71,7	24	1	381
P 355 105	77P01	77,00	AUDI	41,45	-	1,6	71,7	24	4	47
P 420 520	77P02	77,00	FIAT	45	-	-	79,95	22	18	97
P 420 555	77P03	77,00	FIAT	40	-	-	79,5	20	19	98
P 552 100	77P04	77,00	POLSKI	36,5	-	-	89	22	1	331
P 635 105	77P05	77,01	VOLKSWAGEN	41,45	-	-1,6	71,7	24	8	376
P 635 115	77P06	77,01	VOLKSWAGEN	41,7	-	-1,6	71,7	24	9	376
P 350 100	78P01	78,00	ALFA ROMEO	33,7	-	-	82,5	22	2	38
P 420 290	78P02	78,00	FIAT	38,55	-	-	78	21,99	20	98
P 420 295	78P03	78,00	FIAT	38,45	-	-	77,95	21,99	21	98
P 805 125	78P04	78,00	KUBOTA	36,32	-	-	69,52	22	6	197
P 480 130	78P05	78,01	LANCIA	38,65	-	-	84,25	22	1	201

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 500 170	78P06	78,00	LOMBARDINI	44	36	11	72	20	6	220
P 500 450	78P07	78,00	LOMBARDINI	44	37,3	13,77	71,5	20	7	221
P 515 120	78P08	78,00	MAZDA	38,5	-	-	75,4	20	1	251
P 520 120	78P09	78,00	MITSUBISHI	43	-	-	80	23	3	275
P 550 115	78P10	78,00	PEUGEOT	36,1	-	-	73,1	20,5	6	319
P 550 120	78P11	78,00	PEUGEOT	40	-	1,8	82,55	22	7	320
P 550 230	78P12	78,00	PEUGEOT	36,1	-	-	72,7	20,5	8	320
P 560 140	78P13	78,00	RENAULT	47,25	-	1,5	74,5	24	11	337
P 560 145	78P14	78,00	RENAULT	47,25	-	1,5	74,5	24	12	337
P 675 115	78P15	78,00	RUGGERINI	35,16	12,4	-	72	20	1	342
P 482 115	79P01	79,00	LADA	38	-	-	77	21,99	3	199
P 482 120	79P02	79,00	LADA	38	-	2	77	21,99	4	200
P 482 125	79P03	79,00	LADA	37,8	-	7,02	76,8	21,99	5	200
P 560 150	79P04	79,00	RENAULT	41,1	-	4,8	66,5	21	13	338
P 540 100	79P05	79,37	PERKINS	50,21	-	-	88,2	27	1	293
P 540 220	79P06	79,37	PERKINS	50,2	-	-	88,2	26,99	2	292
P 540 255	79P07	79,37	PERKINS	50,12	-	-	104,8	26,99	3	292
P 540 260	79P08	79,37	PERKINS	50,12	-	-	104,8	26,99	4	293
P 540 320	79P09	79,37	PERKINS	50,12	-	-	105,18	26,99	5	293
P 440 230	79P10	79,375	IHC	44	-	-	88	23,355	1	151
P 355 110	79P11	79,51	AUDI	40,7	60	8,3	72,7	22	5	47
P 355 165	79P12	79,51	AUDI	41,8	63	6,1	73,8	22	6	47
P 355 170	79P13	79,51	AUDI	39,65	-	1,9	65,65	24	7	48
P 355 175	79P14	79,51	AUDI	45,65	-	1,9	71,65	26	8	48
P 355 185	79P15	79,51	AUDI	39,796	37,85	17,77	60,76	24	9	48
P 635 130	79P16	79,51	VOLKSWAGEN	40,7	60	-8,3	72,7	22	10	377
P 635 160	79P17	79,51	VOLKSWAGEN	39,65	-	-1,9	65,7	24	11	377
P 635 165	79P18	79,51	VOLKSWAGEN	45,65	-	-1,9	71,7	26	12	377
P 635 170	79P19	79,51	VOLKSWAGEN	41,7	-	-1,6	71,7	24	13	378
P 350 105	80P01	80,00	ALFA ROMEO	33,25	-	-	80,1	22	3	38
P 405 100	80P02	80,00	CITROEN	46,8	-	2	84,5	25	2	67
P 420 120	80P03	80,00	FIAT	34,7	-	2,6	77,3	21,99	22	99
P 420 300	80P04	80,00	FIAT	37,75	-	-	79,8	21,99	23	99
P 420 385	80P05	80,00	FIAT	38,89	-	-	67,22	21,99	24	99

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 420 560	80P06	80,00	FIAT	28,5	-	-	63,5	14	25	100
P 425 180	80P07	80,00	FORD	33,1	-	1,8	63,059	20,63	2	126
P 435 105	80P08	80,00	HATZ	56	-	-	92	30	2	144
P 500 205	80P09	80,00	LOMBARDINI	40	40,85	12	75	22	8	221
P 500 210	80P10	80,00	LOMBARDINI	40	40,7	11,9	88	22	9	221
P 500 235	80P11	80,00	LOMBARDINI	49	38	14,6	85	28	10	222
P 500 360	80P12	80,00	LOMBARDINI	49,54	-	8	80,7	22	11	222
P 500 440	80P13	80,00	LOMBARDINI	40	46,9	11,95	75	22	12	222
P 530 130	80P14	80,00	NISSAN	29,45	-	-	60,45	16	1	283
P 535 130	80P15	80,00	OPEL	40	65,6	5,2	72	23	4	286
P 535 160	80P16	80,00	OPEL	40	65	3,2	72	23	5	286
P 535 100	80P17	80,00	OPEL	44,95	-	1,4	76,95	26	6	286
P 540 410	80P18	80,00	PERKINS	49,6	-	-	88	22,22	6	293
P 545 100	80P19	80,00	PETTER	63,5	49,9	23,54	106,09	30	2	316
P 550 125	80P20	80,00	PEUGEOT	41,98	-	2	84,55	23	9	320
P 550 130	80P21	80,00	PEUGEOT	46,8	-	2	84,5	25	10	321
P 560 170	80P22	80,00	RENAULT	42,5	-	-	67,4	24	14	338
P 420 390	80P23	80,50	FIAT	33,2	70,5	2,9	65,15	21,99	26	100
P 610 110	80P24	80,50	TOYOTA	39	-	-	80	22	3	371
P 495 110	80P25	80,963	LISTER	65,164	29,75	15,367	103,188	27	3	212
P 560 165	81P01	81,00	RENAULT	44,1	-	13,4	70,1	21	15	338
P 355 115	81P02	81,01	AUDI	32,2	60	8,1	62,5	20	10	49
P 355 120	81P03	81,01	AUDI	35,6	60,4	2,3	66,8	20	11	49
P 355 125	81P04	81,01	AUDI	32,2	56,9	8,1	62,5	20	12	49
P 355 140	81P05	81,01	AUDI	35,6	-	-	66,8	20	13	50
P 355 145	81P06	81,01	AUDI	32,2	55,5	4,6	62,3	20	14	50
P 355 150	81P07	81,01	AUDI	32,2	59,5	8,1	62,5	20	15	50
P 355 190	81P08	81,01	AUDI	32,7	70,2	1,5	53,7	20	16	51
P 355 130	81P09	81,01	AUDI	32,2	56	4,4	62,5	20	17	51
P 355 180	81P10	81,01	AUDI	45,75	-	17,25	69,75	26	18	51
P 635 135	81P11	81,01	VOLKSWAGEN	35,6	-	-2,3	66,8	20	14	378
P 635 140	81P12	81,01	VOLKSWAGEN	32,2	-	-4,4	62,5	20	15	378
P 635 150	81P13	81,01	VOLKSWAGEN	32,2	-	-8,1	62,5	20	16	379
P 635 155	81P14	81,01	VOLKSWAGEN	35,6	-	-	66,8	20	17	379

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 635 190	81P15	81,01	VOLKSWAGEN	30,52	56	6,22	55,78	20	18	379
P 635 195	81P16	81,01	VOLKSWAGEN	38,35	61,7	10,5	63,45	24,015	19	380
P 425 280	81P17	81,335	FORD	41,55	-	-	71,55	24	3	126
P 350 135	82P01	82,00	ALFA ROMEO	34,7	59	-	56,7	20	4	39
P 350 150	82P02	82,00	ALFA ROMEO	32,9	-	-	58,7	20	5	39
P 428 100	82P03	82,00	GOLDONI	54	44,3	15	94	26	1	139
P 435 110	82P04	82,00	HATZ	56	-	6	92	28	3	144
P 500 130	82P05	82,00	LOMBARDINI	44	36	12,5	71,5	20	13	223
P 500 145	82P06	82,00	LOMBARDINI	44	33,85	15,05	72	20	14	223
P 500 245	82P07	82,00	LOMBARDINI	32,75	-	-	56	15	15	223
P 500 285	82P08	82,00	LOMBARDINI	47	-	3,7	100	26	16	224
P 500 340	82P09	82,00	LOMBARDINI	47	-	3,9	100	26	17	224
P 355 195	82P10	82,50	AUDI	32,2	59,6	4,4	52,8	20	19	52
P 535 170	82P11	82,50	OPEL	44,95	-	2,6	67	26	7	287
P 535 105	82P12	82,50	OPEL	44,95	-	2,6	72,95	26	8	287
P 670 100	82P13	82,50	WISCONSIN	34,83	-	-	76,25	19,05	1	402
P 355 200	82P14	82,51	AUDI	30,2	-	-	58,2	20	20	52
P 355 205	82P15	82,51	AUDI	30,8	61,4	4,65	60,5	21	21	52
P 425 315	82P16	82,51	FORD	45,7	-	1,6	73,7	26	4	127
P 425 175	82P17	82,51	FORD	45,65	-	1,5	75,8	26	5	127
P 635 200	82P18	82,51	VOLKSWAGEN	30,9	-	5	63,8	21	20	380
P 495 140	82P19	82,55	LISTER	47,65	-	12,95	83,058	28,58	4	213
P 420 405	82P20	82,60	FIAT	42,8	-	-	76	26	27	100
P 420 125	82P21	82,60	FIAT	42,6	-	-	84,2	25	28	101
P 420 420	82P22	82,60	FIAT	42,4	-	-	76	26	29	101
P 420 565	82P23	82,60	FIAT	42,8	-	-	76	26	30	101
P 480 100	82P24	82,60	LANCIA	42,2	-	-	78,3	25	2	201
P 350 140	83P01	83,00	ALFA ROMEO	32	66,7	3,1	56	20	6	39
P 405 120	83P02	83,00	CITROEN	46,8	-	2,2	84,3	25	3	67
P 405 135	83P03	83,00	CITROEN	46,8	-	2,2/3,5	79,3	28	4	68
P 405 115	83P04	83,00	CITROEN	37,5	-	2,1	67,5	22	5	68
P 420 130	83P05	83,00	FIAT	45,9	-	2,9	85	25	31	102
P 805 105	83P06	83,00	KUBOTA	45,9	-	2,7	85	25	7	198
P 550 135	83P07	83,00	PEUGEOT	37,5	-	2,9	67,5	22	11	321

