

KOLBEN
PISTONS
PISTONES
PISTONI
ПОРШНИ



Globally reliable



PISTONS



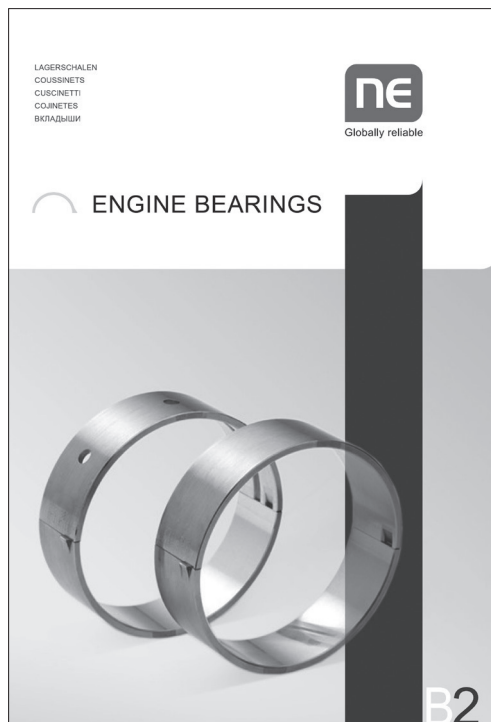
P1 Pistons

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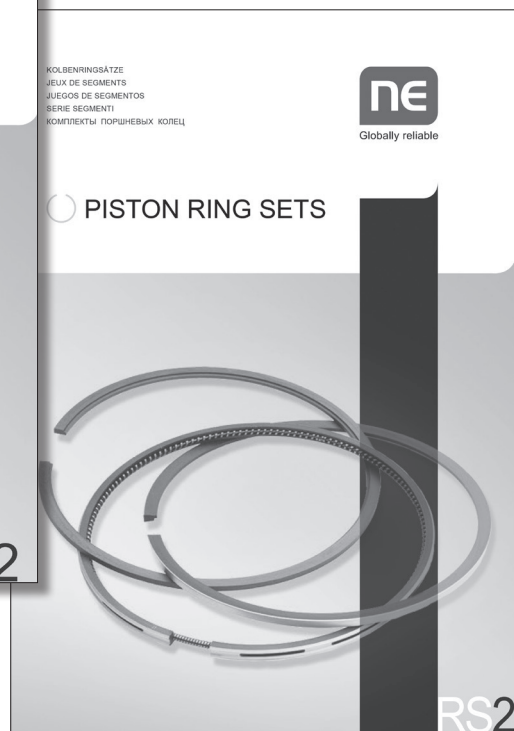
Weitere Kataloge und Produktinformationen

Über den vorliegenden Katalog hinaus erhalten Sie auch weitere Produkte über den Vertrieb der Firma NPR of Europe GmbH.

Fragen Sie nach unserem Lagerschalenprogramm und nutzen Sie auch unseren Produktmanager, der regelmäßig aktualisiert wird.



Katalog B2: Lagerschalen



Katalog RS2: Kolbenringsätze



Produktmanager: gesamtes Programm online

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Hinweise zum Katalog

Die Kolben sind so ausgeführt, dass sie ohne jegliche Nacharbeit eingebaut werden können. Wir haben uns bei der Ausführung der Kolben in Material und Ausführung an die Erstausrüstung der Motorenhersteller angelehnt. Die Spezifikationen der im Satz enthaltenen Ringe können mit Hilfe der Kolbenringquerschnitte und Erklärung der Kurzzeichen den Seiten 8 / 9 entnommen werden. Namen, Beschreibungen und sonstige Angaben von Fahrzeugen sowie Herstellern sind zu Vergleichszwecken angeführt. Die im Katalog aufgeführten Teile entsprechen Ersatzteilen in NE-Qualität

Der Katalog wurde mit größter Sorgfalt erstellt und kontrolliert. Wir haften jedoch nicht für die Folgen etwaiger Irrtümer oder Auslassungen. Weiterhin behalten wir uns notwendige oder technisch vertretbare Änderungen in der Spezifikation der Motorenteile vor, da die Technologie auf dem Motorensektor einer laufenden Weiterentwicklung und Ergänzung unterliegt.

Die Auswahl an Kolben ist ständigen Änderungen unterworfen. Sollten Sie Kolben suchen, die nicht in unserem Katalog aufgeführt sind, fragen Sie bitte bei unseren Mitarbeitern nach. Mit Erscheinen dieses Katalogs verlieren alle bisherigen Ausgaben ihre Gültigkeit. Aufträge werden auf der Grundlage unserer allgemeinen Geschäftsbedingungen angenommen, die im Katalog abgedruckt sind, jederzeit im Internet eingesehen werden können und die wir Ihnen gerne zur Verfügung stellen.

Der Nachdruck oder das Kopieren dieses Katalogs ist untersagt, bildliche Darstellungen sowie der Entwurf sind urheberrechtlich geschützt.

Zertifizierung

Da wir wissen, dass sowohl unsere Produkte als auch unser Service jeder Prüfung standhalten, lassen wir uns gerne von externen Prüfern unsere Qualität bestätigen. Aus diesem Grund sind wir nach **ISO/TS 16949:2009** und nach **ISO 9001:2008** zertifiziert.

Dadurch können Sie auch für Ihre Produkte in unseren Service und in unsere Produkte vertrauen.

Kennzeichnung der Übermaße

mm	NE Teilenummer
STD	71XXXX0000
0,25	71XXXX2500
0,50	71XXXX5000
0,75	71XXXX7500
1,00	71XXXX1000
1,25	71XXXX1200
1,50	71XXXX1500

Nummernschlüssel Bestellnummern

- 70 = Zylinder/Liner
- 71 = Kolben
- 72 = Assembly

Bestimmung von Motorproblemen

EXCESSIVE OIL CONSUMPTION

OIL LEAKING INTO THE INTAKE
AND EXHAUST SYSTEM

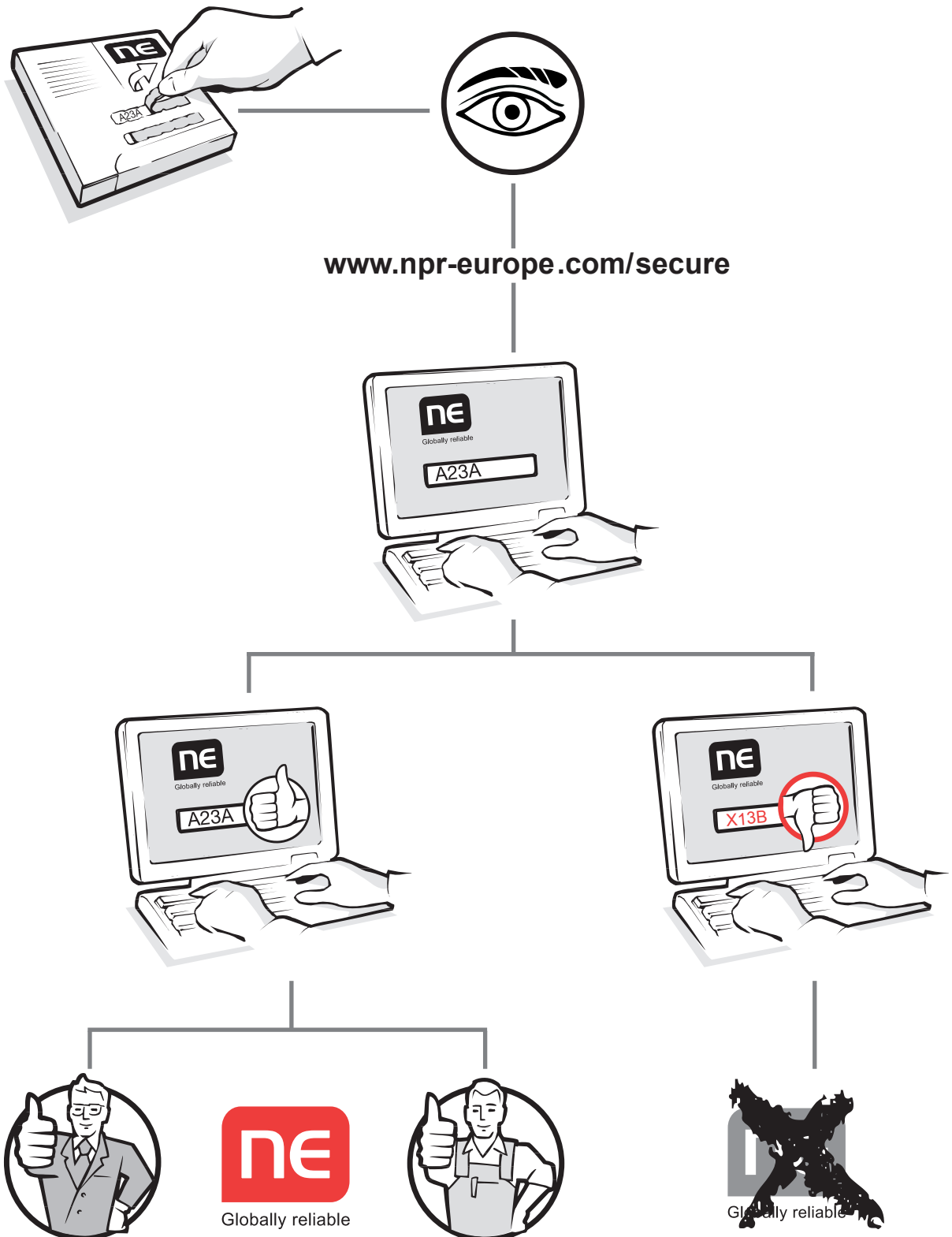
OIL LEAKING INTO
COMBUSTION CHAMBER

OIL FAILING

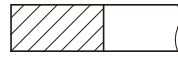
		Turbocharger		Piston Ring					Piston				Cylinder	Valve	Valve guide	Valve seal			
																			
Problem		Worn shaft	Sealing degradation	Scuffing	Excessively closed gap	Breakage	Deformation	Decreased PT	Anomalous wear	Ring sticking	Carbon deposition	Piston scuffing	Worn ring groove	Deformation	Wear	Wear	Wear	Degradation	Wear
Inappropriate use	Intake dust	●	●	✖	✖	✖		✖	●	✖	✖		●		●	●	●	✖	●
	Foreign matter in the fuel			✖	✖	✖		✖	●	✖	✖		●		●				
	Unsuitable oil	●	●	●	✖	✖		✖	●	●	●		●		●	●	●	✖	●
	Inferior fuel			✖					✖	✖	●		●		●			✖	●
	Overloading			✖				✖	✖	✖	✖	●			✖				
	High-load low engine speed							✖	●	✖	✖	●			✖				
	Overrevving			✖		●						●	✖						
	Overheating			✖		✖		✖		✖	✖	●						✖	
Inadequate Maintenance	Engine oil																		
	Deterioration	✖	✖	✖	✖	✖		✖	●	✖	✖	✖	✖		●	●	●	✖	●
	Foreign matter mingling	●	●		✖	✖		✖	●	✖	✖				●	●	●		●
	Insufficient quantity	✖	✖					✖	●										
	Intake																		
	Dust contamination	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
	Cleaner clogging	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
Cooling water																			
Insufficient quantity			●				✖	✖	✖		●			✖					
Anomaly			✖		✖			✖			●	●							
Others	Past its life span				✖		●			✖				●	✖	✖	✖	✖	✖
	Parts																		
	Misassembly			✖		✖	✖	✖	✖	✖			✖	●					✖
Wrong part assembled			✖	●	✖	✖	✖	✖	✖		✖								

● direct cause × indirect cause

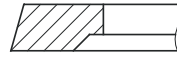
Sicherheitsprüfung



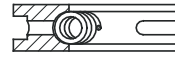
Kolbenringquerschnitte



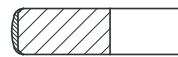
910



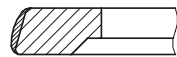
911 IW U



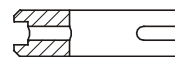
946 EX



910 CR



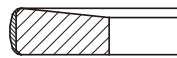
911 IW U CR



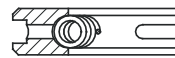
947



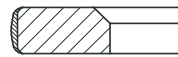
910 IF



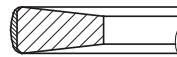
913 CR



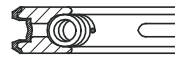
947 EX



910 IF CR



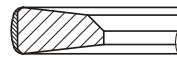
914 CR / 916 CR



947 EX CR



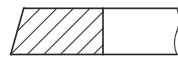
910 IW CR



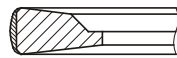
914 IF CR / 916 IF CR



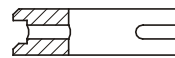
947 EX NIT



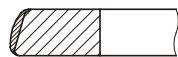
911



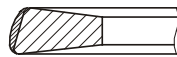
914 IW CR / 916 IW CR



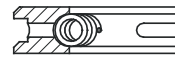
948



911 CR



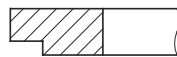
917 CR



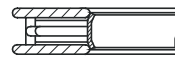
948 EX



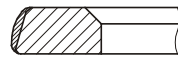
911 IF



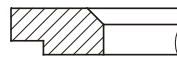
930



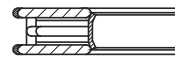
777 NIT



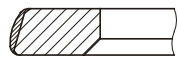
911 IF CR



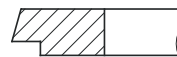
930 IF



777 CR



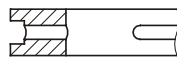
911 IF U CR



931



911 IW



946

Beschichtung und Oberflächenbehandlung

CR	Lauffläche verchromt
MO	Lauffläche molybdänbeschichtet
PL	Lauffläche plasmabeschichtet
NIT	nitriert
TF	Lauffläche teflonbeschichtet
4CR	allseitig verchromt
3CR	Lauffläche unverchromt, andere Seiten verchromt
FE	ferrooxydiert
FX	Lauffläche ferroxgefüllt
P	phosphatiert
SN	verzinkt
IN	Federbett und Feder verchromt
FS	Flankensicherung
PVD	physikalische Gasphasenabscheidung

Produktinformationen

Damit ein instandgesetzter Motor die gewünschte Zuverlässigkeit und Langlebigkeit erhält ist es sehr wichtig, dass beste Materialien verwendet werden und der Monteur diese sicher einbauen kann. Damit die hohe Qualität der NE-Produkte zum Tragen kommt, muss der Monteur bei der Instandsetzung mit größter Sorgfalt und entsprechendem technischen Verständnis vorgehen.