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 550 140	83P08	83,00	PEUGEOT	37,5	-	1,45	67,5	22	12	321
P 550 145	83P09	83,00	PEUGEOT	37,75	-	2,1	67,5	22	13	322
P 550 150	83P10	83,00	PEUGEOT	46,8	-	2,2	84,3	25	14	322
P 550 255	83P11	83,00	PEUGEOT	37,5	-	9	67,5	22	15	322
P 550 270	83P12	83,00	PEUGEOT	37,5	-	2,9	67,5	22	16	323
P 550 275	83P13	83,00	PEUGEOT	33,3	64	4,1	53,3	22	17	323
P 350 110	84P01	84,00	ALFA ROMEO	32,75	-	-	81	22	7	40
P 350 115	84P02	84,00	ALFA ROMEO	34,5	-	5	67,5	21	8	40
P 350 120	84P03	84,00	ALFA ROMEO	37,5	-	5	70,5	21	9	40
P 385 100	84P04	84,00	BMW	46,7	-	-	84,7	22	1	57
P 385 105	84P05	84,00	BMW	41,15	-	2,75	67,15	22	2	57
P 420 135	84P06	84,00	FIAT	38,45	-	-	79,55	21,99	32	102
P 420 140	84P07	84,00	FIAT	38,45	-	-	77,95	21,99	33	102
P 420 245	84P08	84,00	FIAT	38,5	-	-	78	21,99	34	103
P 420 270	84P09	84,00	FIAT	38,5	-	-	78	21,99	35	103
P 445 100	84P10	84,00	ISUZU	44,8	-	2,05	74,75	25	1	161
P 480 105	84P11	84,00	LANCIA	38,45	-	-	79,55	22	3	201
P 480 110	84P12	84,00	LANCIA	38,45	-	-	77,95	22	4	202
P 540 380	84P13	84,00	PERKINS	60,12	-	2,7	98,25	28,575	7	294
P 550 155	84P14	84,00	PEUGEOT	37,8	-	-	70,25	23	18	323
P 550 160	84P15	84,00	PEUGEOT	41,5	-	-	79,3	22	19	324
P 550 165	84P16	84,00	PEUGEOT	41,5	-	-	78,9	23	20	324
P 550 170	84P17	84,00	PEUGEOT	42,55	-	-	80,35	22	21	324
P 550 245	84P18	84,00	PEUGEOT	37,3	-	-	70,7	23	22	325
P 550 250	84P19	84,00	PEUGEOT	38,1	-	-	71,7	23	23	325
P 550 260	84P20	84,00	PEUGEOT	41,5	-	-	77,5	23	24	325
P 750 100	84P21	84,00	SHIBAURA	47,7	-	2,8	87,7	28	1	363
P 540 105	84P22	84,45	PERKINS	48	41	13,6	77	28	8	294
P 535 140	84P23	84,80	OPEL	40	69	2,8	72	23	9	287
P 535 145	84P24	84,80	OPEL	40	-	4,9	72	23	10	288
P 535 150	84P25	84,80	OPEL	40	-	2,6	72	23	11	288
P 535 155	84P26	84,80	OPEL	40	-	2,7	72	23	12	288
P 535 195	84P27	84,80	OPEL	33,65	42,6	4	53,65	21	13	289
P 420 435	85P01	85,00	FIAT	50,3	-	4,45	89,85	28	36	103

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 435 115	85P02	85,00	HATZ	56	26,45	7	102	30	4	145
P 440 205	85P03	85,00	IHC	50,82	-	-	87,45	22,22	2	151
P 472 105	85P04	85,00	KOMSAN/GRASSO	47	-	-	80	25	2	193
P 500 105	85P05	85,00	LOMBARDINI	47	43	16,42	85	23	18	224
P 500 110	85P06	85,00	LOMBARDINI	52	42,6	14,5	90	23	19	225
P 500 275	85P07	85,00	LOMBARDINI	50	44	14	88	25	20	225
P 530 140	85P08	85,00	NISSAN	34,45	-	-	70,45	18	2	283
P 440 185	85P09	85,725	IHC	50,9	-	-	98,96	28	3	151
P 420 145	86P01	86,00	FIAT	34,7	-	3,5	77,3	21,99	37	104
P 428 105	86P02	86,00	GOLDONI	54	46,2	14	88,5	26	2	139
P 445 105	86P03	86,00	ISUZU	51,5	-	3	95,5	27	2	161
P 500 135	86P04	86,00	LOMBARDINI	44	43	12,5	72	22	21	225
P 500 140	86P05	86,00	LOMBARDINI	44	43,3	12,5	72	20	22	226
P 500 220	86P06	86,00	LOMBARDINI	51	49	14,65	81	28	23	226
P 515 100	86P07	86,00	MAZDA	42,75	-	1,6	86,25	25	2	251
P 510 345	86P08	86,00	MERCEDES-BENZ	42,65	-	-	89,04	23	2	253
P 535 200	86P09	86,00	OPEL	30,4	59,5	3,16	55,4	21	14	289
P 550 285	86P10	86,00	PEUGEOT	40	70,4	7	65	22	25	326
P 560 155	86P11	86,00	RENAULT	51	-	4/2,2	92,9	28	16	339
P 560 160	86P12	86,00	RENAULT	50,99	-	4	93	28	17	339
P 420 250	86P13	86,40	FIAT	34,45	-	-	77	21,99	38	104
P 420 255	86P14	86,40	FIAT	34,7	-	-	74	21,99	39	104
P 420 260	86P15	86,40	FIAT	34,15	-	-	73,65	21,99	40	105
P 420 310	86P16	86,40	FIAT	35	-	0,6	74,5	21,99	41	105
P 420 445	86P17	86,40	FIAT	34,45	-	-	73,95	21,99	42	105
P 420 460	86P18	86,40	FIAT	33,3	-	2,25	65,35	21,99	43	106
P 480 115	86P19	86,40	LANCIA	34,45	-	-	73,95	22	5	202
P 480 120	86P20	86,40	LANCIA	35	-	0,6	74,5	22	6	202
P 480 125	86P21	86,40	LANCIA	34,15	-	-	73,65	22	7	203
P 510 335	86P22	86,50	MERCEDES-BENZ	49,2	-	-	81,2	25	3	253
P 535 110	86P23	86,50	OPEL	53,75	-	1,45	88,75	28	15	289
P 440 210	87P01	87,00	IHC	51,1	-	-	87,5	22,22	4	152
P 805 110	87P02	87,00	KUBOTA	43,43	-	-	80	25	8	198
P 510 100	87P03	87,00	MERCEDES-BENZ	44,85	-	9,05	74,85	26	4	254

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 510 105	87P04	87,00	MERCEDES-BENZ	52,9	-	6	91,4	26	5	254
P 510 110	87P05	87,00	MERCEDES-BENZ	52,9	-	6,15	91,4	26	6	254
P 510 155	87P06	87,00	MERCEDES-BENZ	48,35	-	8,75	81,85	26	7	255
P 510 120	87P07	87,00	MERCEDES-BENZ	48,25	-	6,35	89,65	26	8	255
P 510 125	87P08	87,00	MERCEDES-BENZ	48,25	-	6,35	89,65	26	9	255
P 440 235	87P09	87,31	IHC	63,5	-	5,9	108	28,178	5	152
P 545 105	87P10	87,31	PETTER	63,6	50,7	25,09	106	30	3	316
P 540 490	87P11	87,725	PERKINS	49,2	70	8,4	90,5	21,855	9	294
P 350 160	88P01	88,00	ALFA ROMEO	39,05	-	-	67,42	22	10	41
P 500 370	88P02	88,00	LOMBARDINI	32	-	-	64,9	20	24	226
P 500 380	88P03	88,00	LOMBARDINI	47	-	1,85	75,12	28	25	227
P 500 410	88P04	88,00	LOMBARDINI	41,32	-	2,9	72	28	26	227
P 550 175	88P05	88,00	PEUGEOT	37,7	-	-	70,7	23	26	326
P 550 180	88P06	88,00	PEUGEOT	37,9	-	-	73,45	23	27	326
P 550 235	88P07	88,00	PEUGEOT	40,5	-	-	68,6	23	28	327
P 550 185	88P08	88,00	PEUGEOT	37,9	-	-	73,88	23	29	327
P 550 190	88P09	88,00	PEUGEOT	58,7	-	2	95,35	28	30	327
P 550 240	88P10	88,00	PEUGEOT	38,84	-	-	71,7	23	31	328
P 550 280	88P11	88,00	PEUGEOT	37,8	-	-	72,25	23	32	328
P 610 115	88P12	88,00	TOYOTA	39	-	-	85	22	4	372
P 510 450	88P13	88,009	MERCEDES-BENZ	42,3	43,5	13,8	72,3	30	10	256
P 510 130	88P14	88,50	MERCEDES-BENZ	33	-	2,7	66	22	11	256
P 425 310	88P15	88,90	FORD	52,14	-	-	88	23,18	6	127
P 440 100	88P16	88,90	IHC	50,9	-	-	99	28	6	152
P 495 115	88P17	88,90	LISTER	65,138	-	17,22	103,188	29,37	5	213
P 540 110	88P18	88,925	PERKINS	57,3	-	-	108,1	31,75	10	295
P 540 210	88P19	88,925	PERKINS	60,2	-	-	115,646	31,75	11	295
P 510 135	89P01	89,00	MERCEDES-BENZ	43,2	-	-	79,7	22	12	256
P 510 270	89P02	89,00	MERCEDES-BENZ	43,2	-	-	83,2	24	13	257
P 510 440	89P03	89,90	MERCEDES-BENZ	32,9	70	1,5	59,9	22	14	257
P 510 445	89P04	89,90	MERCEDES-BENZ	31,125	74	1,2	56,125	22	15	257
P 405 125	90P01	90,00	CITROEN	56	-	2,95/4,9	95	30	6	68
P 425 100	90P02	90,00	FORD	57,2	-	2	96,35	28	7	128
P 430 130	90P03	90,00	HANOMAG	70,18	-	-	129,685	30	1	141

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 430 135	90P04	90,00	HANOMAG	74,6	55,7	5,35	129,6	30	2	141
P 435 120	90P05	90,00	HATZ	53,5	28	8,8	103,5	30	5	145
P 435 130	90P06	90,00	HATZ	53,5	28	8,8	103,5	30	6	145
P 500 215	90P07	90,00	LOMBARDINI	50	42,8	15	85	25	27	227
P 500 355	90P08	90,00	LOMBARDINI	58	41,9	20,9	91	28	28	228
P 500 365	90P09	90,00	LOMBARDINI	52	49,45	13,6	87	25	29	228
P 501 105	90P10	90,00	LUPAMAT	36	-	-	76	20	1	240
P 501 115	90P11	90,00	LUPAMAT	36	-	-	77,6	20	2	240
P 510 295	90P12	90,00	MERCEDES-BENZ	37	-	-	67	20	16	258
P 510 140	90P13	90,00	MERCEDES-BENZ	35	-	-	57,5	20	17	258
P 510 145	90P14	90,00	MERCEDES-BENZ	35	-	-	57,5	20	18	258
P 550 195	90P15	90,00	PEUGEOT	57,2	-	2	96,35	28	33	328
P 640 120	90P16	90,00	WESTINGHOUSE	32	-	-	62	20	7	401
P 640 125	90P17	90,00	WESTINGHOUSE	37	-	-	67	20	8	401
P 475 115	90P18	90,475	LAND ROVER	54,78	-	3,7	86,5	30,16	2	204
P 475 105	90P19	90,475	LAND ROVER	58,52	-	-	100	25,4	3	204
P 440 225	90P20	90,48	IHC	60,55	-	-	105,1	25,4	7	153
P 475 100	90P21	90,487	LAND ROVER	58,6	-	6,5	100,012	30,16	4	205
P 475 110	90P22	90,487	LAND ROVER	58,6	-	6,5	100,012	30,16	5	205
P 510 150	90P23	90,90	MERCEDES-BENZ	48,35	60	6,27 / 4,2	81,85	26	19	259
P 510 155	90P24	90,90	MERCEDES-BENZ	48,35	-	8,75	81,85	26	20	259
P 510 160	90P25	90,90	MERCEDES-BENZ	48,35	-	6,27 / 4,27	81,85	26	21	259
P 510 285	90P26	90,90	MERCEDES-BENZ	48,35	-	6,27 / 4,2	81,85	26	22	260
P 510 290	90P27	90,90	MERCEDES-BENZ	48,35	-	8,85	81,85	26	23	260
P 465 230	91P01	91,00	KHD	55,2	40	19,8	86,15	26	1	177
P 465 235	91P02	91,00	KHD	55,13	44	19,25	86	30	2	177
P 520 100	91P03	91,10	MITSUBISHI	48,7	-	3,1	88,7	29	4	276
P 520 105	91P04	91,10	MITSUBISHI	48,7	-	3,1	88,7	29	5	276
P 540 115	91P05	91,48	PERKINS	57,25	-	-	108	31,75	12	295
P 540 120	91P06	91,48	PERKINS	61,77	55,88	18,34	109,35	31,75	13	296
P 540 180	91P07	91,48	PERKINS	61,63	59,8	18,2	109,35	31,75	14	296
P 540 185	91P08	91,48	PERKINS	56,95	-	-	107,7	31,75	15	296
P 540 215	91P09	91,48	PERKINS	57,25	-	-	108	31,75	16	297
P 540 275	91P10	91,48	PERKINS	61,8	59,9	18,3	109	31,75	17	297

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 540 290	91P11	91,48	PERKINS	61,9	59,7	18,89	109,5	31,75	18	297
P 540 300	91P12	91,48	PERKINS	55,03	73	20,1	102,53	31,75	19	298
P 540 305	91P13	91,48	PERKINS	61,65	30	21,95	109,3	31,75	20	298
P 540 330	91P14	91,48	PERKINS	61,77	55,88	18,34	109,35	31,75	21	298
P 540 335	91P15	91,48	PERKINS	56,92	-	-	107,7	31,75	22	299
P 540 400	91P16	91,48	PERKINS	61,9	59,7	18,89	109,5	31,75	23	299
P 350 125	92P01	92,00	ALFA ROMEO	51,2	-	3,7	86	30	11	41
P 350 130	92P02	92,00	ALFA ROMEO	53,1	-	3,5	88,1	30	12	41
P 500 375	92P03	92,00	LOMBARDINI	54	50,05	13,9	93,05	26	30	228
P 500 430	92P04	92,00	LOMBARDINI	52,6	53	13,85	95,75	30	31	229
P 515 105	92P05	92,00	MAZDA	60,5	-	-	116	30	3	251
P 510 340	92P06	92,00	MERCEDES-BENZ	45,9	-	-	85,9	26	24	260
P 535 115	92P07	92,00	OPEL	53,65	-	1,8	86,65	30	16	290
P 550 290	92P08	92,00	PEUGEOT	49,74	-	3	79,9	34	34	329
P 675 110	92P09	92,00	RUGGERINI	50	44,3	15,1	99,9	25	2	342
P 595 130	92P10	92,00	STEYR	63	-	0,8	103,5	32	1	365
P 620 310	92P11	92,00	VOLVO	66,6	39,5	19,4	101,6	35	2	381
P 655 120	92P12	92,075	DAVID BROWN	60,28	57,15	17,05	99,3	31,75	1	85
P 655 125	92P13	92,075	DAVID BROWN	60,28	53,97	17,52	99,3	31,75	2	85
P 835 100	92P14	92,075	WAUKESHA	58,738	-	-	95,25	31,742	1	398
P 420 570	92P15	92,40	FIAT	63	42,1	18,15	105	30	44	106
P 530 100	92P16	92,90	NISSAN	50,3	-	1,5	87	28	3	283
P 420 150	93P01	93,00	FIAT	55	-	2,2	90	32	45	106
P 420 155	93P02	93,00	FIAT	58,75	38	17,9	96,75	32	46	107
P 420 160	93P03	93,00	FIAT	59,65	52,3	14,8	97,65	32	47	107
P 420 320	93P04	93,00	FIAT	54	-	2,2	89	32	48	107
P 420 355	93P05	93,00	FIAT	53,95	-	2,1	88,9	32	49	108
P 420 440	93P06	93,00	FIAT	58,75	38	17,9	96,75	32	50	108
P 420 495	93P07	93,00	FIAT	58,75	38,1	18,45	96,8	32	51	108
P 445 125	93P08	93,00	ISUZU	51,85	-	19,5	91,85	34	3	161
P 550 200	93P09	93,00	PEUGEOT	52,75	-	7,4/5,45	95	30	35	329
P 405 130	93P10	93,015	CITROEN	52,75	-	5,45/7,4	95	30	7	69
P 425 170	93P11	93,67	FORD	59,5	40	18	89,5	29	8	128
P 425 285	93P12	93,67	FORD	59,5	40	18	94	29	9	128

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 510 165	93P13	93,75	MERCEDES-BENZ	51,75	-	-	81,95	26	25	261
P 510 170	93P14	93,75	MERCEDES-BENZ	51,8	-	-	82	26	26	261
P 420 535	94P01	94,00	FIAT	47,85	-	3,15	85,35	30	52	109
P 420 540	94P02	94,00	FIAT	48,05	-	3,1	83,15	30	53	109
P 425 105	94P03	94,00	FORD	53,92	-	1,8	96,42	30	10	129
P 425 110	94P04	94,00	FORD	57,42	-	1,8	99,92	30	11	129
P 550 205	94P05	94,00	PEUGEOT	53,92	-	1,8	96,42	30	36	329
P 550 210	94P06	94,00	PEUGEOT	57,37	-	1,95	99,87	30	37	330
P 550 215	94P07	94,00	PEUGEOT	57,42	-	1,8	99,92	28	38	330
P 550 220	94P08	94,00	PEUGEOT	57,42	-	1,8	99,92	30	39	330
P 420 470	94P09	94,40	FIAT	58,75	39,3	19,45	87,6	32	54	109
P 420 475	94P10	94,40	FIAT	58,75	39,3	19,45	96,75	32	55	110
P 420 485	94P11	94,40	FIAT	54,95	-	2,6	89,85	32	56	110
P 740 100	95P01	95,00	AGROMAND	66	48	18,4	114	35	1	37
P 825 100	95P02	95,00	FAHR	64	-	-	120	30	1	89
P 660 105	95P03	95,00	FERRARI	60	46,3	16	100	28	1	91
P 420 165	95P04	95,00	FIAT	59,65	42,5	23,5	101,65	32	57	110
P 465 100	95P05	95,00	KHD	59	-	-	125,7	35	3	177
P 465 105	95P06	95,00	KHD	59	-	-	125,7	35	4	178
P 465 110	95P07	95,00	KHD	68	-	-	125,7	35	5	178
P 465 190	95P08	95,00	KHD	72,45	55	13,6	122,2	35	6	178
P 470 120	95P09	95,00	KOMATSU	51,5	-	19,5	94,4	32	1	190
P 500 115	95P10	95,00	LOMBARDINI	65	44	20	108	28	32	229
P 500 160	95P11	95,00	LOMBARDINI	58	43,45	20	91,1	28	33	229
P 500 165	95P12	95,00	LOMBARDINI	58	43,85	20	91,1	28	34	230
P 500 180	95P13	95,00	LOMBARDINI	60	48	18	100	28	35	230
P 500 190	95P14	95,00	LOMBARDINI	49,97	43,05	16,7	94,95	25	36	230
P 500 230	95P15	95,00	LOMBARDINI	59	45,1	17,6	98,05	30	37	231
P 500 240	95P16	95,00	LOMBARDINI	52	48,25	17	88,5	25	38	231
P 500 335	95P17	95,00	LOMBARDINI	52	48,25	17	88,5	25	39	231
P 500 400	95P18	95,00	LOMBARDINI	55	54,3	16,1	91	26	40	232
P 515 110	95P19	95,00	MAZDA	58,5	-	-	115,3	31,75	4	252
P 515 115	95P20	95,00	MAZDA	53,5	-	2,3	100,5	30	5	252
P 525 100	95P21	95,00	MWM	59,8	-	17,5	112,8	32	1	278

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 525 105	95P22	95,00	MWM	60	48	20,5	113	32	2	278
P 525 150	95P23	95,00	MWM	60	-	2,6	113	32	3	278
P 535 125	95P24	95,00	OPEL	45	-	-	87	23	17	290
P 535 165	95P25	95,00	OPEL	41,15	-	-	67,15	23	18	290
P 580 135	95P26	95,00	SAVIEM	72	35,5	36,35	117	35	1	346
P 615 100	95P27	95,00	UTB	59,65	42,5	23,5	101,1	32	1	373
P 650 100	95P28	95,00	ZETOR	66	48	18,4	114	35	1	404
P 650 120	95P29	95,00	ZETOR	65,7	58,2	21	113,75	35	2	404
P 495 120	95P30	95,25	LISTER	65,151	45,3	15	103,188	33,33	6	213
P 620 105	95P31	95,25	VOLVO	79,4	50	23,9	124,4	40	3	381
P 620 110	95P32	95,25	VOLVO	79,4	50	24,2	124,4	40	4	382
P 510 175	95P33	95,50	MERCEDES-BENZ	43,2	70,45	1,85	76,2	22	27	261
P 510 265	95P34	95,50	MERCEDES-BENZ	43,2	70	2,3	83,2	24	28	262
P 500 150	96P01	96,00	LOMBARDINI	61	52	18,7	106	28	41	232
P 620 115	96P02	96,01	VOLVO	39,7	-	0,6	64,7	23	5	382
P 620 120	96P03	96,01	VOLVO	39,7	-	2,2	64,7	23	6	382
P 395 110	96P04	96,838	CASE	61	63	13,75	108,7	31,75	1	59
P 545 110	96P05	96,96	PETTER	63,6	39,92	22,73	106	30	4	317
P 510 180	97P01	97,00	MERCEDES-BENZ	65,2	55	20	115,7	36	29	262
P 510 185	97P02	97,00	MERCEDES-BENZ	65	55	20	115,5	36	30	262
P 510 190	97P03	97,00	MERCEDES-BENZ	65,2	55	20	115,7	36	31	263
P 510 195	97P04	97,00	MERCEDES-BENZ	65,2	55	20	115,7	36	32	263
P 510 200	97P05	97,00	MERCEDES-BENZ	65,2	55	21,5	105,2	36	33	263
P 510 350	97P06	97,00	MERCEDES-BENZ	65,2	55	20	105,2	36	34	264
P 510 205	97P07	97,50	MERCEDES-BENZ	62,8	56	22,35	107,8	36	35	264
P 510 210	97P08	97,50	MERCEDES-BENZ	62,8	56	22,7	107,8	36	36	264
P 510 365	97P09	97,50	MERCEDES-BENZ	62,8	48	23,9	107,8	36	37	265
P 510 385	97P10	97,50	MERCEDES-BENZ	62,8	54,85	22,6	107,8	36	38	265
P 510 400	97P11	97,50	MERCEDES-BENZ	62,8	54,4	23	107,8	36	39	265
P 455 100	98P01	98,00	JOHN DEERE	57,35	58,7	16,5	99,35	30,17	1	165
P 455 170	98P02	98,00	JOHN DEERE	57,35	59	16,5	99,35	30,17	2	165
P 455 205	98P03	98,00	JOHN DEERE	57,27	59	16,5	99,35	30,17	3	165
P 805 145	98P04	98,00	KUBOTA	69,04	51,5	21,6	118,99	35	9	198
P 485 100	98P05	98,00	LEYLAND	68,2	56	25	116,3	34,925	4	207