Alle Original NE-Kolben werden einbaufertig geliefert. Mit den passenden Kolbenringen, Kolbenbolzen und Kolbenbolzensicherungen.



Kolbenformen

Die Mulden- und Kolbenoberflächengeometrie hat einen wesentlichen Einfluss auf die Gemischbildung und die Verbrennung. Dies gilt im Besonderen bei Dieselmotoren, da hier bei einem hohen Verdichtungsverhältnis und einem typischerweise flachen Zylinderkopf der gesamte Brennraum in der Kolbenmulde untergebracht werden muss. Durch die Kolbenmulde wird neben der Brennraumform auch die Festigkeit des Kolbenbodens definiert. Vor allem bei Aluminiumkolben, die zurzeit aus Gewichtsgründen zum Einsatz kom-

men, bedingt dies technisch anspruchsvolle Lösungen, die Produkte von NE liefern.

Neben Aluminiumkolben sind bei Dieselmotoren auch Stahlkolben und Kolben aus Grauguss im Einsatz.

Moderne aufgeladene Motoren benötigen zur Kühlung eine Kolbenspritze mit zusätzlichem Kolbenkühlkanal.

Im Lieferprogramm von NE finden Sie alle Ausführungen der Kolben in gewohnter NE-Qualität.

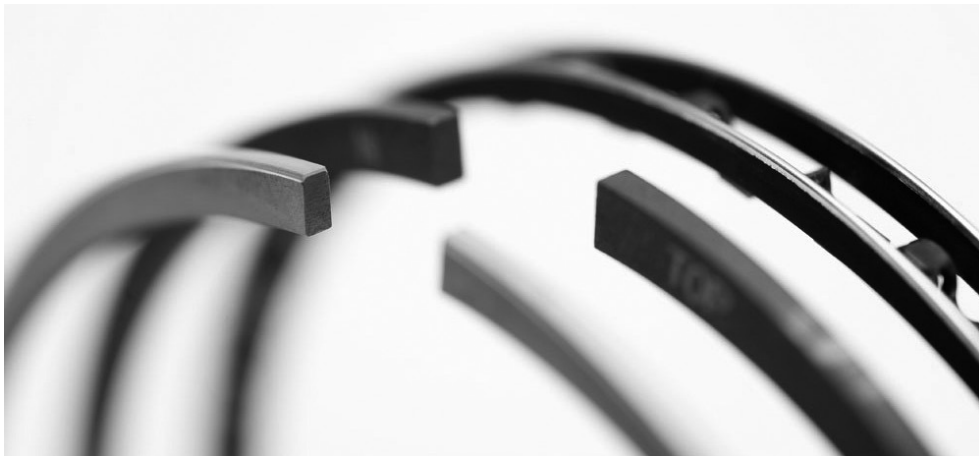


Kolbenringe

Kolbenringe dienen als Dichtelement zwischen dem Verbrennungsraum und dem Kurbelraum des Triebwerks. Darüber hinaus dienen Sie der Kontrolle des Ölfilms.

Bei der Montage der Ringe auf den Kolben muss darauf geachtet werden, dass die

Ringe nicht übermäßig gespreizt werden, da sonst die Funktion der Ringe beeinträchtigt werden kann. Aus diesem Grund werden alle unsere Kolben mit NE-Ringen bestückt ausgeliefert.



Zylinderlaufbuchsen

Zylinderlaufbuchsen und Kolben müssen perfekt aufeinander abgestimmt sein, damit in diesem komplexen tribologischen System eine lange Lebensdauer garantiert werden kann.

Zylinderlaufbuchsen gibt es als nasse oder trockene Buchsen, vorbereitete oder fertig gehonte Buchsen sowie als Rippenzylinder.



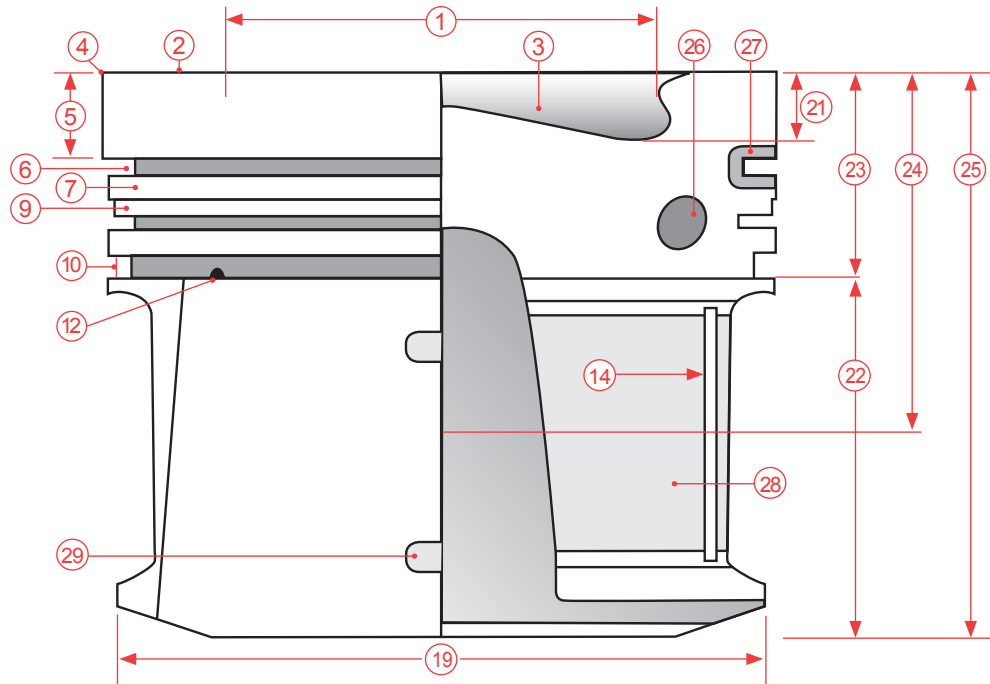
Assemblies

Der Kolben, die Kolbenringe, Kolbenbolzen, Kolbenbolzensicherung und Zylinderlaufbuchse bilden das NE Assembly, das wir einbaufertig liefern.

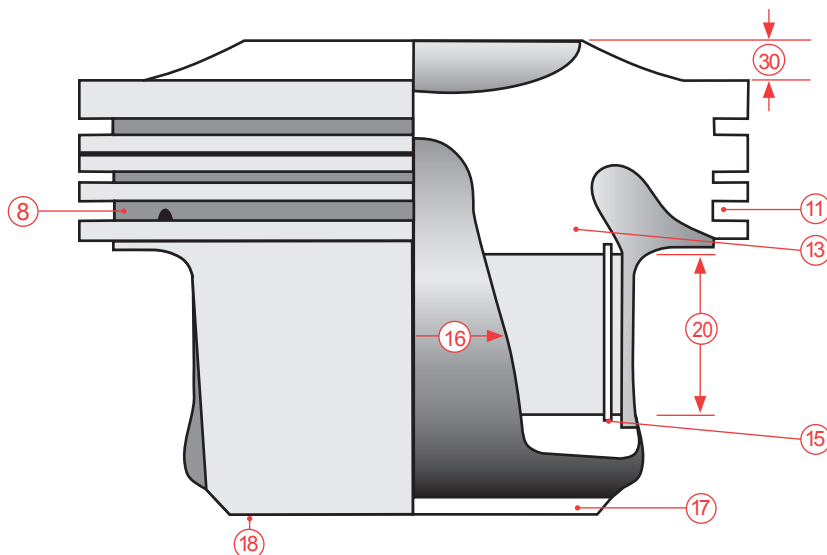
Die Assemblies unterliegen bei der Zusammenstellung strengen Qualitätsprüfungen. Bei Lagerung, Weiterverkauf und Einbau müssen Stöße vermieden werden.



Fachausdrücke am Kolben



- | | | |
|-----------------------------|--|---------------------------|
| 1 Ø Mulde | 12 Ölrücklaufbohrung | 22 Schaftpartie |
| 2 Kolbenboden | 13 Kolbenbolzennaben | 23 Ringpartie |
| 3 Mulde | 14 Sicherung Nutabstand | 24 Kolbenkompressionshöhe |
| 4 Bodenkante | 15 Nute für Sicherungsring | 25 Kolbenlänge |
| 5 Feuersteg (Bodensteg) | 16 Augenabstand | 26 Ölkühlkanal |
| 6 Nute für Verdichtungsring | 17 Einpass | 27 Ringträger |
| 7 Ringsteg | 18 Schaftunterkante | 28 Bolzenbuchse |
| 8 Nutengrund | 19 Kolbendurchmesser 90°
entgegen der Bolzenbohrung | 29 Ø Messfenster |
| 9 zurückgesetzter Ringsteg | 20 Kolbenbolzenbohrung | 30 Bodenüberhöhung (BÜ) |
| 10 Nutenflanken | 21 Multentiefe (MT) | |
| 11 Nute für Ölabstreifring | | |



Hinweise zur Benutzung des Kataloges

Motorangaben

Zu Beginn des jeweiligen Kfz-Herstellers finden Sie eine ausführliche Übersicht über deren Motorenbezeichnung und den technischen Daten. Diese sind alphanumerisch aufsteigend sortiert.

 CITROËN							
							
Motorbezeichnung (Motorcode)	Kraftstoffart (B=Benzin D=Diesel)	Zylinder-Anzahl	Bohrungsdurchmesser des Motors	Hub des Kolben	Hubraum des Motors	Positionsreihenfolge	
161	D	4	80,00	88,00	1769	10	
161A (XUD7)	D	4	80,00	88,00	1769	10	

Katalogteil

Positionsreihenfolge

Die Positionsreihenfolge im Katalogteil richtet sich nach dem Bohrungsdurchmesser des Motors.

Bohrungsdurchmesser des Motors

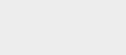
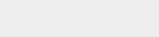
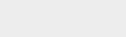
Fahrzeughersteller



PEUGEOT

Globally reliable

07/68 - 02/71

20	84,00 mm						
504 (A., M.) 1.8 (A01, A03)							O-Ringe

Positionserienfolge

Fahrzeugdaten

Fahrzeugmodell und Motorisierung

Baujahres-Zeitraum

21	85,00 mm				
206 2.0 HDi 90	12/99 -	607 2.0 HDi		03/01 - 07/04	
306 2.0 HDi 90	06/99 - 04/02	607 2.0 HDi		05/00 -	
307 2.0 HDi 110	08/00 -	806 2.0 HDi		08/99 - 08/02	
307 2.0 HDi 90	08/00 -	Boxer 2.0 HDi		04/02 -	
406 2.0 HDi 110	06/98 - 10/04	Expert 2.0 HDi		07/00 -	
406 2.0 HDi 110	08/01 - 10/04	Partner 2.0 HDi		02/00 -	
406 2.0 HDi 90	02/99 - 10/04				
	KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR

Produktdaten

Kolbendaten (mm)		Kolbenbolzen (mm)		Zylinder / Liner (mm)	
KH = Kompressionshöhe MT = Muldentiefe VT = Ventiltaschentiefe M-Ø = Mulden-Durchmesser GL = Gesamtlänge		L = Länge Ø = Durchmesser		A-Ø = Aussen-Durchmesser B-Ø = Bund-Durchmesser GL = Gesamtlänge	
20 84,00 mm		07/68 - 02/71			
504 (A_, M_) 1.8 (A01, A03)					
KH 38,25 BU 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	
				AØ 93,00 B 90,00 GL 136,20 nass	
TNR		7137120000		8937120000	
VE		4		1	
				7037040000	
				7237120000	

Bezeichnung Kolben
 RTK = Ringträgerkolben
 TPL = trapezförmige Bolzenabstützung
 LOX = Kolben mit eloxiertem Boden
 KKK = Kolben mit Kühlkanal
 KBB = Kolben mit Bolzenbuchse
 HKÜ = Übermaßkolben mit abgesenkter KH

Kolbenringsatz
 - Laufflächenbeschichtung
 - Ringhöhe (mm)
 - Ring-Querschnitte

Kolbendaten (mm)		Kolbenbolzen (mm)		Zylinder / Liner (mm)	
KH = Kompressionshöhe MT = Muldentiefe VT = Ventiltaschentiefe M-Ø = Mulden-Durchmesser GL = Gesamtlänge		L = Länge Ø = Durchmesser		A-Ø = Aussen-Durchmesser B-Ø = Bund-Durchmesser GL = Gesamtlänge	
20 84,00 mm		07/68 - 02/71			
504 (A_, M_) 1.8 (A01, A03)					
KH 38,25 BU 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	
				AØ 93,00 B 90,00 GL 136,20 nass	
TNR		7137120000		8937120000	
VE		4		1	
				7037040000	
				7237120000	

Artikelnummer Kolben

Artikelnummer Zylinder / Liner

Artikelnummer Kolbenringsatz

Artikelnummer Assembly

Verpackungseinheit

Allgemeine Geschäftsbedingungen der NPR of Europe GmbH

Allgemeine Geschäftsbedingungen der NPR of Europe GmbH (im Folgenden „NE“), Siemensstr. 56, 70825 Korntal-Münchingen

Verkaufs- und Lieferbedingungen
Stand 07 / 2007

1. Geltungsbereich

(1) Die nachstehenden Verkaufsbedingungen gelten für alle zwischen der NE und dem Käufer abgeschlossenen Verträge über die Lieferung von Waren. Sie gelten auch für alle künftigen Geschäftsbeziehungen, auch wenn sie nicht erneut ausdrücklich vereinbart werden. Allgemeine Geschäftsbedingungen des Käufers gelten NE gegenüber nicht, auch wenn diesendurch NE nicht widersprochen wurde.

(2) Alle Vereinbarungen, die zwischen NE und dem Käufer im Zusammenhang mit den Kaufverträgen getroffen werden, sind in dem Kaufvertrag, diesen Bedingungen und der Auftragsbestätigung durch NE schriftlich niedergelegt.

2. Angebot und Vertragsschluss

(1) Die Angebote seitens NE sind freibleibend und unverbindlich, auch für etwaige Nachbestellungen, es sei denn, dass NE diese ausdrücklich in schriftlicher Form als verbindlich bezeichnet hat.

(2) Ist die Bestellung als Angebot gem. §145 BGB zu qualifizieren, so kann NE dieses innerhalb von 2 Wochen durch Zusendung einer Auftragsbestätigung annehmen oder dem Besteller innerhalb dieser Frist die bestellte Ware zusenden.

(3) Maßangaben, Gewichte, Abbildungen, Zeichnungen sowie andere Unterlagen, die zu den unverbindlichen Angeboten durch NE gehören, bleiben im Eigentum von NE und sind nur annähernd maßgebend, soweit sie nicht von NE ausdrücklich als verbindlich bezeichnet worden sind.

3. Preise, Zahlungsbedingungen

(1) Übersteigt die vereinbarte Lieferzeit den Zeitraum von vier Monaten ab Vertragsabschluss oder verzögert sich die Lieferung über vier Monate ab Vertragsabschluss aus Gründen, die allein der Käufer zu vertreten hat oder die allein in seinen Risikobereich fallen, ist NE berechtigt, den am Tag der Lieferung gültigen Preis zu berechnen. Beträgt die Preiserhöhung mehr als 5% des bezifferten Kaufpreises, ist der Käufer berechtigt, vom Vertrag zurückzutreten. Dieses Rücktrittsrecht entfällt, wenn der Käufer es nicht innerhalb einer Frist von zwei Wochen, beginnend mit dem Datum der Mitteilung des neuen Preises, ausübt.

(2) Die Preise gelten „ab Lager“ sofern keine abweichende Vereinbarung mit dem Käufer getroffen wurde zuzüglich der zum Zeitpunkt der Rechnungsstellung geltenden gesetzlichen Mehrwertsteuer. Die Verpackungskosten sind nicht im Preis enthalten.

(3) Ist mit dem Käufer nichts anderes schriftlich vereinbart, ist der Kaufpreisnetto (ohne Abzug) sofort mit Eingang der Rechnung beim Käufer zur Zahlung fällig. Zahlungen des Käufers werden ungeachtet einer hiervon abweichenden Bestimmung zunächst auf dessen ältere Schulden angerechnet. Sind bereits Kosten und Zinsen entstanden, sind wir berechtigt, die Zahlungen zunächst auf die Kosten, dann auf die Zinsen und zuletzt auf die Hauptforderung anzurechnen.

(4) Wenn Skontoabzug schriftlich vereinbart ist, hat dies weiter zur Voraussetzung, dass gegen den Käufer keine sonstigen fälligen Forderungen bestehen.

(5) Die Annahme von Wechseln und Schecks erfolgt nur zahlungshalber; die Kosten der Diskontierung und der Einziehung trägt der Käufer. Nach Annahme der Wechsel ist NE berechtigt, diese zurückzugeben, falls deren Annahme von der Landeszentralbank verweigert wird.

(6) Werden NE nach der Auftragsannahme Tatsachen bekannt, die begründete Zweifel an der Zahlungsfähigkeit des Käufers aufkommen lassen, so ist NE berechtigt, vor der Lieferung volle Zahlung oder entsprechende Sicherheitsleistung zu verlangen bzw. nach erfolgloser Fristsetzung vom Vertrag zurücktreten. Neben bereits eingetretenem Zahlungsverzug gilt als Nachweis einer wesentlichen Vermögensverschlechterung insbesondere eine der Sorgfalt eines ordentlichen Kaufmanns entsprechenden Auskunft einer Bank, Auskunft oder eines mit dem Käufer in Geschäftsbeziehung stehenden Unternehmens. Ist die Lieferung bereits erfolgt, werden die in Frage kommenden Rechnungsbeträge ohne Rücksicht auf vereinbarte Zahlungsbedingungen, gegebenenfalls unter Rückgabe der Akzepte, sofort zur Zahlung fällig.

(7) Kommt der Käufer in Zahlungsverzug, so ist NE berechtigt, vom betreffenden Zeitpunkt an Zinsen in Höhe von 8% über dem jeweiligen Basiszinssatz der Europäischen Zentralbank (EZB) zu verlangen. Der Nachweis eines höheren Schadens durch NE bleibt vorbehalten.

(8) Der Käufer ist zur Aufrechnung, auch wenn Mängelrügen oder Gegenansprüche geltend gemacht werden, nur berechtigt, wenn die Gegenansprüche rechtskräftig festgestellt, von NE anerkannt werden oder unstrittig sind. Zur Ausübung eines Zurückbehaltungsrechts ist der Käufer nur befugt, wenn sein Gegenanspruch auf demselben Kaufvertrag beruht.

(9) Bei Verweigerung des Käufers oder erfolglosem Fristablauf ist NE berechtigt, ganz oder teilweise vom Vertrag zurückzutreten und Schadensersatz zu verlangen.

4. Liefer- und Leistungszeit

(1) Liefertermine oder Fristen, die nicht ausdrücklich als verbindlich vereinbart worden sind, sind ausschließlich unverbindliche Angaben.

(2) Teillieferungen sind zulässig, sofern sie den Käufer nicht unangemessen benachteiligen.

(3) NE behält sich Mehr- und Minderlieferungen bis 10% vor.

(4) Verzögert sich die Lieferung auf Verlangen des Käufers, wird die Ware bei NE auf Kosten und Gefahr des Käufers gelagert.

(5) Die Lieferfrist verlängert sich bei höherer Gewalt, Streik, unverschuldetem Unvermögen und ungünstigen Witterungsverhältnissen um die Dauer der Behinderung.

5. Lieferverzug

(1) Falls NE schuldhaft eine ausdrücklich vereinbarte Frist nicht einhalten kann oder aus sonstigen Gründen in Verzug gerät, hat der Käufer NE eine angemessene Nachfrist beginnend vom Tage des in Verzug befindens zu gewähren. Nach fruchtlosem Ablauf dieser Nachfrist ist der Käufer berechtigt, vom Vertrag zurückzutreten.

(2) NE haftet nach den gesetzlichen Bestimmungen, sofern der Lieferverzug auf einer von ihr zu vertretenden vorsätzlichen oder grob fahrlässigen Vertragsverletzung beruht. NE ist ein Verschulden seiner Vertreter oder Erfüllungshelfen zuzurechnen. Ist dies nicht der Fall, ist die Schadensersatzhaftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt. Bei der Höhe des Schadensersatzes sind nach Treu und Glauben die wirtschaftlichen Gegebenheiten, Art, Umfang und Dauer der Geschäftsverbindung zugunsten NE angemessen zu berücksichtigen.

(3) Beruht der von NE zu vertretende Lieferverzug auf der schuldhaften Verletzung einer wesentlichen Vertragspflicht, haftet NE nach den gesetzlichen Bestimmungen; wobei ihre Haftung auf den vorhersehbaren, typischerweise eintretenden Schaden begrenzt ist. (4) Die weiteren gesetzlichen Ansprüche und Rechte des Käufers wegen eines Lieferverzuges seitens NE bleiben unberührt.

6. Gefahrübergang, Versand und Verpackung, Rücknahme

(1) Sofern sich aus der Auftragsbestätigung nichts anderes ergibt, ist die Lieferung „ab Lager“ vereinbart. Verladung und Versand erfolgen unversichert auf Gefahr des Käufers. Dies gilt auch für Rücklieferungen. NE bemüht sich hinsichtlich Versandart und Versandweg Wünsche und Interessen des Käufers zu berücksichtigen.

Dadurch bedingte Mehrkosten auch bei vereinbarter Fracht Subsidiary of NIPPON PISTON RING CO., LTD „Frei Lieferung“ gehen zu Lasten des Käufers.

(2) Wird der Versand auf Wunsch oder aus Verschulden des Käufers verzögert, so lagert der Verkäufer die Waren auf Kosten und Gefahr des Käufers. In diesem Fall steht die Anzeige der Versandbereitschaft dem Versand gleich.

(3) Transport- und sonstige Einwegverpackungen werden nicht zurückgenommen.

(4) Eine Rücknahme von Einzelringen, die im Aftermarket vertrieben wurden, ist ausgeschlossen.

7. Gewährleistung, Haftung

(1) Der Käufer hat die empfangene Ware auf Vollständigkeit, Transportschäden, offensichtliche Mängel, Beschaffenheit und deren Eigenschaften zu untersuchen. Offensichtliche Mängel sind durch den Käufer unverzüglich nach Feststellen innerhalb eines ordnungsgemäßen Geschäftsablaufs schriftlich gegenüber NE anzuzeigen. NE übernimmt keine Gewährleistung für offensichtliche Mängel, die durch den Käufer nicht unverzüglich schriftlich gerügt werden.

(2) Soweit ein von NE zu vertretender Mangel an der Ware vorliegt und vom Käufer rechtzeitig schriftlich gerügt wurde, ist NE unter Ausschluss der Rechte des Käufers vom Vertrag zurückzutreten oder den Kaufpreis herabzusetzen zur Nacherfüllung verpflichtet, es sei denn, NE ist aufgrund der gesetzlichen Regelung zur Verweigerung der Nacherfüllung berechtigt. Der Käufer hat NE für jeden einzelnen Mangel eine angemessene Frist zur Nacherfüllung zu gewähren.

(3) Die Nacherfüllung kann nach der Wahl seitens NE durch Beseitigung des Mangels oder Lieferung einer neuen Ware erfolgen. NE ist berechtigt, die von dem Käufer gewählte Art der Nacherfüllung zu verweigern, wenn sie nur mit unverhältnismäßigen Kosten verbunden ist. Während der Nacherfüllung sind die Herabsetzung des Kaufpreises oder der Rücktritt vom Vertrag durch den Käufer ausgeschlossen. Eine Nachbesserung gilt mit dem zweiten vergeblichen Versuch als fehlgeschlagen. Ist die Nacherfüllung fehlgeschlagen oder hat NE die Nacherfüllung insgesamt verweigert, kann der Käufer nach seiner Wahl Herabsetzung des Kaufpreises (Minderung) verlangen oder den Rücktritt vom Vertrag erklären.

(4) Im Fall der Nacherfüllung trägt NE alle zum Zwecke der Mangelbeseitigung erforderlichen Aufwendungen, insbesondere Transport- Wege- und Arbeitskosten. Dies gilt nur, soweit sich die Kosten nicht dadurch erhöhen, dass die Ware an einen anderen Ort als den Erfüllungsort verbracht wurde.

(5) Ansprüche des Käufers wegen Gewährleistung entstehen nicht, wenn der Mangel auf eine Verletzung von Bedienungs- Wartungs- oder

Einbauvorschriften zurückzuführen ist oder eine unsachgemäße Bearbeitung oder Verwendung durch den Käufer oder Dritte vorliegt.