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 485 140	98P06	98,00	LEYLAND	68,2	56	25	116,3	36,512	5	207
P 500 315	98P07	98,00	LOMBARDINI	54,95	56	14,3	91	26	42	232
P 505 100	98P08	98,00	MAN	75,38	-	34	119,38	36	1	242
P 575 100	98P09	98,00	SAME	70	46	22,5	120	35	1	343
P 575 120	98P10	98,00	SAME	70	55	22,5	120	35	2	343
P 580 100	98P11	98,00	SAVIEM	75,38	-	34	119,38	36	2	346
P 420 450	98P12	98,42	FIAT	63,85	62,9	15	116,25	31,8	58	111
P 360 120	98P13	98,425	ALLIS CHALMERS	63,8	63	14,2	116,2	31,7932	1	42
P 440 240	98P14	98,425	IHC	65,087	54	16,7	112,315	31,75	8	153
P 440 245	98P15	98,425	IHC	60,35	53,9	16,8	107,5	31,75	9	153
P 440 105	98P16	98,425	IHC	67	55	19,9	102	36	10	154
P 440 115	98P17	98,425	IHC	67	55,9	24	102	36	11	154
P 440 110	98P18	98,425	IHC	67	55	19,9	107	36	12	154
P 440 120	98P19	98,425	IHC	67	56	24	107	36	13	155
P 440 125	98P20	98,425	IHC	66,9	56	23,9	107	38	14	155
P 440 130	98P21	98,425	IHC	66,9	56	21,4	106,9	38	15	155
P 440 160	98P22	98,425	IHC	67	55,3	19,9	102	36	16	156
P 440 180	98P23	98,425	IHC	67	56	22,1	107	36	17	156
P 440 200	98P24	98,425	IHC	66,95	55,9	24	101,58	36	18	156
P 440 220	98P25	98,425	IHC	67	54	18,1	107	36	19	157
P 495 165	98P26	98,425	LISTER	58,79	49,65	16,3	89,24	33,334	7	214
P 620 125	98P27	98,43	VOLVO	79,4	54	23,8	124,4	40	7	383
P 620 130	98P28	98,43	VOLVO	79,4	57	22,15	124,4	40	8	383
P 620 135	98P29	98,43	VOLVO	79,4	57	21,8	124,4	40	9	383
P 540 125	98P30	98,48	PERKINS	69,82	66,4	18,82	107,82	38,1	24	299
P 540 130	98P31	98,48	PERKINS	69,8	53,95	25,4	120,6	34,925	25	300
P 540 135	98P32	98,48	PERKINS	70,1	54,1	25,6	120,71	34,925	26	300
P 540 140	98P33	98,48	PERKINS	70,1	61	20,35	121,05	34,925	27	300
P 540 150	98P34	98,48	PERKINS	70,2	60,9	20,07	108,25	38,1	28	301
P 540 160	98P35	98,48	PERKINS	76,5	59,7	19,1	127,3	34,925	29	301
P 540 205	98P36	98,48	PERKINS	70,25	61	20,35	121,05	34,925	30	301
P 540 225	98P37	98,48	PERKINS	69,72	66,46	19,15	120,4	38,1	31	302
P 540 245	98P38	98,48	PERKINS	70,1	54	25,5	120,7	34,925	32	302
P 540 265	98P39	98,48	PERKINS	76,5	59,7	19,1	127,3	34,925	33	302

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 540 270	98P40	98,48	PERKINS	70,2	61	20,4	121	34,925	34	303
P 540 295	98P41	98,48	PERKINS	69,57	66,46	19,24	120,4	38,1	35	303
P 540 310	98P42	98,48	PERKINS	63,15	77	23,35	113,95	25,4	36	303
P 540 325	98P43	98,48	PERKINS	70,1	61	20,35	121,05	34,925	37	304
P 540 395	98P44	98,48	PERKINS	70,44	61	20,59	121,24	34,925	38	304
P 540 420	98P45	98,48	PERKINS	69,8	54	23,87	120,6	34,925	39	304
P 540 430	98P46	98,48	PERKINS	70,18	62	20,34	108,3	38,1	40	305
P 540 450	98P47	98,48	PERKINS	69,87	54,2	28,48	120,8	34,925	41	305
P 540 460	98P48	98,48	PERKINS	69,82	66,8	18,82	107,82	38,1	42	305
P 700 100	99P01	99,38	GRAND CHEROOKE	44,25	-	-	85,75	25	1	140
P 710 000	100P01	100,00	EICHER	81	25,5	29,2	146	35	1	88
P 420 170	100P02	100,00	FIAT	59,65	45,3	23,65	101,15	32	59	111
P 420 175	100P03	100,00	FIAT	59,65	47	23,7	101,15	32	60	111
P 420 180	100P04	100,00	FIAT	65,1	49	22,7	108,5	38	61	112
P 420 340	100P05	100,00	FIAT	59,55	47	23,5	101,3	34	62	112
P 420 400	100P06	100,00	FIAT	65,1	49,3	22,7	108,5	38	63	112
P 420 505	100P07	100,00	FIAT	65,1	49,2	22,7	108,5	38	64	113
P 420 585	100P08	100,00	FIAT	65,1	45,3	23,65	108,5	38	65	113
P 420 610	100P09	100,00	FIAT	65,15	49,55	22,7	108,5	38	66	113
P 420 605	100P10	100,00	FIAT	65,3	48,2	20,2	108,65	38	67	114
P 425 115	100P11	100,00	FORD	71,04	50	24,74	117,8	34,925	12	129
P 425 185	100P12	100,00	FORD	70,99	50	24,74	118,14	31,75	13	130
P 425 215	100P13	100,00	FORD	71,04	50	24,74	118,14	34,925	14	130
P 430 125	100P14	100,00	HANOMAG	0	0	0	0	32	3	141
P 690 100	100P15	100,00	HYUNDAI	60,65	54,6	17,45	110,65	34	2	149
P 690 110	100P16	100,00	HYUNDAI	60	54,8	16,5	110	34	3	149
P 690 115	100P17	100,00	HYUNDAI	60,65	54,7	17,4	110,65	34	4	150
P 440 135	100P18	100,00	IHC	66,9	56	24	106,9	38	20	157
P 440 140	100P19	100,00	IHC	67	56	22,3	107	36	21	157
P 440 145	100P20	100,00	IHC	67	59	24	107	36	22	158
P 440 150	100P21	100,00	IHC	66,9	59	24	106,9	38	23	158
P 440 155	100P22	100,00	IHC	67	56	24	107	36	24	158
P 440 195	100P23	100,00	IHC	59,74	-	-	101,16	38,1	25	159
P 440 215	100P24	100,00	IHC	67	57,5	22,3	107	36	26	159

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 465 115	100P25	100,00	KHD	56,75	50	21,44	95,95	35	7	179
P 465 120	100P26	100,00	KHD	71,9	55	21,4	123,6	35	8	179
P 465 125	100P27	100,00	KHD	71,9	55	21,4	123,6	35	9	179
P 465 130	100P28	100,00	KHD	71,8	58	21,4	123,6	40	10	180
P 465 240	100P29	100,00	KHD	71,8	45	17,16	123,6	35	11	180
P 465 245	100P30	100,00	KHD	71,8	46	17,68	123,6	35	12	180
P 465 275	100P31	100,00	KHD	71,9	55	21,4	123,6	35	13	181
P 485 105	100P32	100,00	LEYLAND	70,17	58	27	120,8	34,925	6	207
P 502 115	100P33	100,00	LOKOMO	69	51,4	25,2	124	36	1	217
P 500 120	100P34	100,00	LOMBARDINI	65	43,2	21	111	28	43	233
P 500 155	100P35	100,00	LOMBARDINI	65	51,2	21	102	32	44	233
P 500 185	100P36	100,00	LOMBARDINI	65	49,18	19,6	111	28	45	233
P 500 200	100P37	100,00	LOMBARDINI	68,03	57,15	21,15	122	35	46	234
P 500 250	100P38	100,00	LOMBARDINI	55	49,05	17,5	129,4	28	47	234
P 500 395	100P39	100,00	LOMBARDINI	65	51	20,92	100	32	48	234
P 500 405	100P40	100,00	LOMBARDINI	63	57	18,05	105	30	49	235
P 500 435	100P41	100,00	LOMBARDINI	60	60	14,8	96,5	32	50	235
P 500 445	100P42	100,00	LOMBARDINI	69,04	51,5	21,6	118,99	35	51	235
P 505 105	100P43	100,00	MAN	78,3	37	39,5	134,7	35	2	242
P 525 140	100P44	100,00	MWM	59,8	56	17,5	112,8	32	4	279
P 525 145	100P45	100,00	MWM	60,4	56	19,3	113,4	35	5	279
P 540 190	100P46	100,00	PERKINS	70,02	55,85	20,14	108	34,925	43	306
P 540 195	100P47	100,00	PERKINS	70,02	55,85	19,5	108	38,1	44	306
P 540 196	100P48	100,00	PERKINS	70,02	55,85	19,5	108	38,1	45	306
P 540 230	100P49	100,00	PERKINS	70,3	52,85	21,75	108,23	39,7	46	307
P 540 240	100P50	100,00	PERKINS	70,02	55,5	19,5	108	38,1	47	307
P 540 250	100P51	100,00	PERKINS	70,26	52,8	21,75	108,23	39,7	48	307
P 540 385	100P52	100,00	PERKINS	70,23	52,8	21,75	108,23	39,7	49	308
P 540 435	100P53	100,00	PERKINS	70	55,8	19,5	108,34	38,1	50	308
P 540 445	100P54	100,00	PERKINS	70,15	56,5	21	102,2	34,925	51	308
P 540 465	100P55	100,00	PERKINS	70	55,3	20,14	108	34,925	52	309
P 580 130	100P56	100,00	SAVIEM	77,8	36	36,8	131,9	36	3	346
P 595 100	100P57	100,00	STEYR	58,4	54,6	20,05	98,9	38	2	365
P 595 105	100P58	100,00	STEYR	63,4	53,75	19,4	103,9	35	3	365