(6) Die Ansprüche des Käufers wegen Sachmängeln verjähren entsprechend den gesetzlichen Bestimmungen mit Ablauf von 24 Monaten nach Gefahrenübergang.

(7) Schadensersatzansprüche zu den nachfolgenden Bedingungen wegen des Mangels kann der Käufer erst geltend machen, wenn die Nacherfüllung fehlgeschlagen ist oder NE die Nacherfüllung verweigert. Das Recht des Käufers zur Geltendmachung von weitergehenden Schadensersatzansprüchen zu den nachfolgenden Bedingungen bleibt davon unberührt.

(8) NE haftet nach den gesetzlichen Bestimmungen nur, sofern Schadensersatzansprüche durch den Käufer geltend gemacht werden, die auf Arglist, Vorsatz oder grobe Fahrlässigkeit durch NE zurückzuführen sind. Besteht keine vorsätzliche Vertragsverletzung durch NE, ist die Haftung auf Schadensersatz auf den vorhersehbaren, typischerweise entstehenden Schaden begrenzt. NE haftet weiterhin nach den gesetzlichen Bestimmungen, sofern schuldhaft eine wesentliche Vertragspflicht durch NE verletzt wurde. In diesem Fall ist die Haftung auf Schadensersatz auf den vorhersehbaren, typischerweise entstehenden Schaden begrenzt. Eine weitergehende Haftung auf Schadensersatz als in den vorhergehenden Bestimmungen vorgesehen ist ohne Rücksicht auf die Rechtsnatur der geltend gemachten Ansprüche ausgeschlossen.

(9) Ansprüche auf Schadensersatz, die durch schuldhaftes Verletzung von Leben, Körper, Gesundheit, aus der Übernahme von Garantien oder aufgrund von zwingenden Bestimmungen des Produkthaftungsgesetzes entstehen, bleiben von den vorhergehenden Bestimmungen unberührt.

(10) Soweit die Haftung des Schadensersatzes durch NE eingeschränkt oder ausgeschlossen ist, gilt dies auch im Hinblick auf die persönliche Haftung der Mitarbeiter, Vertreter und Erfüllungsgehilfen der NE.

8. Eigentumsvorbehalt

(1) NE behält sich das Eigentum an der Ware (Vorbehaltsware) bis zum Eingang aller Zahlungen aus den Geschäftsverbindungen mit dem Käufer vor.

(2) Der Käufer hat NE von allen Zugriffen Dritter, insbesondere von Zwangsvollstreckungsmaßnahmen sowie sonstigen Beeinträchtigungen seines Eigentums unverzüglich schriftlich zu unterrichten. Der Käufer hat NE alle Schäden und Kosten zu ersetzen, die durch einen Verstoß gegen diese Verpflichtung und durch erforderliche Interventionsmaßnahmen gegen Zugriffe Dritter entstehen.

(3) Der Käufer darf die Liefergegenstände weder

verpfänden noch zur Sicherheit übereignen. Bei Pfändung, Beschlagnahme oder sonstige Verfügung durch Dritte muss NE unverzüglich in Kenntnis gesetzt werden. Vollstreckungsbeamte bzw. Dritte sind

(4) Bei vertragswidrigem Verhalten durch den Käufer, insbesondere bei Zahlungsverzug, ist NE berechtigt, ohne weitere Fristsetzung die Herausgabe zu verlangen. Ein vorheriger Rücktritt vom Vertrag ist für das Herausgabeverlangen nicht erforderlich. Die dabei anfallenden Transportkosten trägt der Käufer.

(5) Werden seitens NE Eigentumsvorbehalte geltend gemacht oder eine Pfändung der Liefergegenstände durchgeführt, gilt dies nicht als Rücktritt vom Vertrag.

(6) Der Käufer ist berechtigt, die Liefergegenstände im ordentlichen Geschäftsgang weiter zu veräußern. Er tritt bereits jetzt alle Forderungen in Höhe des zwischen NE und dem Käufer vereinbarten Kaufpreises inkl der gesetzlichen Mehrwertsteuer an NE ab, die dem Käufer aus der Weiterveräußerung entstehen und zwar unabhängig davon, ob der Liefergegenstand mit oder ohne Verarbeitung veräußert wurde. Zur Einziehung dieser Forderungen ist der Käufer nach Abtretung berechtigt. NE kann diese Forderungen auch selbst einziehen, verpflichtet sich, die Forderungen nicht einzuziehen, solange der Käufer seinen Zahlungsverpflichtungen nachkommt und nicht in Zahlungsverzug ist. Ist dies der Fall, kann NE die Bekanntmachung aller zum Einzug benötigten Daten verlangen.

(7) Die Verarbeitung der Waren durch den Käufer wird stets für NE vorgenommen. Wird die Ware mit anderen, nicht NE gehörenden Gegenständen verarbeitet, so erwirbt NE das Miteigentum an der neuen Sache im Verhältnis des Wertes der Liefergegenstände zu den anderen verarbeiteten Gegenständen zur Zeit der Verarbeitung.

9. Schlussbestimmung, anzuwendendes Recht

(1) Sofern nichts anderes vereinbart wurde, ist der Geschäftssitz von NE Erfüllungsort.

(2) Ist der Käufer Kaufmann, so ist der Gerichtsstand das für den Geschäftssitz NE zuständige Gericht. NE ist jedoch berechtigt, den Käufer auch an seinem allgemeinen Gerichtsstand zu verklagen. Dasselbe gilt, wenn der Käufer keinen allgemeinen Gerichtsstand im Inland hat, nach Vertragsabschluss seinen Wohnsitz oder gewöhnlichen Aufenthalt aus dem Inland verlegt hat oder sein Wohnsitz oder gewöhnlicher Aufenthalt zum Zeitpunkt der Klage nicht bekannt ist.

(5) Sollte eine Regelung dieser Allgemeinen Lieferungs- und Zahlungsbedingungen unwirksam oder undurchführbar sein oder werden, so berührt dies die Wirksamkeit der Allgemeinen Lieferungs- und Zahlungsbedingungen im Übrigen nicht.

Herstellerverzeichnis

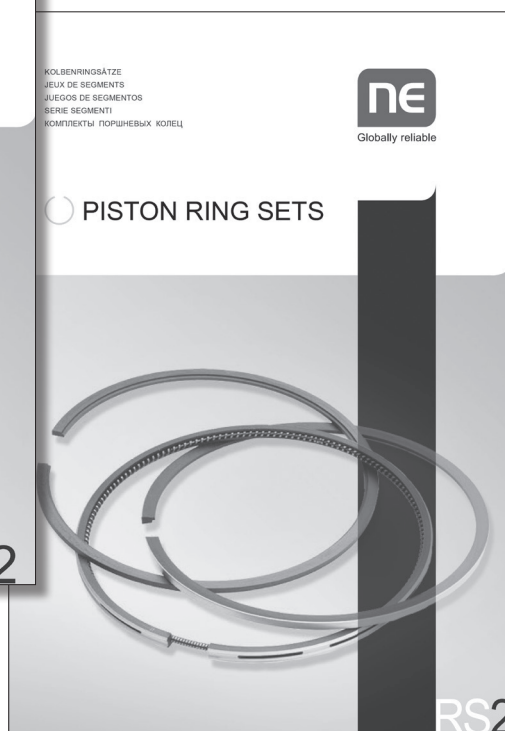
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Other catalogues and product information

Further to the products in this catalogue NPR of Europe's sales department has also other parts at your disposal.
Please ask for our bearings range and consult the „Product Manager“ on our home page, which is updated at regular intervals.



Catalogue B2: Engine bearings



Catalogue RS2: Piston ring sets



Product Manager: entire program online

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Hints to the use of this catalogue

The pistons can be fitted without any reworking. The design of the piston in material and specification is based on the original equipment of the engine manufacturers. You may find the specification of the piston rings in the cross section table on page 28 / 29. Names, descriptions and other data of vehicles and manufacturers are mentioned for comparison purposes only. The engine parts of this catalogue are in NE-spare part quality.

This catalogue has been compiled and controlled very carefully. Nevertheless we are not liable for any mistakes or omissions. Furthermore, we reserve the right to make technical alterations in specifications of engine parts resulting from the constant technological development in the field of engines.

The choice of pistons offered in our catalogue is subject to constantly changing. Should you be looking for pistons which are not mentioned in this catalogue, please ask our staff. Upon release of this catalogue all earlier versions will become invalid.

All orders are subject to our General Terms and Conditions which can be reviewed in this catalogue, on our homepage and which we will gladly put at your disposal.

It is not allowed to reprint or copy this catalogue or parts thereof. All pictures as well as the complete design are copyrighted.

Certification

As we feel sure that our products as well as our service will withstand every exam, we gladly have our quality confirmed by external auditors.

For this reason we are certified according to ISO/TS 16949:2009 and ISO 9001:2008. So you may always rely on our service and the quality of our products.

Oversize marking

mm	NE part number
STD	71XXXX0000
0,25	71XXXX2500
0,50	71XXXX5000
0,75	71XXXX7500
1,00	71XXXX1000
1,25	71XXXX1200
1,50	71XXXX1500

Numerical code part number / order number

70 = Cylinder/Liner

71 = Piston

72 = Assembly

Engine trouble tracer

EXCESSIVE OIL CONSUMPTION

OIL LEAKING INTO THE INTAKE
AND EXHAUST SYSTEM

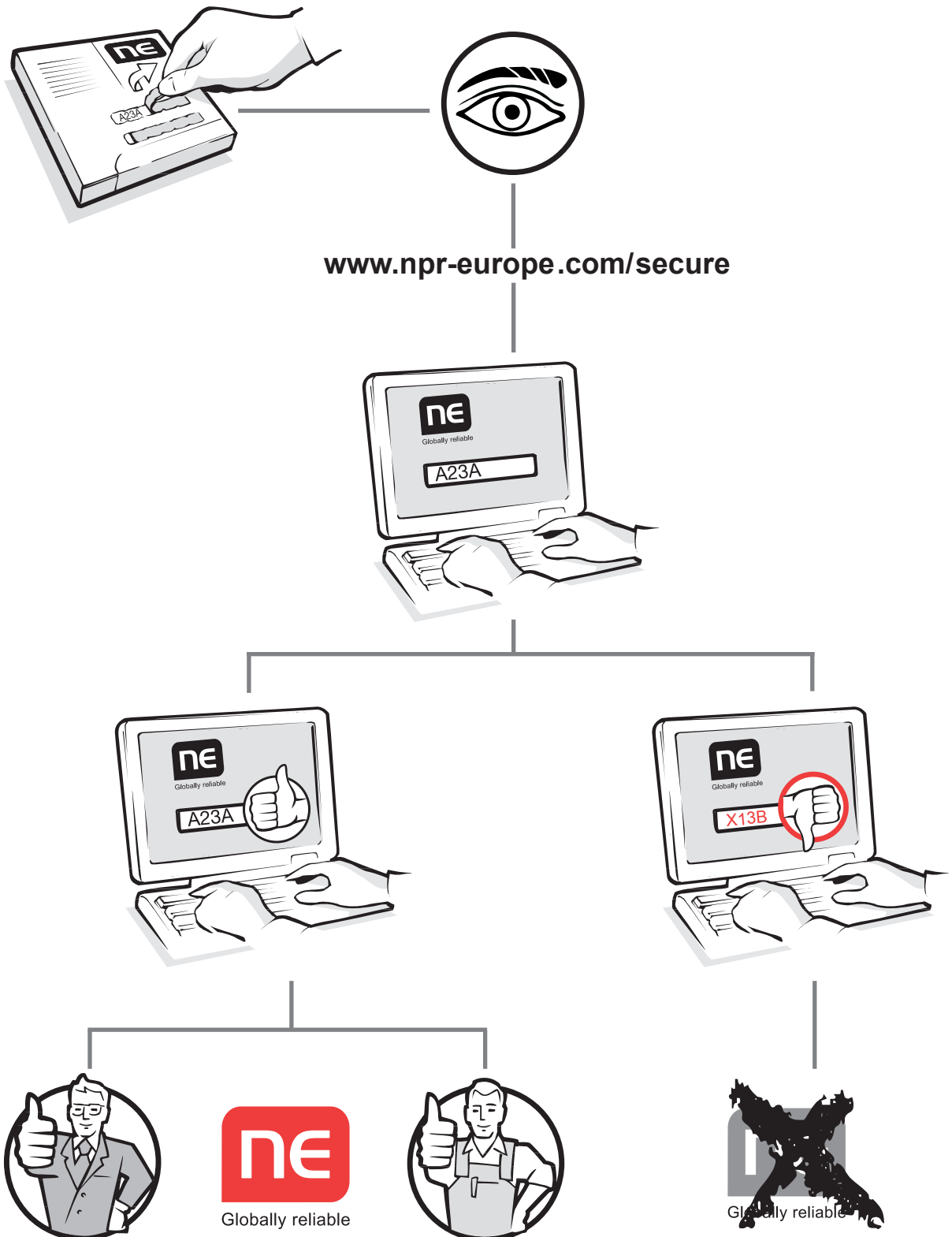
OIL LEAKING INTO
COMBUSTION CHAMBER

OIL FAILING

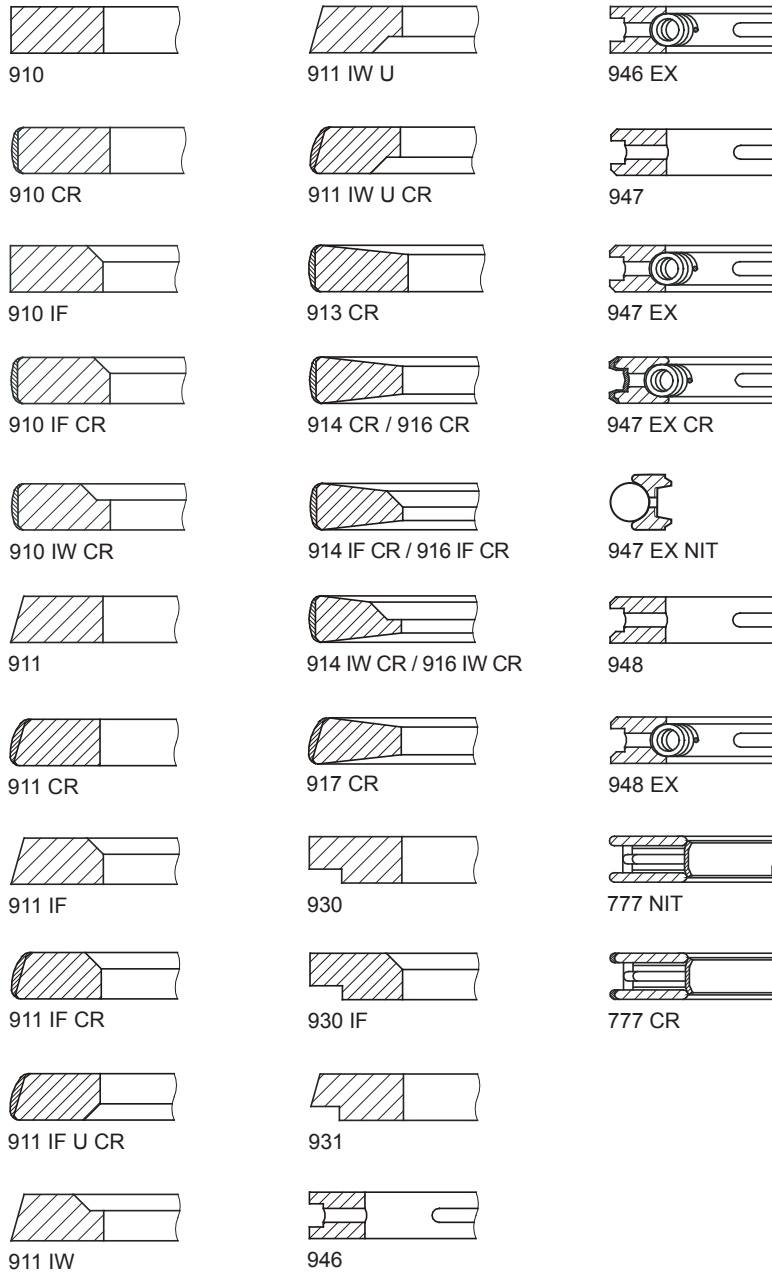
		Turbocharger		Piston Ring				Piston				Cylinder	Valve	Valve guide	Valve seal				
																			
Problem		Worn shaft	Sealing degradation	Scuffing	Excessively closed gap	Breakage	Deformation	Decreased PT	Anomalous wear	Ring sticking	Carbon deposition	Piston scuffing	Worn ring groove	Deformation	Wear	Wear	Wear	Degradation	Wear
Inappropriate use	Intake dust	●	●	✖	✖	✖		✖	●	✖	✖		●		●	●	●	✖	●
	Foreign matter in the fuel			✖	✖	✖		✖	●	✖	✖		●		●				
	Unsuitable oil	●	●	●	✖	✖		✖	●	●	●		●		●	●	●	✖	●
	Inferior fuel			✖					✖	✖	●		●		●			✖	●
	Overloading			✖				✖	✖	✖	✖	●			✖				
	High-load low engine speed							✖	●	✖	✖	●			✖				
	Overrevving			✖		●						●	✖						
	Overheating			✖		✖		✖		✖	✖	●						✖	
Inadequate Maintenance	Engine oil																		
	Deterioration	✖	✖	✖	✖	✖		✖	●	✖	✖	✖	✖		●	●	●	✖	●
	Foreign matter mingling	●	●		✖	✖		✖	●	✖	✖				●	●	●		●
	Insufficient quantity	✖	✖					✖	●										
	Intake																		
	Dust contamination	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
	Cleaner clogging	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
Cooling water																			
Insufficient quantity			●				✖	✖	✖		●			✖					
Anomaly			✖		✖			✖			●	●							
Others	Past its life span				✖		●			✖				●	✖	✖	✖	✖	✖
	Parts				✖		✖	✖	✖	✖			✖	●					✖
	Wrong part assembled			✖	●	✖	✖	✖	✖	✖		✖							

● direct cause × indirect cause

Security Check



Cross sections of piston rings



Coatings and surface treatments

CR	periphery chrome-plated
MO	periphery molybdenum-plated
PL	periphery plasma spray-coated
NIT	nitrited
TF	periphery teflon-coated
4CR	all sides chrome-plated
3CR	periphery not chrome-plated, other sides chrome-plated
FE	ferroxided
FX	periphery with ferrox insert
P	phosphated
SN	tin-plated
IN	coilspring and interior of oilring chrome-plated
FS	joint with side notch
PVD	physical vapour deposition

Product information

In order to achieve in an overhauled or repaired engine the expected reliability and lifetime, it is essential to use only the best components and to make sure the mechanic can install these components easily. For a successful overhaul or repair it is necessary that the mechanic is doing the repair with greatest care and technical knowledge.

All Original NE-pistons will be supplied preassembled, with the appropriate piston rings, piston pins and circlips.



Piston types

The influence of the piston crown design (gasoline) or the piston bowl geometry (diesel) on carburation and combustion is fundamental. Especially Diesel engines with their high compression ratio have normally a flat cylinder head so that the complete burn process has to take place in the piston bowl. The design of the piston bowl geometry (diesel) defines the combustion chamber and also defines the strength of the piston crown. Especially for aluminum pistons, which are more and more used because of their reduced weight, sophisti-

cated solutions and designs are needed to realize the light weight design – NE-products offer you these solutions.

Further to aluminum pistons also steel pistons and cast iron pistons are used for Diesel engines.

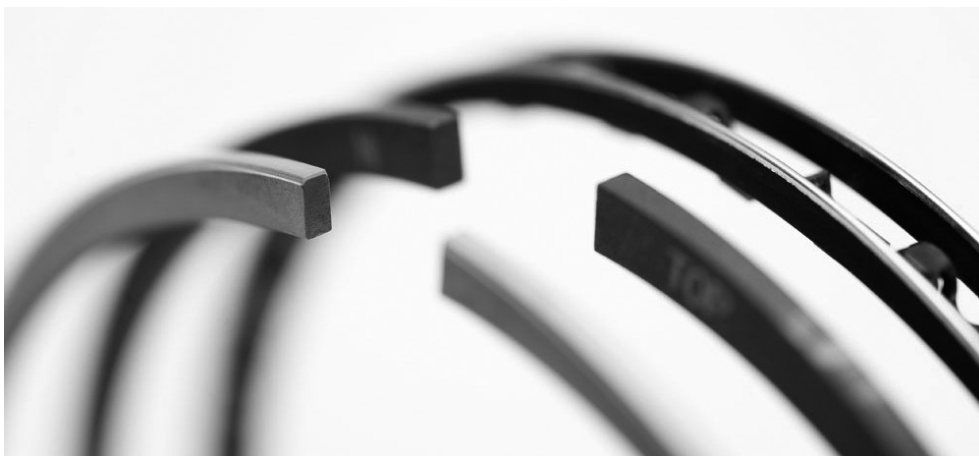
Pistons for modern turbo-charged engines need an oil jet nozzle cooling plus an additional cooling channel in the piston. NE's program offers you all versions of pistons in the well-known NE-quality.



Piston rings

Piston rings serve as sealing element between combustion chamber and crank case and they control the oil film. When mounting the rings on the piston they must not be excessively stretched as this may

damage their operation performance and lifetime. For this reason, all our pistons will be supplied equipped with NE-rings.



Cylinder liners

The combination of piston and liner has to be perfectly optimized in order to guarantee a long lifetime of this complex tribological system. Cylinder liners are available

as wet liners, dry liners, with semi-finished or finished (honed) bore or as finned cylinders.



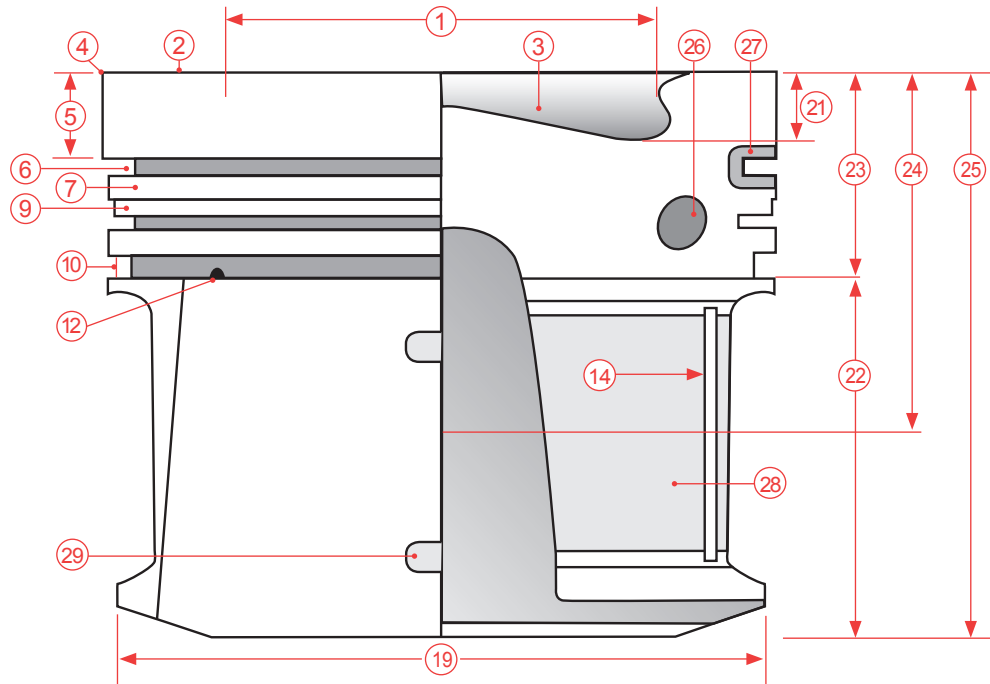
Assemblies

We supply a “ready-to-install”-NE-assembly, consisting of a piston, the piston rings, bolt, retainer and cylinder liner.

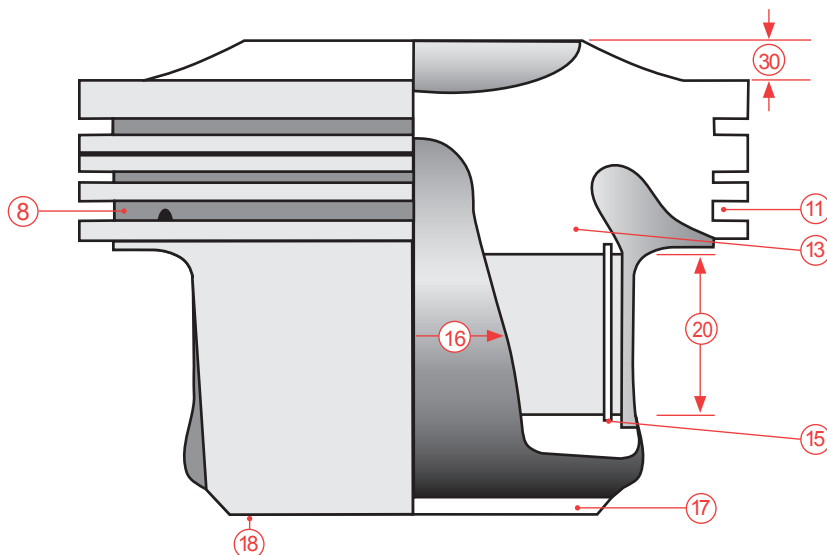
These assemblies are submitted to severe quality checks when put together. Please take care to avoid jars when stocking, selling and installing the part!