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 595 110	100P59	100,00	STEYR	63,4	53,5	19,4	103,9	35	4	366
P 595 125	100P60	100,00	STEYR	58,4	55	20,05	98,9	38	5	366
P 650 105	100P61	100,00	ZETOR	66	47,6	18,6	116	35	3	404
P 655 100	100P62	100,046	DAVID BROWN	60,376	58,8	19,291	105,562	31,75	3	85
P 655 105	100P63	100,046	DAVID BROWN	66,726	58,75	15,913	111,912	31,75	4	86
P 655 110	100P64	100,046	DAVID BROWN	60,32	58,8	20,3	105,56	31,75	5	86
P 655 115	100P65	100,046	DAVID BROWN	60,32	58,7	20,3	105,56	31,75	6	86
P 415 115	100P66	100,61	DAF	81,9	58,1	24,8	132,7	33,026	1	80
P 415 135	100P67	100,61	DAF	73,03	51	23,05	122,07	33,026	2	80
P 415 160	100P68	100,61	DAF	73,03	51	23,05	122,07	33,026	3	80
P 540 165	101P01	101,054	PERKINS	69,9	61,4	20,5	120,7	34,925	53	309
P 540 170	101P02	101,054	PERKINS	70,02	61,45	20,77	120,82	34,925	54	309
P 540 175	101P03	101,054	PERKINS	70,3	54	26	121,1	34,925	55	310
P 540 235	101P04	101,054	PERKINS	70,27	60,9	20,3	121,1	34,925	56	310
P 540 280	101P05	101,054	PERKINS	70,3	61	20,5	121,07	34,925	57	310
P 540 340	101P06	101,054	PERKINS	70,02	61	20,77	120,82	34,925	58	311
P 540 345	101P07	101,054	PERKINS	70,1	61,4	20,5	120,9	34,925	59	311
P 540 425	101P08	101,054	PERKINS	70,44	39,5	22,44	121,24	34,925	60	311
P 540 455	101P09	101,054	PERKINS	70,27	60,9	20,3	121,1	34,925	61	312
P 540 470	101P10	101,054	PERKINS	70,2	61,45	21	121	34,925	62	312
P 440 190	101P11	101,60	IHC	79,5	60,3	9	135	33,337	27	159
P 495 125	101P12	101,60	LISTER	73,076	-	21,26	127	36,52	8	214
P 410 120	102P01	102,00	CUMMINS	71,56	64	17,4	105,36	40	1	70
P 410 125	102P02	102,00	CUMMINS	71,56	64	17,4	105,36	40	2	70
P 410 130	102P03	102,00	CUMMINS	71,56	51,4	22	105,5	40	3	70
P 410 135	102P04	102,00	CUMMINS	71,56	52	19,7	105,36	40	4	71
P 410 140	102P05	102,00	CUMMINS	71,56	52	22,2	105,5	40	5	71
P 410 145	102P06	102,00	CUMMINS	71,56	59	19,3	105,36	40	6	71
P 410 150	102P07	102,00	CUMMINS	71,56	59,15	17,7	105,36	40	7	72
P 410 155	102P08	102,00	CUMMINS	71,56	59	17,8	105,36	40	8	72
P 410 185	102P09	102,00	CUMMINS	71,54	63,5	17,89	105,38	40	9	72
P 410 190	102P10	102,00	CUMMINS	71,5	61,3	18,8	105,4	40	10	73
P 410 200	102P11	102,00	CUMMINS	71,56	60	16,6	105,36	40	11	73
P 410 210	102P12	102,00	CUMMINS	71,56	51,3	22,1	105,4	40	12	73

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 410 220	102P13	102,00	CUMMINS	71,45	64	17,95	105,3	40	13	74
P 410 230	102P14	102,00	CUMMINS	71,56	58,9	19,25	105,5	40	14	74
P 420 590	102P15	102,00	FIAT	70	56,5	18,55	105,3	40	68	114
P 445 135	102P16	102,00	ISUZU	59	54,6	19,5	104,2	35	4	162
P 445 110	102P17	102,00	ISUZU	62,7	58,7	19,3	112,3	35	5	162
P 445 115	102P18	102,00	ISUZU	59	-	19,5	104,2	35	6	162
P 455 105	102P19	102,00	JOHN DEERE	57,3	59	16,5	103,1	30,17	4	166
P 455 110	102P20	102,00	JOHN DEERE	66,3	54	21,5	112	34,925	5	166
P 455 135	102P21	102,00	JOHN DEERE	57,3	-	16,5	103,1	30,17	6	166
P 455 140	102P22	102,00	JOHN DEERE	66,3	54	21	110,65	34,925	7	167
P 455 255	102P23	102,00	JOHN DEERE	66,3	54	21,2	110,8	34,925	8	167
P 465 135	102P24	102,00	KHD	69,1	56	16,6	123,6	35	14	181
P 465 170	102P25	102,00	KHD	69,1	58	20,5	123,6	40	15	181
P 465 185	102P26	102,00	KHD	69,1	56	16,6	123,6	35	16	182
P 465 195	102P27	102,00	KHD	69,1	56	16,6	123,6	35	17	182
P 465 196	102P28	102,00	KHD	69,1	58	20,5	123,6	35	18	182
P 465 200	102P29	102,00	KHD	69,1	58	17,6	123,6	40	19	183
P 465 205	102P30	102,00	KHD	69,1	58,15	17,6	123,6	40	20	183
P 465 210	102P31	102,00	KHD	69,1	58	20,5	123,6	40	21	183
P 465 215	102P32	102,00	KHD	69,1	56	16,6	123,6	35	22	184
P 465 220	102P33	102,00	KHD	69,1	58,5	17,6	123,6	40	23	184
P 465 250	102P34	102,00	KHD	69,1	58,3	17,6	123,6	40	24	184
P 500 125	102P35	102,00	LOMBARDINI	60	54,6	18	102	28	52	236
P 580 105	102P36	102,00	SAVIEM	75,58	-	37,95	120,6	36	4	347
P 580 110	102P37	102,00	SAVIEM	78,25	56	20,7	123,25	42	5	347
P 580 115	102P38	102,00	SAVIEM	71,18	58,8	20,79	108,18	42	6	347
P 580 120	102P39	102,00	SAVIEM	75,58	-	37,95	120,6	36	7	348
P 580 125	102P40	102,00	SAVIEM	77,8	38	38,55	131,7	36	8	348
P 610 120	102P41	102,00	TOYOTA	63,35	46	21,97	104,36	34	5	372
P 615 110	102P42	102,00	UTB	59,6	48,55	24,5	101,1	32	2	373
P 650 110	102P43	102,00	ZETOR	66,5	47,5	22,5	116,5	35	4	405
P 650 125	102P44	102,00	ZETOR	66,45	60	20,4	116,5	35	5	405
P 420 185	103P01	103,00	FIAT	59,65	50	22,7	101,15	34	69	114
P 420 190	103P02	103,00	FIAT	59,65	50	22,7	101,15	34	70	115

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 420 500	103P03	103,00	FIAT	59,65	50	22,7	101,15	34	71	115
P 540 370	103P04	103,00	PERKINS	70,23	52,3	22,05	108,27	39,7	63	312
P 375 110	103P05	103,18	BEDFORD	71,3	53,9	21,45	118,7	34,925	1	53
P 375 100	103P06	103,18	BEDFORD	71,5	52,71	21,4	118,3	34,925	2	53
P 535 120	103P07	103,18	OPEL	71,5	-	21,4	118,3	34,925	19	291
P 420 240	104P01	104,00	FIAT	65,15	52,2	22,5	108,5	38	72	115
P 420 305	104P02	104,00	FIAT	65,15	52	22,5	108,5	38	73	116
P 420 325	104P03	104,00	FIAT	65,15	54,35	22,3	108,5	38	74	116
P 420 350	104P04	104,00	FIAT	65,15	54,35	22,5	104,15	38	75	116
P 420 370	104P05	104,00	FIAT	65,33	46	21	104,33	38	76	117
P 420 525	104P06	104,00	FIAT	65,33	54	22,1	104,33	38	77	117
P 420 530	104P07	104,00	FIAT	65,33	54,45	22,1	104,33	38	78	117
P 420 575	104P08	104,00	FIAT	65,15	52	22,5	108,5	38	79	118
P 420 580	104P09	104,00	FIAT	65,15	52	22,5	108,5	38	80	118
P 420 595	104P10	104,00	FIAT	62,4	52,45	24,26	96,42	38	81	118
P 420 615	104P11	104,00	FIAT	65,15	54,45	22,45	108,6	38	82	119
P 685 110	104P12	104,00	HINO	60,15	51,55	18,4	106,205	35	1	147
P 520 125	104P13	104,00	MITSUBISHI	62,13	49	22,86	112,15	36	6	276
P 415 105	104P14	104,18	DAF	81,92	60,2	24,84	132,72	38	4	81
P 415 140	104P15	104,18	DAF	80	60	23,5	130	42	5	81
P 415 145	104P16	104,18	DAF	80	56	21,35	130	42	6	81
P 425 210	104P17	104,77	FORD	71	51,75	25,9	118	34,925	15	130
P 425 230	104P18	104,77	FORD	71,25	51,5	27,9	119,65	36,51	16	131
P 620 260	104P19	104,77	VOLVO	88,45	60	26,2	141,05	45	10	384
P 620 275	104P20	104,77	VOLVO	88,45	60	26,2	141,05	45	11	384
P 425 120	104P21	104,775	FORD	71	51,5	25,8	118	34,925	17	131
P 620 140	104P22	104,775	VOLVO	88,45	55	26,7	141,05	45	12	384
P 620 145	104P23	104,775	VOLVO	88,45	60	26,2	141,05	45	13	385
P 620 150	104P24	104,775	VOLVO	88,45	60	26,2	141,05	45	14	385
P 620 195	104P25	104,775	VOLVO	88,45	64,9	20,95	141	45	15	385
P 620 225	104P26	104,775	VOLVO	88,45	60	26,2	141,05	45	16	386
P 620 285	104P27	104,775	VOLVO	88,45	61	20,2	132,55	45	17	386
P 620 290	104P28	104,775	VOLVO	88,45	61	20,1	132,45	45	18	386
P 395 100	104P29	104,78	CASE	73,025	-	-	133,35	34,51	2	59

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 390 100	105P01	105,00	BUCH	71,6	-	12,8	134,5	38	1	58
P 390 105	105P02	105,00	BUCH	71,5	-	12,6	127,95	38	2	58
P 470 100	105P03	105,00	KOMATSU	69	59	22,2	107,65	40	2	190
P 470 125	105P04	105,00	KOMATSU	69,15	-	22	107,65	40	3	190
P 720 100	105P05	105,00	KOMPRESÖR	62,5	-	-	90	25	1	195
P 500 195	105P06	105,00	LOMBARDINI	55,04	54	18	105,46	28	53	236
P 500 225	105P07	105,00	LOMBARDINI	69,06	59	21,7	118,95	35	54	236
P 500 255	105P08	105,00	LOMBARDINI	62,95	57,2	21,55	111	35	55	237
P 500 260	105P09	105,00	LOMBARDINI	63	61,3	17,55	105	35	56	237
P 500 390	105P10	105,00	LOMBARDIN	69	59,3	24	119	35	57	237
P 525 115	105P11	105,00	MWM	60,4	62	20,25	113,4	35	6	219
P 525 110	105P12	105,00	MWM	59,8	62	19,8	112,8	32	7	280
P 525 120	105P13	105,00	MWM	60,4	60	20,4	102,4	35	8	280
P 525 125	105P14	105,00	MWM	60,4	-	4,9	113,4	35	9	280
P 525 130	105P15	105,00	MWM	59,8	62	19,8	112,8	32	10	281
P 525 135	105P16	105,00	MWM	60,4	62	20,25	113,4	35	11	281
P 525 155	105P17	105,00	MWM	66,4	60	21,7	102,4	35	12	281
P 540 405	105P18	105,00	PERKINS	70,1	51,35	22,35	108	39,7	64	313
P 540 415	105P19	105,00	PERKINS	70,1	55,2	21,95	108	39,7	65	313
P 575 105	105P20	105,00	SAME	70	49	22,4	120	35	3	343
P 575 115	105P21	105,00	SAME	69,06	-	21,7	118,95	35	4	344
P 575 125	105P22	105,00	SAME	57,25	59,9	19,65	97,25	35	5	344
P 575 130	105P23	105,00	SAME	57,3	60,05	20,83	97,3	35	6	344
P 575 135	105P24	105,00	SAME	57,23	57,65	19,35	97,285	35	7	345
P 595 115	105P25	105,00	STEYR	69,5	54,5	24,25	125	38	6	366
P 595 120	105P26	105,00	STEYR	69,5	-	24,25	125	40	7	367
P 630 100	105P27	105,57	VOLVO/BM	84,1	54,5	23,1	135,1	40	1	394
P 630 105	105P28	105,57	VOLVO/BM	84,1	54,5	24,85	135,1	42	2	394
P 630 115	105P29	105,57	VOLVO/BM	84,1	54,5	23,1	135,1	42	3	394
P 630 120	105P30	105,57	VOLVO/BM	80,1	58,5	80,1	131,1	42	4	395
P 630 125	105P31	105,57	VOLVO/BM	80,1	58	19,7	131,1	42	5	395
P 630 135	105P32	105,57	VOLVO/BM	84,1	54,5	23,1	135,1	40	6	395
P 630 140	105P33	105,57	VOLVO/BM	80,1	65	19,7	131,1	42	7	396
P 630 150	105P34	105,57	VOLVO/BM	84,1	54,5	23,1	135,1	42	8	396