Technical terms on the piston



- | | | |
|-----------------------------|----------------------------------|------------------------------|
| 1 Ø bowl | 12 Oil return bore | 22 Skirt |
| 2 Piston crown | 13 Piston pin hubs | 23 Ring zone |
| 3 Combustion chamber (bowl) | 14 Retention for groove distance | 24 Piston compression height |
| 4 Piston crown edge | 15 Groove for retainer ring | 25 Piston length |
| 5 Piston top land | 16 Piston boss distance | 26 Oil cooler duct |
| 6 Compression ring groove | 17 Stepped edge | 27 Ring carrier |
| 7 Ring land | 18 Bottom edge of piston skirt | 28 Bolt bush |
| 8 Groove base | 19 Piston diameter 90 °C | 29 Ø measuring window |
| 9 Recessed ring land | 20 Piston pin bore | 30 Crown camber (BÜ) |
| 10 Groove sides | 21 Bowl depth (MT) | |
| 11 Oil scraper ring groove | | |

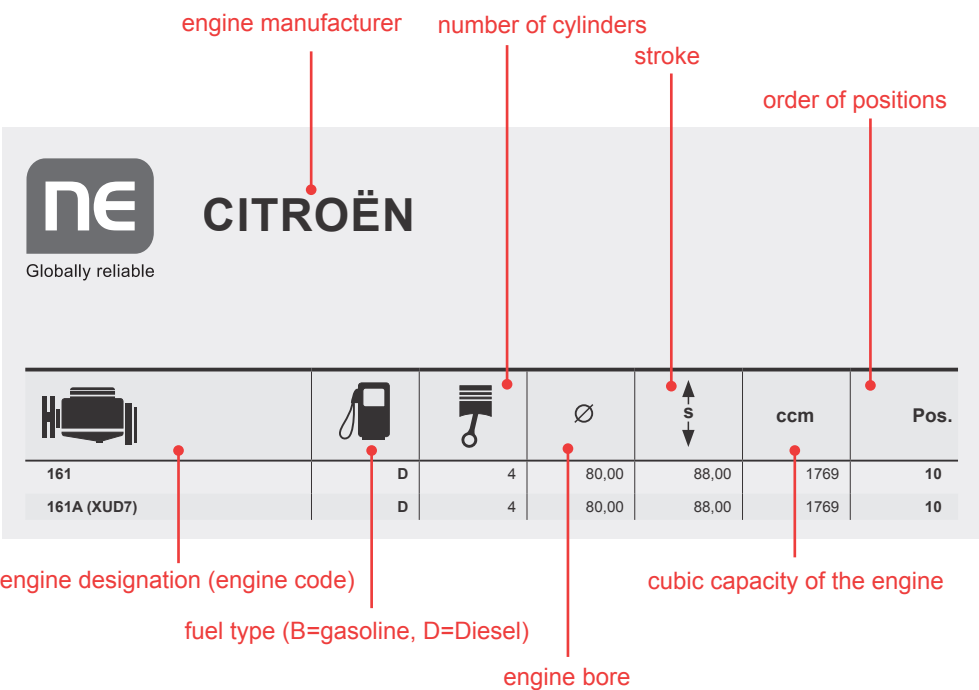


How to use this catalogue correctly

Engine data

At the beginning of each engine manufacturer you will find a detailed summary of their engine codes and the technical data.

These are assorted in an alphanumeric ascending order.



engine designation (engine code)	fuel type (B=gasoline, D=Diesel)	number of cylinders	engine bore	stroke	cubic capacity of the engine	order of positions
161	D	4	80,00	88,00	1769	10
161A (XUD7)	D	4	80,00	88,00	1769	10

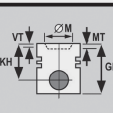
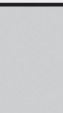
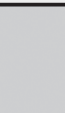
Catalogue part

Position

In the following catalogue part the positions are assorted by engine bore.

engine bore

engine manufacturer

	PEUGEOT						
							
20	84,00 mm						
504 (A_, M_) 1.8 (A01, A03)		07/68 - 02/71					
	KH 38,25 RÜ 1 43		L 70,00 Ø 23,00		1,50 910 IF CR S 2 00 930 FF	AØ 93,00 R 90 00	O-Ringe

position

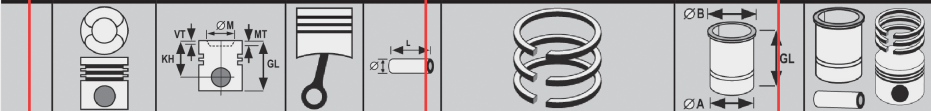
Vehicle data

model and engine type

production period

21	85,00 mm					
206 2.0 HDi 90		12/99 -	607 2.0 HDi	03/01 - 07/04		
306 2.0 HDi 90		06/99 - 04/02	607 2.0 HDi	05/00 -		
307 2.0 HDi 110		08/00 -	806 2.0 HDi	08/99 - 08/02		
307 2.0 HDi 90		08/00 -	Boxer 2.0 HDi	04/02 -		
406 2.0 HDi 110		06/98 - 10/04	Expert 2.0 HDi	07/00 -		
406 2.0 HDi 110		08/01 - 10/04	Partner 2.0 HDi	02/00 -		
406 2.0 HDi 90		02/99 - 10/04				
	KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 Ø 23,00	RTK TPL	L 70,00 Ø 28,00 	3,50 916 CR 2,00 911 IF P 3,00 947 EX CR		

Catalogue part

Piston data (mm)		Piston pin (mm)		Cylinder / Liner (mm)		
KH = compression height MT = bowl depth VT = valve pocket depth M-Ø = bowl diameter GL = total length		L = length Ø = diameter		A-Ø = outer diameter B-Ø = flange diameter GL = overall length		
						
20 84,00 mm						
504 (A_, M_) 1.8 (A01, A03) 07/68 - 02/71						
	KH 38,25 BU 1,43 GL 72,13	L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	AØ 93,00 B 90,00 GL 136,20 nass	O-Ringe
TNR	7137120000			8937120000	7037040000	7237120000
VE	4			1	4	4

Designation of piston

RTK = piston with Alfin insert
 TPL = trapezoidal conrod
 LOX = piston with anodized crown
 KKK = piston with oil cooling gallery
 KBB = piston with pin bush
 HKÜ = oversize piston with reduced height

Ringset

surface treatment
 height (mm)
 cross sections

20 84,00 mm				
504 (A _{...} , M _{...}) 1.8 (A01, A03)			07/68 - 02/71	
				O-Ring
TNR	7137120000		8937120000	7037040000 7237120000
VE	4		1	4 4

reference number of piston

reference number of cylinder / liner

reference number of piston ring set

reference number of assembly

units in packing

General Terms and Conditions of NPR of Europe GmbH

General Terms and Conditions of NPR of Europe GmbH (hereinafter referred to as "NE"), Siemens-str. 56, 70825 Korntal-Münchingen
Verkaufs- und Lieferbedingungen

Terms and Conditions of Sale and Delivery
as at 07/2007

1. Scope

(1) The following conditions of sale apply for all Contracts concluded between NE and the Purchaser regarding the delivery of goods. They shall also apply to all future commercial relations even if they have not been expressly agreed. General terms and conditions of the purchaser do not apply to NE, even if this are not contradicted by NE.

(2) All agreements reached between NE and the purchaser in connection with the purchase contracts, are in the purchase contract, these conditions and the order confirmation put in writing by NE.

2. Offers and conclusion of the contract

(1) Offers on the part of NE are subject to change and non-binding, even for repeat orders, unless NE has expressly indicated this as binding in writing.

(2) If the order should qualify as an offer in accordance with § 145 of the BGB [German Civil Code] then NE shall be permitted to accept this within two weeks, through consignment of an order confirmation, or by sending the ordered goods to the purchaser within this time period.

(3) Dimensions, weights, figures, diagrams and other data relating to non-binding offers by NE remain the property of NE and are only approximately decisive, insofar as they have not been expressly indicated as binding by NE.

3. Prices, terms and conditions of payment

(1) If the agreed delivery time should exceed a period of four months from the conclusion of the Contract, or the delivery is delayed for more than fourth months from the conclusion of the Contract for reasons attributed to the purchaser alone or which come within his sphere of risk, then NE is entitled to charge the current price on the day of delivery. If the increase in price amounts to more than 5% of the named purchase price, then the purchaser is entitled to withdraw from the Contract. This right to withdraw does not apply if the purchaser fails to administrate it within a period of two weeks, beginning with the date of the notification of the new price.

(2) The prices apply "ex-warehouse" insofar as no deviating agreement with the purchaser has been made in addition to the VAT rate at the time of the invoicing. Packaging costs are not included in the price.

(3) Unless otherwise agreed in writing with the purchaser, the purchase price shall be payable by the purchaser immediately following the invoice date, without delay and following deductions. Payments made by the purchaser shall be credited first of all to their previous debts, irrespective of any deviating provisions. Where costs and interest have already arisen, we are entitled to credit a payment first to the costs, then to the interest and finally to the principal amount.

(4) If a cash deduction is agreed in writing, then no other payable claims can be made against the purchaser.

(5) The acceptance of exchanges or cheques shall only be completed on account; the cost of discounting and inclusion shall be borne by the purchaser. Following acceptance of the exchange, NE is entitled to return the exchange, in case acceptance is refused by the State Central Bank.

(6) If, following the order confirmation, NE should become aware of facts which raise reasonable doubt regarding the purchaser's ability to meet financial obligations, NE is entitled to request the full payment or a corresponding security deposit prior to delivery, and also to withdraw from the Contract if the payment deadline is not adhered to. Besides a delay in payment as outlined above, corresponding information from a bank, credit agency or a company involved in commercial relations with the purchaser, referring in particular to the careful nature of a prudent businessman, may be considered as evidence of a significant decline in wealth. If delivery has already taken place, invoiced amounts shall be considered payable immediately, regardless of agreed payment conditions, and where appropriate on return of acceptances.

(7) Should the purchaser make a delayed payment, NE is entitled to request interest at 8% above the current basic interest rate of the European Central Bank (ECB) at the relevant point in time. NE reserves the right to demonstrate evidence of greater losses.

(8) The purchaser is only entitled to compensation if the counterclaims are found to be legally binding, recognised by NE or indisputable, even if notifications of defects or counterclaims are asserted. The Purchaser is only authorised to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

(9) At the refusal of the Purchaser to pay or where a payment deadline has not been met, NE is entitled to fully or partly withdraw from the Contract and request compensation for damages.

4. Delivery and service time; Force Majeure

(1) Delivery deadlines or periods which have not been expressly agreed as binding shall simply represent information that is without obligation.

(2) Part-deliveries are acceptable, insofar as the Purchaser is not put at an unreasonable disadvantage.

(3) NE reserves the right to claim 10% of any excess deliveries and short deliveries.

(4) If dispatch is delayed at the Purchaser's request, NE shall store the respective items at the purchaser's expense and risk.

(5) The delivery period may be extended in the case of Force Majeure, strike, blameless incapacity and adverse weather conditions during the period of delay.

5. Delay in Delivery

(1) Where NE is culpable of not adhering to an expressly agreed deadline or is delayed for other reasons, the Purchaser shall arrange to guarantee NE a suitable grace period beginning from the first day of delay. Where this grace period has elapsed without delivery, the Purchaser is entitled to withdraw from the Contract.

(2) NE is liable according to legal requirements, insofar as the delay in delivery depends on an intentionally assigned or grossly negligent breach of contract. NE shall assign responsibility to its representatives or vicarious agents. If this should not be the case, liability for damages shall be limited to foreseeable damage considered typical for the contract. According to loyalty and good faith, economic circumstances, type, scope and duration of the commercial relationship shall be carefully considered in favour of NE regarding the amount of compensation.

(3) If the delay in delivery represented by NE rests on the culpable breach of a significant contractual obligation, NE is liable according to legal provisions; whereby its liability is limited to foreseeable damage considered typical for the Contract.

(4) Further legal claims and rights of the Purchaser remain unaffected by a delay in delivery on the part of NE.

6. Transfer of risk, shipping and packaging, withdrawal

(1) Unless otherwise specified on the order confirmation, all deliveries are made "ex warehouse". Shipment and dispatch shall not be

insured; this is at the Purchaser's own risk. This applies equally to return deliveries. NE endeavours to consider the interests of the Purchaser with respect to the type of shipping. Any additional costs which this may entail shall be borne by the Purchaser, even in the case of "free delivery" of agreed freight.

(2) If dispatch is delayed at the Purchaser's request or through fault on the part of the latter, the Vendor shall store the respective items at the purchaser's expense and risk. In this case, the advertisement of readiness for dispatch is equal to that of shipping.

(3) Transport packing and other convenience packaging shall not be withdrawn.

(4) A withdrawal of individual rings to be distributed in the aftermarket is excluded.

7. Guarantee, liability

(1) The Purchaser shall inspect the received goods for completeness, damage during transit, apparent defects, quality and its subsequent characteristics. The Purchaser shall notify NE immediately and in writing of any apparent defects within an acceptable period of the transaction. NE assumes no guarantee for rectifying apparent defects for which a claim is not immediately made in writing by the Purchaser.

(2) Provided that there is a defect evident in the goods for which NE may be held responsible, and provided a claim is made against it in due time by the Purchaser, NE shall, with the exclusion of the rights of the Subsidiary of NIPPON PISTON RING CO., LTD Purchaser, withdraw from the Contract or reduce the purchase price in the interests of supplementary performance, unless NE is entitled to refusal of subsequent performance on legal grounds. The Purchaser shall guarantee to provide NE with an appropriate deadline for the rectification of each individual defect in the interests of subsequent performance.

(3) Subsequent performance can be implemented, according to the wishes of NE, either through rectification of the defect or the delivery of replacement goods. NE is entitled to refuse subsequent performance chosen by the Purchaser if it is associated with disproportionate costs. During subsequent performance, a reduction in the purchase price or withdrawal from the Contract are excluded by the Purchaser. Subsequent improvement is considered to have failed following the second unsuccessful attempt. Where subsequent performance has failed or where NE has refused it altogether, the Purchaser can, if he chooses, further decrease the purchase price (reduction) or declare his withdrawal from the Contract.

(4) In the case of subsequent performance, NE bears all necessary expenses for the purposes of rectifying defects, in particular transport and labour costs. This only applies insofar as the

INTRODUCTION

expenses do not increase because the delivery item was brought to a location other than the place of performance.

(5) Warranty claims made by the Purchaser are not deemed valid if the defect can be attributed to a breach of operating, maintenance or installation instructions, or inappropriate processing or use by the Purchaser or a third party.

(6) Claims made by the Purchaser for material defects shall be time-barred for 24 months following the transfer of risk, according to legal provisions.

(7) The Purchaser may only validate damages claims for the defect based on the following conditions if subsequent performance has failed or if NE refuses subsequent performance. The right of the Purchaser to assert additional damages claims regarding the following conditions remains unaffected.

(8) NE is only liable according to legal provisions insofar as damages claims which can be attributed to fraud, deliberate intent, or gross negligence by NE are asserted by the Purchaser. If no deliberate intent by NE to breach the terms of the Contract is apparent, liability is limited to foreseeable damage considered typical for the Contract. NE is furthermore liable according to legal provisions insofar as it culpably violates an essential contractual obligation. In this case, liability is limited to foreseeable damage considered typical for the Contract. Continual liability for damages not mentioned in the above provisions shall not be accepted irrespective of the legal nature of the asserted claim.

(9) Damage claims arising from culpable injury to life, limb or health, from the acquisition of warranties or on the grounds of the mandatory provisions of the Produkthaftungsgesetz [German Product Liability Act], remain unchanged by the preceding provisions.

(10) Insofar as liability for damages caused by NE is excluded or limited, this shall also apply to the personal liability of its employees, representatives and vicarious agents.

8. Retention of title

(1) NE reserves ownership of the Goods up to receipt of all payments from commercial relations with the Purchaser.

(2) The Purchaser shall notify NE of all third party involvement immediately and in writing, in particular law enforcement procedures and other restrictions to ownership. The Purchaser shall replace all damages and costs for NE arising from a breach of this liability, using necessary intervention measures against the involvement of third parties.

(3) The Purchaser may not pledge or assign as security the items delivered hereunder. In the case of pledging, appropriation or other use by

a third party, NE shall be notified immediately. Enforcement officers and third parties shall

(4) Should the Purchaser breach the terms of the Contract, notably in the case of a delay in payment, NE shall be entitled to request a reduction in the deadline. A previous withdrawal from the Contract is not required for a demand for reduction. Any transport costs resulting from this shall be borne by the Purchaser.

(5) Should retention of title be asserted on the part of NE or a pledge implemented for the delivered items, this shall not be considered a withdrawal from the Contract.

(6) The Purchaser is entitled to redistribute the items for delivery as part of routine business activities. The Purchaser has already assigned all receivables arising from redistribution to the Purchaser and independent of whether or not the items for delivery were altered during redistribution, to NE, to the sum of the purchase price agreed between NE and the Purchaser and including VAT. The Purchaser is entitled to collect these receivables following transfer. NE undertakes not to collect the receivables provided that the Purchaser properly complies with his payment obligations and is not in arrears with payment. If this is indeed the case, NE can request the disclosure of all necessary information for collection.

(7) Processing of goods by the Purchaser shall always be undertaken for NE. If the goods are processed alongside other items not belonging to NE, NE shall acquire joint ownership of the new items in the ratio of the value of the delivered goods to the value of the other items at the time of processing.

9. Final provisions, applicable law

(1) Unless otherwise agreed, the place of business is the NE delivery location.

(2) If the Purchaser is a businessman, the place of jurisdiction is the court responsible for the NE place of business. However, NE is entitled to take action against the Purchaser at its general place of jurisdiction. The court of jurisdiction shall be the same if the Purchaser has no general domestic court of jurisdiction, relocates their place of residence or normal home abroad on conclusion of the Contract, or their place of residence or normal home is unknown at the time that the claim is made.

(3) The Purchaser is not entitled to assign claims from the purchase contract without the consent of NE.

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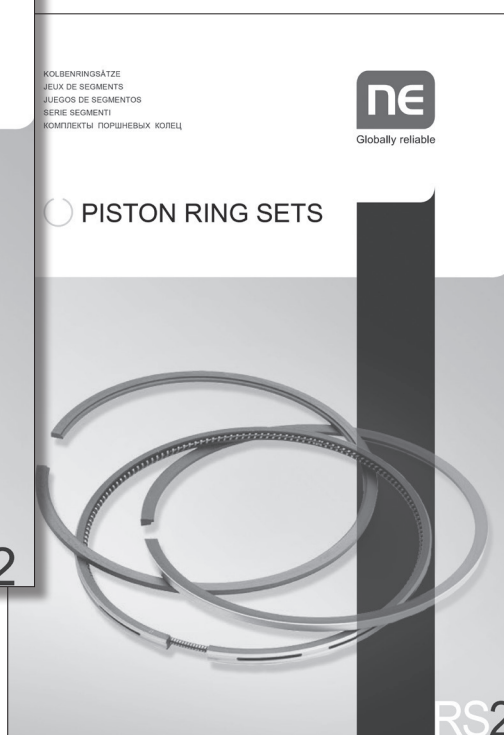
Des catalogues de plus et informations sur nos produits

Au-delà de ce catalogue, vous pouvez également obtenir plus de produits à travers le service commercial de la société NPR of Europe GmbH.

Renseignez-vous sur notre programme des coussinets et utilisez notre programme de produits, qui est mis à jour régulièrement.



Catalogue B2: Coussinets



Catalogue RS2: Jeux de segments



Produit-Manager: tout le programme online

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Informations dans ce catalogue

Les pistons peuvent être installés sans retouches. En matière de la performance et du matériau nous nous sommes orientés à l'équipement des constructeurs. Vous trouvez les spécifications des segments à l'aide des coupes transversales et des abréviations sur les pages 48 / 49. Noms, les descriptions et les autres détails de véhicules et les fabricants sont cités seulement dans l'objectif de comparaison. Les segments de piston figurant dans le catalogue correspondent aux pièces détachées de la qualité-NE.

Le catalogue a été créé avec beaucoup de soin et de contrôle. Nous ne sommes pas responsables des conséquences de toute erreur ou omission. Nous nous réservons également les changements nécessaires technique ou en matière de la spécification des segments, car la technologie est soumise au secteur des segments de piston d'un développement continu.

Le choix des pistons est soumis à des changements permanents. Si vous êtes à la recherche d'un piston qui ne figure pas dans notre catalogue, merci de contacter notre service commercial. Ce catalogue annule et remplace toutes les éditions précédentes.

Les commandes sont acceptées sous réserve de nos termes et conditions de vente, qui peuvent être consultés à tout moment sur Internet et qu'on met à votre disposition.

La reproduction ou la copie de ce catalogue est interdite, des images graphiques ainsi que la conception sont protégés.

Certificat

On est sûr de la qualité de nos produits ainsi que de notre service. Pour cette raison, nous sommes certifiés selon la norme ISO / **TS 16949:2009** et **ISO 9001:2008**.

C'est pour cela, vous pouvez faire confiance pour vos produits dans notre service et nos produits dedans.

Marquage des cotes réparation

mm	Référence NE
STD	71XXXX0000
0,25	71XXXX2500
0,50	71XXXX5000
0,75	71XXXX7500
1,00	71XXXX1000
1,25	71XXXX1200
1,50	71XXXX1500

Clé numérique des références

- 70 = Chemise
- 71 = Piston
- 72 = Ensemble

Indicateur de panne de moteur

CONSOMMATION EXCESSIVE D'HUILE

FUI TE D'HUI LE DANS L'ADMISSION ET LE SYSTÈME D'ÉCHAPPEMENT																FUI TE D'HUI LE DANS LA CHAMBRE DE COMBUSTION										MANQUE D'HUI LE			
		Turbo- compresseur		Segment de piston						Piston				Cylindre		Soupape	Guide de soupape	Joint de soupape											
																													
Problème		arbre usé	joint endomagé	érosion	écartement trop fermé	rupture	déformation	PT réduit	usure anormale	adhérence du segment	dépôt de carbone sur la couronne de piston	érosion du piston	segment usé	piston rainuré	déformation	usure	usure	usure	dégradation	usure									
Utilisation inappropriée	poussière d'admission	●	●	✖	✖	✖		✖	●	✖	✖		●			●	●	●	✖	●									
	substance étrangère dans le carburant			✖	✖	✖		✖	●	✖	✖		●			●													
	huile inappropriée	●	●	●	✖	✖		✖	●	●	●		●			●	●	●	✖	●									
	carburant de qualité inférieure			✖					✖	✖	●		●			●			✖	●									
	surcharge			✖				✖	✖	✖	✖	●				✖													
	régime moteur faible à forte charge							✖	●	✖	✖	●				✖													
	surrégime			✖		●						●	✖																
	surchauffe			✖		✖		✖		✖	✖	●							✖										
Maintenance insuffisante	huile moteur	détérioration	✖	✖	✖	✖	✖		✖	●	✖	✖	✖	✖		●	●	●	✖	●									
		substance étrangère incorporée	●	●		✖	✖		✖	●	✖	✖					●	●	●		●								
		quantité insuffisante	✖	✖					✖	●																			
	admission	contamination par la poussière	●	●		✖	✖		✖	●	✖	✖					●	✖	✖	✖	●								
		engorgement épurateur	●	●		✖	✖		✖	●	✖	✖					●	✖	✖	✖	●								
	eau de refroidissement	quantité insuffisante			●				✖	✖	✖		●				✖												
		anomalie			✖		✖			✖			●	●															
	Autres	pièces	a dépassé sa durée de vie				✖		●		✖					●	✖	✖	✖	✖	✖								
montage erroné					✖		✖	✖	✖	✖	✖		✖	●							✖								
mauvaise pièce montée					✖	●	✖	✖	✖	✖	✖		✖																