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 630 155	105P35	105,57	VOLVO/BM	80,1	58,5	19,7	131,1	42	9	396
P 630 160	105P36	105,57	VOLVO/BM	84,1	54,5	23,1	135,1	42	10	397
P 500 280	106P01	106,00	LOMBARDINI	65	54,5	20,4	102	32	58	238
P 455 115	106P02	106,50	JOHN DEERE	66,42	58,2	18,75	112	34,925	9	167
P 455 120	106P03	106,50	JOHN DEERE	66,42	58,4	19,65	112	41,29	10	168
P 455 125	106P04	106,50	JOHN DEERE	66,42	58,4	19,65	112	41,29	11	168
P 455 130	106P05	106,50	JOHN DEERE	66,42	58,4	18,75	112	34,925	12	168
P 455 155	106P06	106,50	JOHN DEERE	66,3	58,5	18,8	112	41,29	13	169
P 455 180	106P07	106,50	JOHN DEERE	71,6	56,9	25,4	104,6	41,275	14	169
P 455 185	106P08	106,50	JOHN DEERE	66,3	58,5	18,9	95,5	32	15	169
P 455 190	106P09	106,50	JOHN DEERE	71,7	60	22,15	120	41,275	16	170
P 455 195	106P10	106,50	JOHN DEERE	71,65	57	25,5	100,8	34,925	17	170
P 455 200	106P11	106,50	JOHN DEERE	71,65	57,3	23,65	100,6	34,925	18	170
P 455 210	106P12	106,50	JOHN DEERE	66,3	58,5	18,85	112	34,925	19	171
P 455 225	106P13	106,50	JOHN DEERE	66,3	58,4	18,75	112	34,925	20	171
P 455 245	106P14	106,50	JOHN DEERE	66,3	58,4	18,8	112	41,275	21	171
P 455 265	106P15	106,50	JOHN DEERE	71,7	60,1	22,73	124,5	34,925	22	172
P 455 250	106P16	106,50	JOHN DEERE	71,7	60,15	21,9	120	41,275	23	172
P 455 270	106P17	106,50	JOHN DEERE	71,7	60,2	22,6	124,5	41,275	24	172
P 425 125	106P18	106,68	FORD	75,2	53	19	134,2	38,1	18	131
P 425 205	106P19	106,68	FORD	75,22	63,5	13,15	134,18	38,1	19	132
P 425 130	106P20	106,69	FORD	70,18	63,75	17,28	129,18	38,1	20	132
P 425 135	107P01	107,21	FORD	71,2	51,5	26,9	120	36,51	21	132
P 425 220	107P02	107,21	FORD	71,25	58,7	23,3	119,9	36,51	22	133
P 485 110	107P03	107,21	LEYLAND	82,1	71,1	19,5	145,5	33,02	7	208
P 485 125	107P04	107,21	LEYLAND	82,131	71,3	19,355	145,593	41,275	8	208
P 485 130	107P05	107,21	LEYLAND	82,14	71,3	19,6	145,8	33,78	9	208
P 485 160	107P06	107,21	LEYLAND	82,13	71	19,355	145,593	41,275	10	209
P 360 110	107P07	107,95	ALLIS CHALMERS	79,95	76	14,55	147,95	38,13	2	42
P 360 105	107P08	107,95	ALLIS CHALMERS	107,671	-	21,615	177,546	50,851	3	42
P 370 100	107P09	107,95	ARMSTRONG	95,15	60,3	28	146	38,1	1	45
P 370 105	107P10	107,95	ARMSTRONG	66,27	60	29,8	115,35	31,75	2	45
P 455 165	107P11	107,95	JOHN DEERE	70	63,5	18,5	124,5	38,1	25	173
P 455 230	107P12	107,95	JOHN DEERE	69,85	61	21	124,2	41,275	26	173

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 455 235	107P13	107,95	JOHN DEERE	69,95	63,2	18,15	124,4	38,1	27	173
P 455 240	107P14	107,95	JOHN DEERE	70,15	67,85	14,75	124,6	38,1	28	174
P 495 155	107P15	107,95	LISTER	73,076	-	20,7	127	39,7	9	214
P 502 100	107P16	107,95	LOKOMO	78,4	-	28,35	132,6	40	2	217
P 502 105	107P17	107,95	LOKOMO	70,7	61,5	21	122,7	40	3	217
P 502 110	107P18	107,95	LOKOMO	70,7	55,4	23,5	122,7	40	4	218
P 502 120	107P19	107,95	LOKOMO	70,65	-	19,1	106,7	40	5	218
P 502 125	107P20	107,95	LOKOMO	70,65	-	19	106,65	40	6	218
P 540 285	107P21	107,95	PERKINS	68,17	68,25	19,6	114,1	44,45	66	313
P 540 440	107P22	107,95	PERKINS	73,876	63,5	22,13	124,651	36,512	67	314
P 420 195	108P01	108,00	FIAT	80,2	49	26,5	145,2	38	83	119
P 435 125	108P02	108,00	HATZ	71	56	20,5	109	35	7	146
P 685 115	108P03	108,00	HINO	69,48	60	21,16	121,5	39	2	147
P 455 145	108P04	108,00	JOHN DEERE	70	63,5	18,8	124,5	38,1	29	174
P 455 150	108P05	108,00	JOHN DEERE	70	68,75	15	124,3	38,1	30	174
P 465 270	108P06	108,00	KHD	70,85	64,7	19,6	107,8	45	25	185
P 495 130	108P07	108,00	LISTER	73,076	-	20,7	127	39,7	10	215
P 495 145	108P08	108,00	LISTER	73,076	50,9	20,7	127	39,7	11	215
P 505 110	108P09	108,00	MAN	89	42,5	41,8	145,5	42	3	242
P 505 165	108P10	108,00	MAN	73	63	21,25	113	40	4	243
P 505 220	108P11	108,00	MAN	73	70	16,15	113	40	5	243
P 530 105	108P12	108,00	NISSAN	65,5	56,5	21,2	103,6	36	4	284
P 530 106	108P13	108,00	NISSAN	65,5	56,5	21,2	103,6	36	5	284
P 615 105	108P14	108,00	UTB	87	61,3	23,5	141	40	3	373
P 845 100	109P01	109,22	NAVISTAR	94,15	65,5	18,8	127,6	41,275	1	282
P 845 105	109P04	109,22	NAVISTAR	86,6	65,5	23	127,8	41,275	2	282
P 440 175	109P02	109,23	IHC	86,347	65,5	21,946	127,508	41,275	28	160
P 455 220	109P03	109,73	JOHN DEERE	75,65	63,1	19,2	129,65	38,1	31	175
P 420 200	110P01	110,00	FIAT	70,2	55	28	140,2	40	84	119
P 420 205	110P02	110,00	FIAT	70,2	55	28	140,2	40	85	120
P 420 210	110P03	110,00	FIAT	75,2	51	27,5	150,2	40	86	120
P 420 335	110P04	110,00	FIAT	75,2	51	27,5	150,2	40	87	120
P 685 120	110P05	110,00	HINO	69,48	58,3	19,3	121,51	39	3	147
P 465 140	110P06	110,00	KHD	87	-	10,5	154	40	26	185

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 465 145	110P07	110,00	KHD	92	-	8,7	159	40	27	185
P 465 150	110P08	110,00	KHD	87	-	-	154	40	28	186
P 470 130	110P09	110,00	KOMATSU	69,15	-	20,4	116,05	40	4	191
P 470 135	110P10	110,00	KOMATSU	69,2	-	22	116,2	40	5	191
P 501 100	110P11	110,00	LUPAMAT	60	-	-	105	30	3	240
P 501 110	110P12	110,00	LUPAMAT	60	-	-	90	24	4	241
P 520 110	110P13	110,00	MITSUBISHI	77,6	-	12	152,5	40	7	277
P 520 130	110P14	110,00	MITSUBISHI	77,6	-	12	152,5	40	8	277
P 650 115	110P15	110,00	ZETOR	76	55	22	128	40	6	405
P 595 135	110P16	110,00	STEYR	80	-	10,5	155	40	8	367
P 395 105	111P01	111,12	CASE	73,508	-	23,5	134,112	38,1	3	59
P 395 120	111P02	111,125	CASE	73,42	62,1	23	134	38,1	4	60
P 630 110	111P03	111,125	VOLVO/BM	85,5	59	26,5	148,5	40	11	397
P 630 145	111P04	111,125	VOLVO/BM	85,5	59	26,5	145,5	40	12	397
P 425 140	111P05	111,76	FORD	67,8	63,5	19	126,7	41,275	23	133
P 425 145	111P06	111,76	FORD	70,4	56	23,8	129,4	41,275	24	133
P 425 150	111P07	111,76	FORD	70,55	63,5	18,5	129,55	38,1	25	134
P 425 155	111P08	111,76	FORD	68,12	63,6	19,82	127,12	38,1	26	134
P 425 190	111P09	111,76	FORD	70,4	56	22,4	129,4	41,275	27	134
P 425 195	111P10	111,76	FORD	68,12	61,95	19,26	127	38,1	28	135
P 425 200	111P11	111,76	FORD	72,95	56,5	22,8	110,92	41,275	29	135
P 425 225	111P12	111,76	FORD	73,2	61,85	21,6	126,65	38,1	30	135
P 425 240	111P13	111,76	FORD	72,9	61,85	19,8	126,3	41,275	31	136
P 425 245	111P14	111,76	FORD	80,8	61,8	18,5	134,05	38,1	32	136
P 425 250	111P15	111,76	FORD	68,12	63,6	19,76	127	38,1	33	136
P 425 255	111P16	111,76	FORD	70,66	63,5	18,57	129,51	38,1	34	137
P 425 260	111P17	111,76	FORD	68,12	61,95	19,71	127	38,1	35	137
P 425 265	111P18	111,76	FORD	68,12	61,95	19,26	127	38,1	36	137
P 425 270	111P19	111,76	FORD	68,12	58	21,96	127,12	38,1	37	138
P 425 295	111P20	111,76	FORD	72,9	61,85	19,8	126,3	41,275	38	138
P 425 160	111P21	111,77	FORD	68,12	58	21,96	127,12	38,1	39	138
P 410 235	111P22	111,785	CUMMINS	75,5	58,5	22,3	113,5	44,45	15	74
P 410 240	111P23	111,785	CUMMINS	67,75	57,25	20	105,75	41,29	16	75
P 410 100	112P01	112,713	CUMMINS	77,19	-	-	125,01	38,07	17	75

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 360 100	112P02	112,725	ALLIS CHALMERS	91,745	-	30,099	152,97	41,316	4	43
P 410 160	114P01	114,00	CUMMINS	79,01	58	24,6	120,6	45	18	75
P 410 165	114P02	114,00	CUMMINS	78,8	63,45	21,8	120,35	45	19	76
P 410 170	114P03	114,00	CUMMINS	78,82	55,6	25	120,4	45	20	76
P 410 175	114P04	114,00	CUMMINS	78,75	60,5	25,5	120,45	45	21	76
P 410 180	114P05	114,00	CUMMINS	78,82	63,5	21,8	120,32	45	22	77
P 410 205	114P06	114,00	CUMMINS	78,7	55,6	24,9	120,2	45	23	77
P 410 215	114P07	114,00	CUMMINS	79	56,6	24,05	120,6	45	24	77
P 410 225	114P08	114,00	CUMMINS	78,8	66	21,25	120,27	45	25	78
P 410 245	114P09	114,00	CUMMINS	79,02	69,5	19,28	120,52	45	26	78
P 410 250	114P10	114,00	CUMMINS	79,01	81	14,44	115,5	45	27	78
P 400 100	114P11	114,30	CATERPILLAR	58,93	63,5	20,93	93,23	38,1	1	61
P 400 105	114P12	114,30	CATERPILLAR	58,93	63,5	20,93	93,23	38,1	2	61
P 400 110	114P13	114,30	CATERPILLAR	58,9	-	11,8	93,2	38,1	3	61
P 400 115	114P14	114,30	CATERPILLAR	95,5	-	12,5	139,7	38,1	4	62
P 400 185	114P15	114,30	CATERPILLAR	58,877	63,5	21,031	93,218	38,1	5	62
P 440 165	114P16	114,30	IHC	74,701	63	21	124,222	41,275	29	160
P 495 135	114P17	114,30	LISTER	64,7	-	-	137,16	31,75	12	215
P 495 150	114P18	114,30	LISTER	64,834	-	-	137,16	41,275	13	216
P 540 200	114P19	114,30	PERKINS	70,676	66	24,08	124,612	36,512	68	314
P 420 215	115P01	115,00	FIAT	76,5	52	27	140,5	42	88	121
P 420 220	115P02	115,00	FIAT	76,5	54	29,4	140,5	42	89	121
P 420 315	115P03	115,00	FIAT	76,5	59,3	29	140,5	42	90	121
P 420 330	115P04	115,00	FIAT	76,5	59,2	27,7	126,5	42	91	122
P 420 345	115P05	115,00	FIAT	76,5	54	29,4	140,5	42	92	122
P 420 360	115P06	115,00	FIAT	76,5	54	27,7	140,5	42	93	122
P 420 375	115P07	115,00	FIAT	70,5	54	29,4	140,5	40	94	123
P 510 215	115P08	115,00	MERCEDES-BENZ	85,3	65	22	133,3	42	40	266
P 510 220	115P09	115,00	MERCEDES-BENZ	85,3	65	22	133,3	42	41	266
P 585 100	115P10	115,00	SCANIA	87,35	69	22,05	139,35	50	1	349
P 585 105	115P11	115,00	SCANIA	87,35	69	22,05	139,35	50	2	349
P 585 110	115P12	115,00	SCANIA	87,4	69	20,23	139,4	50	3	349
P 585 115	115P13	115,00	SCANIA	96	75,5	18,1	158,2	42	4	350
P 585 120	115P14	115,00	SCANIA	96,1	75,1	18,1	150,1	46	5	350

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 585 125	115P15	115,00	SCANIA	96,1	69	21	150,1	46	6	350
P 585 180	115P16	115,00	SCANIA	96,1	75	18,1	150,1	46	7	351
P 585 195	115P17	115,00	SCANIA	96	75,5	18,1	158,2	42	8	351
P 585 255	115P18	115,00	SCANIA	83,4	71,5	20,5	130,95	50	9	351
P 375 105	115P19	115,89	BEDFORD	75,8	-	23	122,4	38,1	3	53
P 375 115	115P20	115,89	BEDFORD	76,02	63	25,3	122,49	44,445	4	54
P 455 175	115P21	115,90	JOHN DEERE	70,35	68,5	19,5	124,9	47,61	32	175
P 455 260	115P22	115,90	JOHN DEERE	70,4	68,45	19,6	124,9	47,625	33	175
P 395 115	117P01	117,475	CASE	73,3	68	20,6	133,8	41,275	5	60
P 395 135	117P02	117,475	CASE	73,25	68,3	20,7	133,6	41,275	6	60
P 415 110	118P01	118,00	DAF	95	61	26,3	152	42	7	82
P 415 120	118P02	118,00	DAF	95	64,84	26,3	152	42	8	82
P 415 150	118P03	118,00	DAF	91,95	60	25	140	48	9	82
P 365 100	120P01	120,00	ANDORIA	100	0	43	165,6	45	1	44
P 380 130	120P02	120,00	BERLIET/RVI	83,82	84,9	26,5	134,82	49,975	1	55
P 430 100	120P03	120,00	HANOMAG	95	-	10	165	48	4	142
P 430 105	120P04	120,00	HANOMAG	101,35	-	22,5	159,35	48	5	142
P 460 125	120P05	120,00	KAMAS	75,85	-	26	122,3	45	1	176
P 460 130	120P06	120,00	KAMAS	75,85	60	26	122,3	45	2	176
P 465 155	120P07	120,00	KHD	87	-	13	154	45	29	186
P 465 160	120P08	120,00	KHD	90,16	-	44,55	145,25	45	30	186
P 465 175	120P09	120,00	KHD	94,86	-	46	155,9	45	31	187
P 465 225	120P10	120,00	KHD	87,66	-	45,65	140,75	45	32	187
P 570 100	120P11	120,00	RUSSIAN	90,25	44,35	31	160	45	1	341
P 570 105	120P12	120,00	RUSSIAN	90,25	44,35	31	160	45	2	341
P 605 100	120P13	120,00	TATRA	85	61,1	28	130,5	45	1	369
P 605 105	120P14	120,00	TATRA	84,8	61,2	27,6	130,3	45	2	369
P 605 110	120P15	120,00	TATRA	85,35	63,5	26,15	140,85	45	3	369
P 620 300	120P16	120,00	VOLVO	85,35	78	15	130	54	19	387
P 645 100	120P17	120,00	ZET	95,2	45,3	46	138,1	45	1	403
P 645 105	120P18	120,00	ZET	95,1	44,3	45,85	156	45	2	403
P 400 140	120P19	120,65	CATERPILLAR	73,9	0	14,2	115,05	43,18	6	62
P 400 135	120P20	120,65	CATERPILLAR	73,9	-	14,2	115,05	38,12	7	63
P 400 125	120P21	120,65	CATERPILLAR	73,9	85,09	19,8	129,9	43,18	8	63

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 620 155	120P22	120,65	VOLVO	109,45	71	29,15	166,45	52	20	387
P 620 200	120P23	120,65	VOLVO	109,45	74	22,2	166,45	52	21	387
P 620 205	120P24	120,65	VOLVO	109,4	76	23,15	166,4	52	22	388
P 620 210	120P25	120,65	VOLVO	109,4	76	28	166,4	52	23	388
P 620 215	120P26	120,65	VOLVO	109,45	71	27,65	166,45	52	24	388
P 620 220	120P27	120,65	VOLVO	109,45	74	22,2	166,45	52	25	389
P 620 265	120P28	120,65	VOLVO	109,45	76	24,2	155,55	52	26	389
P 505 115	121P01	121,00	MAN	94	47,15	48,4	162	45	6	243
P 505 120	121P02	121,00	MAN	94	47,25	46	162	45	7	244
P 505 125	121P03	121,00	MAN	94	47,2	48,35	162	45	8	244
P 505 130	121P04	121,00	MAN	94	47	48,6	162	45	9	244
P 555 100	121P05	121,00	RABA	94	47	48,4	162	45	1	332
P 555 105	121P06	121,00	RABA	93,8	-	48,9	161,8	45	2	332
P 555 110	121P07	121,00	RABA	94	73	28	155	45	3	332
P 420 225	122P01	122,00	FIAT	80,2	65,5	28	150	42	95	123
P 505 135	123P01	123,00	MAN	94	48,5	50,5	162	45	10	245
P 555 115	123P02	123,00	RABA	94	48,5	50,5	162	45	4	333
P 420 230	125P01	125,00	FIAT	92,5	-	27,5	158	44	96	123
P 420 410	125P02	125,00	FIAT	80,2	68,25	30	150	44	97	124
P 450 100	125P03	125,00	JENBACHER	95	33	42	158,5	48	1	164
P 450 105	125P04	125,00	JENBACHER	83,8	-	5	158,8	45	2	164
P 465 165	125P05	125,00	KHD	87,4	48	47,65	138,65	45	33	187
P 465 180	125P06	125,00	KHD	87,4	74	23,85	138,65	45	34	188
P 465 260	125P07	125,00	KHD	87,4	74	23,85	133,4	45	35	188
P 465 265	125P08	125,00	KHD	87,4	66	23,85	133,4	45	36	188
P 505 140	125P09	125,00	MAN	89,87	49,5	43,97	141,87	46	11	245
P 505 155	125P10	125,00	MAN	92,4	49,5	47,1	137,4	46	12	245
P 505 170	125P11	125,00	MAN	92,3	47,4	44,9	137,3	46	13	246
P 505 190	125P12	125,00	MAN	92,3	47,3	44,9	137,3	46	14	246
P 510 225	125P13	125,00	MERCEDES-BENZ	87,25	65	23,5	137,25	46	42	266
P 510 300	125P14	125,00	MERCEDES-BENZ	84,75	70	26	139,75	46	43	267
P 510 305	125P15	125,00	MERCEDES-BENZ	87,45	68	25,1	133,85	46	44	267
P 510 310	125P16	125,00	MERCEDES-BENZ	84,85	75	23,9	139,85	46	45	267
P 510 325	125P17	125,00	MERCEDES-BENZ	84,85	75	23	139,85	46	46	268

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 510 330	125P18	125,00	MERCEDES-BENZ	81,25	69	24,5	126,25	46	47	268
P 520 115	125P19	125,00	MITSUBISHI	84,4	-	28	132	46	9	277
P 665 100	127P01	127,00	DORMEN	101,67	73,6	30,5	154	44,45	1	87
P 485 115	127P02	127,00	LEYLAND	101	71,5	29,6	169,6	41,275	11	209
P 485 120	127P03	127,00	LEYLAND	101	-	29,6	169,6	44,7	12	209
P 485 145	127P04	127,00	LEYLAND	101	71,4	29,6	169,3	44,7	13	210
P 585 135	127P05	127,00	SCANIA	94,67	75,5	26,2	146,67	50	10	352
P 585 140	127P06	127,00	SCANIA	94,67	75,5	24	146,67	50	11	352
P 585 145	127P07	127,00	SCANIA	98,5	76	26,8	166	47	12	352
P 585 150	127P08	127,00	SCANIA	98,76	75,8	27,06	156,26	50	13	353
P 585 155	127P09	127,00	SCANIA	98,5	76	26,8	166	47	14	353
P 585 160	127P10	127,00	SCANIA	98,76	76	27,06	156,26	50	15	353
P 585 165	127P11	127,00	SCANIA	98,76	76	27,06	156,26	50	16	354
P 585 170	127P12	127,00	SCANIA	98,76	75,8	25,41	156,26	50	17	354
P 585 175	127P13	127,00	SCANIA	94,67	75,5	26,2	146,67	50	18	354
P 585 185	127P14	127,00	SCANIA	98,5	76	26,8	166	47	19	355
P 585 190	127P15	127,00	SCANIA	98,5	76	26,8	166	47	20	355
P 585 200	127P16	127,00	SCANIA	94,67	75	26,2	146,67	50	21	355
P 585 215	127P17	127,00	SCANIA	98,76	75,14	24,5	156,26	50	22	356
P 585 220	127P18	127,00	SCANIA	98,76	75,8	27,06	156,26	50	23	356
P 585 225	127P19	127,00	SCANIA	98,76	90	16,52	156,26	50	24	356
P 585 230	127P20	127,00	SCANIA	94,67	75,2	26,2	146,67	50	25	357
P 585 235	127P21	127,00	SCANIA	94,67	75,5	26,2	146,67	50	26	357
P 585 240	127P22	127,00	SCANIA	103,45	74	26	166,2	47	27	357
P 585 245	127P23	127,00	SCANIA	103,45	74	26	166,2	47	28	358
P 585 250	127P24	127,00	SCANIA	98,5	75,5	26,8	166	47	29	358
P 585 260	127P25	127,00	SCANIA	94,67	75,5	24	146,67	50	30	358
P 585 265	127P26	127,00	SCANIA	98,76	76	24,5	156,26	50	31	359
P 585 270	127P27	127,00	SCANIA	94,67	75,5	26,2	146,67	50	32	359
P 585 275	127P28	127,00	SCANIA	94,67	75	26,2	146,67	50	33	359
P 585 280	127P29	127,00	SCANIA	94,67	89,35	15,92	146,67	50	34	360
P 585 285	127P30	127,00	SCANIA	94,67	89,35	15,92	146,67	50	35	360
P 585 290	127P31	127,00	SCANIA	94,67	75	23,85	146,67	50	36	360
P 585 295	127P32	127,00	SCANIA	94,67	75,5	26,2	146,67	50	37	361

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 585 300	127P33	127,00	SCANIA	94,67	83	19,5	146,67	50	38	361
P 430 110	128P01	128,00	HANOMAG	101	68	25,8	159	48	6	142
P 430 115	128P02	128,00	HANOMAG	101,35	68	24	159,35	48	7	143
P 430 140	128P03	128,00	HANOMAG	101	68	25,8	159	48	8	143
P 505 145	128P04	128,00	MAN	89,8	69,8	32,2	141,8	46	15	246
P 505 150	128P05	128,00	MAN	89,87	67	31,07	141,87	46	16	247
P 505 160	128P06	128,00	MAN	89,75	75,5	24,4	141,75	46	17	247
P 505 175	128P07	128,00	MAN	89,75	81	24,4	141,75	46	18	247
P 505 180	128P08	128,00	MAN	89,55	-	24,4	141,55	46	19	248
P 505 185	128P09	128,00	MAN	86,3	49	41	131,3	46	20	248
P 505 195	128P10	128,00	MAN	89,75	76,7	24,4	141,75	46	21	248
P 505 200	128P11	128,00	MAN	89,75	74,2	24,4	141,75	46	22	249
P 505 205	128P12	128,00	MAN	79,25	80	23,1	134,25	50	23	249
P 505 210	128P13	128,00	MAN	79,25	85,05	21,74	134,25	50	24	249
P 505 215	128P14	128,00	MAN	89,75	80	22	141,75	46	25	250
P 505 225	128P15	128,00	MAN	89,75	80	21,6	141,75	46	26	250
P 510 230	128P16	128,00	MERCEDES-BENZ	81,35	70	24,1	126,35	46	48	268
P 510 235	128P17	128,00	MERCEDES-BENZ	81,35	70	24,1	126,35	46	49	269
P 510 240	128P18	128,00	MERCEDES-BENZ	81,35	70	25,4	126,35	46	50	269
P 510 245	128P19	128,00	MERCEDES-BENZ	81,45	66,8	24,6	126,45	46	51	269
P 510 250	128P20	128,00	MERCEDES-BENZ	85,26	75	25,5	161,26	44	52	270
P 510 255	128P21	128,00	MERCEDES-BENZ	90,26	70	26,8	161,26	48	53	270
P 510 260	128P22	128,00	MERCEDES-BENZ	90,26	70	28,5	161,06	48	54	270
P 510 315	128P23	128,00	MERCEDES-BENZ	81,35	66,45	27,5	126,35	46	55	271
P 510 355	128P24	128,00	MERCEDES-BENZ	90	75	24	139,85	46	56	271
P 510 360	128P25	128,00	MERCEDES-BENZ	90	76,85	24	140	46	57	271
P 510 380	128P26	128,00	MERCEDES-BENZ	90	89,5	18	140,05	52	58	272
P 510 390	128P27	128,00	MERCEDES-BENZ	81,35	66,45	27,5	126,35	46	59	272
P 510 395	128P28	128,00	MERCEDES-BENZ	81,35	66,45	27,5	126,35	46	60	272
P 510 405	128P29	128,00	MERCEDES-BENZ	81,35	66,4	27,5	126,35	46	61	273
P 510 410	128P30	128,00	MERCEDES-BENZ	81,45	65	23,2	126,45	46	62	273
P 510 415	128P31	128,00	MERCEDES-BENZ	81,45	72,5	24	126,45	46	63	273
P 510 435	128P32	128,00	MERCEDES-BENZ	81,45	66,7	24,6	126,45	46	64	274
P 415 100	130P01	130,00	DAF	101	71,5	29,3	169,5	48	10	83

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 415 125	130P02	130,00	DAF	101	75	29,42	157	52	11	83
P 415 130	130P03	130,00	DAF	101	79	26,32	157	52	12	83
P 415 155	130P04	130,00	DAF	101	74,5	29	169,5	52	13	84
P 415 165	130P05	130,00	DAF	101	74,6	29,1	169,5	48	14	84
P 415 170	130P06	130,00	DAF	95	82	21,75	143	52	15	84
P 490 100	130P07	130,00	LIAZ	85	75	28	148,3	50	1	211
P 490 105	130P08	130,00	LIAZ	85	75	28	149	45	2	211
P 500 310	130P09	130,00	LOMBARDINI	94,34	73,2	24	152,4	48	59	238
P 500 320	130P10	130,00	LOMBARDINI	94,5	76,7	24	152,5	48	60	238
P 500 330	130P11	130,00	LOMBARDINI	94,5	67	32,95	152,6	48	61	239
P 500 420	130P12	130,00	LOMBARDINI	94,5	72	27,5	152,5	48	62	239
P 510 320	130P13	130,00	MERCEDES-BENZ	81,35	60,35	27,2	126,35	46	65	274
P 510 420	130P14	130,00	MERCEDES-BENZ	78,55	92,8	16,25	123,55	52	66	274
P 540 360	130P15	130,00	PERKINS	99,44	73,65	34,65	168,64	50.80	69	314
P 540 365	130P16	130,00	PERKINS	99,98	97	22,76	163,02	50.80	70	315
P 540 390	130P17	130,017	PERKINS	96,26	76,04	27,48	168,46	50.80	71	315
P 620 280	130P18	130,17	VOLVO	114,2	79	24,12	175,2	55	27	389
P 410 105	130P19	130,175	CUMMINS	101,6	-	-	158,75	50,77	28	79
P 410 110	130P20	130,175	CUMMINS	101,93	102	-	158,75	50,77	29	79
P 620 160	130P21	130,175	VOLVO	114,2	-	31,74	175,2	55	28	390
P 620 165	130P22	130,175	VOLVO	114,2	75	31,55	175,2	55	29	390
P 620 170	130P23	130,175	VOLVO	114,2	83	27,1	175,2	55	30	390
P 620 175	130P24	130,175	VOLVO	114,2	79	27,9	175,2	55	31	391
P 620 180	130P25	130,175	VOLVO	114,2	79	27,9	175,2	55	32	391
P 620 185	130P26	130,175	VOLVO	114,2	79	25,4	175,2	55	33	391
P 620 230	130P27	130,175	VOLVO	114,2	-	31,74	175,2	55	34	392
P 620 235	130P28	130,175	VOLVO	114,2	75	31,55	175,2	55	35	392
P 620 240	130P29	130,175	VOLVO	114,2	83	27,1	175,2	55	36	392
P 620 245	130P30	130,175	VOLVO	114,2	79	27,95	175,2	55	37	393
P 620 250	130P31	130,175	VOLVO	114,2	79	27,2	175,2	55	38	393
P 620 255	130P32	130,175	VOLVO	114,2	79	25,4	175,2	55	39	393
P 465 255	132P01	132,00	KHD	86,8	84	18,77	133,8	52	37	189
P 530 150	133P01	133,00	NISSAN	81,9	67	30,16	131,9	46	6	284
P 360 105	133P02	133,350	ALLIS CHALMERS	107,671	-	21,615	177,546	50,851	5	43

Taslak Piston Referans Numaraları / *Raw Piston Reference Numbers*

REFERANS *Reference*	TASLAK NO *Raw Piston No.*	Ø ÇAP (mm) *Diameter*	PİSTON ADI *Piston Name*	KOMPRESYON YÜKSEKLİĞİ *Compression Height*	YANMA OD. Ø *Bowl Diameter*	YANMA OD. DERİNLİĞİ *Bowl Depth*	TAM BOY *Total Length*	PİM Ø ÇAP (mm) *Pin Diameter*	SIRA NO *Row Number*	SAYFA NO *Page Number*
P 380 100	135P01	135,00	BERLIET/RVI	90,3	78	29,12	170,2	55	2	55
P 380 105	135P02	135,00	BERLIET/RVI	90,3	77,9	26	170,1	55	3	55
P 380 115	135P03	135,00	BERLIET/RVI	90,3	78	29,12	170,2	55	4	56
P 380 120	135P04	135,00	BERLIET/RVI	90,3	77,9	26	170,1	55	5	56
P 420 265	135P05	135,00	FIAT	95	66,8	32,4	199,8	48	98	124
P 445 120	135P06	135,00	ISUZU	89,15	73	26	149,4	50	7	163
P 445 130	135P07	135,00	ISUZU	81,6	78,2	27,2	142,5	50	8	163
P 450 115	135P08	135,00	JENBACHER	107,9	-	39	157	55	3	164
P 540 355	135P09	135,00	PERKINS	99,29	78	30	158,75	55	72	315
P 380 110	135P10	135,05	BERLIET/RVI	90,35	77,7	21,8	149,4	55	6	56
P 420 235	137P01	137,00	FIAT	92	67,3	32,4	167	48	99	124
P 420 510	137P02	137,00	FIAT	92	72	33	167	50	100	125
P 400 145	137P03	137,16	CATERPILLAR	88	-	16	137,5	50,8	9	63
P 400 150	137P04	137,16	CATERPILLAR	88	-	17,8	137,5	50,8	10	64
P 400 155	137P05	137,16	CATERPILLAR	90	-	16,5	139,5	50,8	11	64
P 400 160	137P06	137,16	CATERPILLAR	90	-	18,5	139,5	50,8	12	64
P 400 165	137P07	137,16	CATERPILLAR	104,47	-	-	157,3	50,8	13	65
P 400 170	137P08	137,16	CATERPILLAR	104,5	-	-	157,4	50,8	14	65
P 410 115	139P01	139,70	CUMMINS	95,6	-	9,9	152,7	50,77	30	79
P 565 100	140P01	140,00	ROMANIA	128	-	-	218	52	1	340
P 400 175	146P01	146,05	CATERPILLAR	131,76	-	21,7	208	60,703	15	65
P 400 180	146P02	146,05	CATERPILLAR	131,76	-	21,7	208	60,703	16	66
P 470 105	155P01	155,00	KOMATSU	102,5	-	15,8	167,5	60	6	191
P 470 115	155P02	155,00	KOMATSU	102,5	-	15,8	167,5	60	7	192
P 470 110	155P03	155,00	KOMATSU	105	-	23	170	60	8	192
P 665 105	158P01	158,75	DORMEN	133,45	87,31	37,77	196,85	63,5	2	87
P 665 110	158P02	158,75	DORMEN	132,55	110	32,23	195,98	63,5	3	87
P 472 115	185P01	185,00	KOMSAN/GRASSO	82	-	-	145	35	3	193
P 472 120	220P01	220,00	KOMSAN/GRASSO	95	-	-	175	35	4	194

NOTLAR/NOTES

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Tel : +90 332 239 04 74 Fax :+90 332 239 00 33
pistonsan@pistonsan.com.tr - info@meplinpiston.com

Turkey

www.kosgeb.gov.tr
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