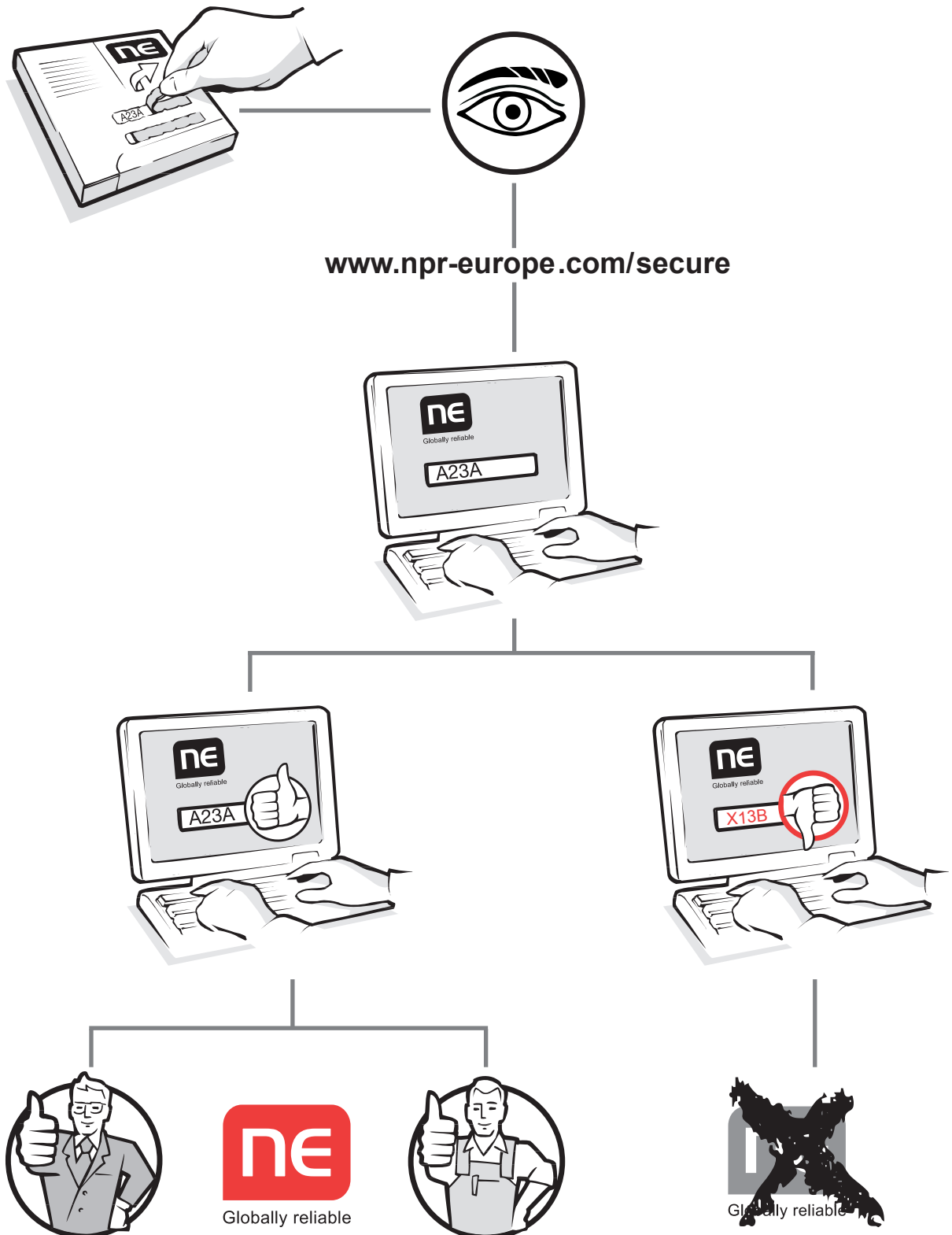
●

 cause directe

✖

 cause indirecte

Vérification de la sécurité



Segments sections transversales



910



911 IW U



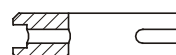
946 EX



910 CR



911 IW U CR



947



910 IF



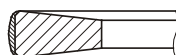
913 CR



947 EX



910 IF CR



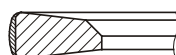
914 CR / 916 CR



947 EX CR



910 IW CR



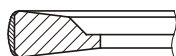
914 IF CR / 916 IF CR



947 EX NIT



911



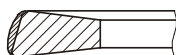
914 IW CR / 916 IW CR



948



911 CR



917 CR



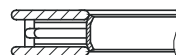
948 EX



911 IF



930



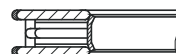
777 NIT



911 IF CR



930 IF



777 CR



911 IF U CR



931



911 IW



946

Revêtements et traitements de surface

CR	face portante chromée
MO	face portante revêtue de molybdène
PL	face portante revêtue de plasma
NIT	nituré
TF	face portante revêtue de teflon
4CR	toutes les surfaces chromées
3CR	toutes les surfaces chromées sauf face portante
FE	Ferro-Oxyde
FX	face portante remplie de forrox
P	phosphaté
SN	étamé
IN	ressort spiroidal et intérieur du racleur chromés
FS	ergot d'arrêt
PVD	dépôt physique en phase vapeur

Informations sur le produit

Pour qu'un moteur reconditionné reçoive la fiabilité et la durabilité souhaitée, il est très important d'utiliser les meilleurs matériaux et afin que le technicien peut installer ceux-ci en toute sécurité.

Pour garantir la qualité des produits NE, l'installateur doit procéder à la réparation avec le plus grand soin et la compréhension technique appropriée.

Tous les pistons NE sont livrés prêts à monter. Avec des segments assortis au piston, l'axe et la tige de sécurité de piston.



Formes de piston

La géométrie de la chambre de combustion et celle de la surface de piston ont une influence significative sur la carburation et la combustion. Ceci s'applique en particulier dans les moteurs diesel, car la chambre de combustion doit être entièrement logée dans la cavité de piston à un taux de compression élevé et une tête de cylindre plate. À travers la cavité de piston se définit la forme de la chambre de combustion et aussi la résistance de la tête de piston. Surtout avec des pistons en aluminium, qui s'utilisent actuellement

pour des raisons de poids, ce qui nécessite des solutions techniques sophistiquées, qui offrent des produits de NE.

Outre les pistons en aluminium, dans les moteurs diesel s'utilisent aussi des pistons en fonte et en acier.

Les moteurs suralimentés modernes ont besoin pour refroidir d'une seringue à piston avec un canal supplémentaire de refroidissement.

Dans la gamme de produits de NE, vous trouvez toutes les versions des pistons dans la qualité habituelle de NE.

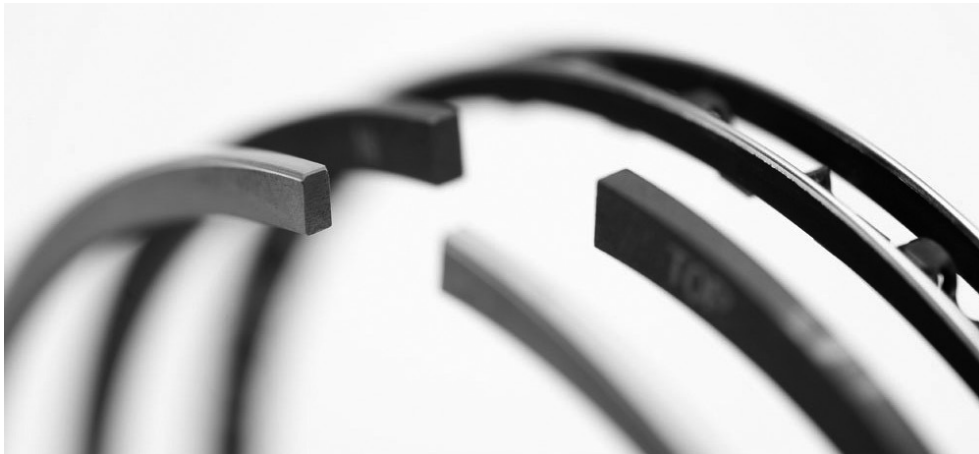


Segments de piston

Les segments de piston sont utilisés en tant qu'élément d'étanchéité entre la chambre de combustion et le carter du vilebrequin. En outre, ils servent au contrôle du film d'huile.

Lors du montage des segments sur le

piston, il est primordial que les segments ne doivent pas être écartés successivement, sinon cela entraîne des déformations irréparables au niveau de segment. Pour cette raison, tous nos segments de piston NE sont fournis prêts à monter.



Chemises de cylindre

Chemises de cylindre et des pistons doivent être parfaitement adaptées, pour garantir une longue durée de vie dans ce système tribologique complexe.

Les chemises de cylindre sont disponibles soit sèches ou humides, semi ou finie, bague polies ainsi comme cylindre à ailettes.



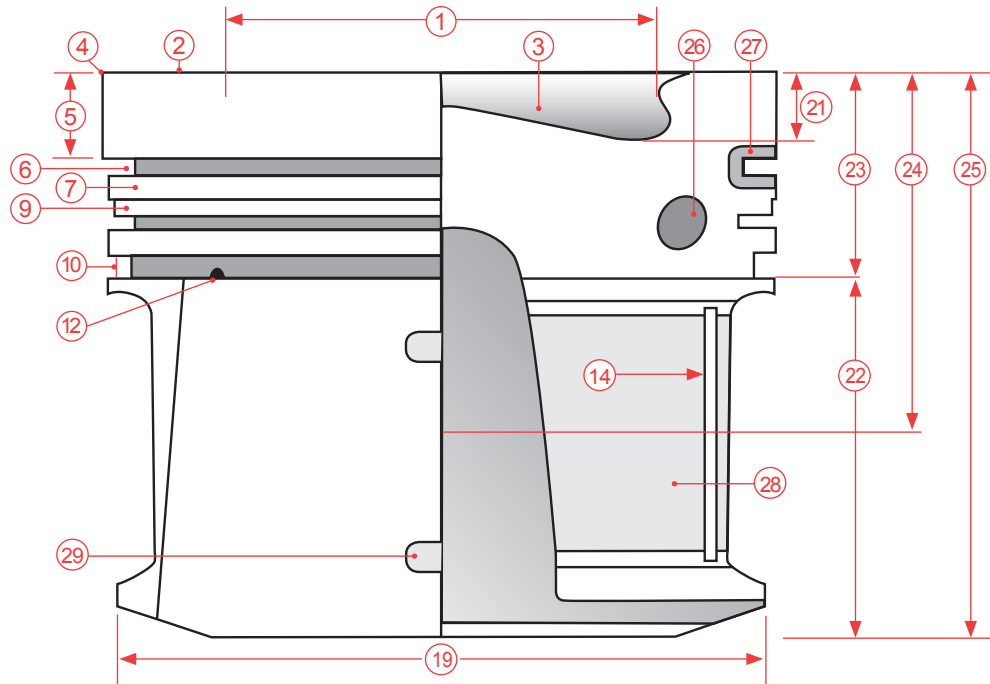
Ensemble

Le piston, les segments de piston, axes de piston, la tige de piston et la chemise forment l'ensemble de NE que nous fournissons prêt à monter.

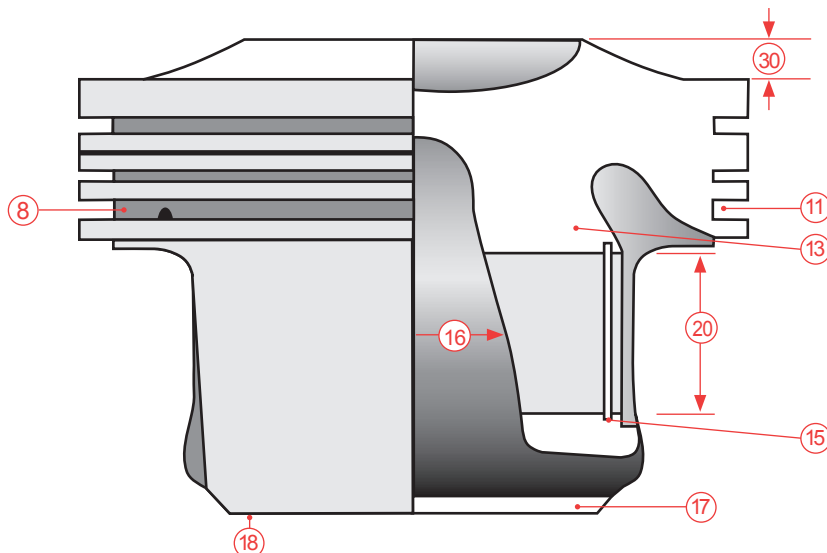
Les ensembles sont soumises à des contrôles de qualité stricts. Pendant le stockage, la revente et l'installation les chocs doivent être évités.



Termes techniques sur les pistons



- | | | |
|--------------------------------------|---|--|
| 1 Ø de la chambre de combustion | 10 flancs de la gorge | 21 profondeur de la chambre de combustion (MT) |
| 2 tête de piston | 11 gorge pour segment racleur d'huile | 22 partie de la jupe |
| 3 chambre de combustion | 12 orifice de retour d'huile | 23 zone de segmentation |
| 4 bord de l'extrémité du fond | 13 bossage d'axe de piston | 24 hauteur de compression du piston |
| 5 cordon de feu (entretoise de fond) | 14 distance entre les gorges pour arrêt | 25 longueur du piston |
| 6 gorge pour segment de compression | 15 gorge pour bague de sûreté | 26 canal de refroidissement d'huile |
| 7 cordon entre segments | 16 distance entre bossage d'axe | 27 porte-segment |
| 8 fond de la gorge | 17 fixation pour centrage | 28 douille |
| 9 cordon entre segments en retrait | 18 arête inférieure de la jupe | 29 Ø de la fenêtre de mesure |
| | 19 diamètre du piston à 90 °C contrairement à l'alésage d'axe | 30 bombé de la tête du piston (BÜ) |
| | 20 alésage de l'axe du piston | |





Globally reliable

INTRODUCTION

Indications sur l'utilisation du catalogue

Caractéristiques de moteur

Au début de chaque constructeur du véhicule vous trouvez un aperçu détaillé sur la description des moteurs ainsi que leurs données techniques. Ceux-ci sont triés dans l'ordre alphanumérique.

constructeur du véhicule		nombre de cylindres		course du piston		séquence de position	
 Globally reliable		CITROËN					
					ccm	Pos.	
161	D	4	80,00	88,00	1769	10	
161A (XUD7)	D	4	80,00	88,00	1769	10	

code du moteur

type de carburant (B=gasoline, D=Diesel)

diamètre du cylindre

cylindrée du moteur

INTRODUCTION

La partie catalogue

la séquence de position

La séquence de position dans la partie catalogue suivante est déterminée selon le diamètre du cylindre en moteur.

diamètre du cylindre

constructeur automobile

ne Globally reliable

PEUGEOT

20 **84,00 mm**

504 (A, M, L) 1.8 (A01, A03)

07/68 - 02/71

KH 38,25
R11 1 43

L 70,00
Ø 23,00

1,50 910 IF CR S
2 00 930 FF

AØ 93,00
R 90 00

O-Ringe

séquence de position

Données sur le véhicule

modèle de véhicule + motorisation

l'année de construction-période

21 **85,00 mm**

206 2.0 HDi 90
306 2.0 HDi 90
307 2.0 HDi 110
307 2.0 HDi 90
406 2.0 HDi 110
406 2.0 HDi 110
406 2.0 HDi 90

12/99 -
06/99 - 04/02
08/00 -
08/00 -
06/98 - 10/04
08/01 - 10/04
02/99 - 10/04

607 2.0 HDi
607 2.0 HDi
806 2.0 HDi
Boxer 2.0 HDi
Expert 2.0 HDi
Partner 2.0 HDi

03/01 - 07/04
05/00 -
08/99 - 08/02
04/02 -
07/00 -
02/00 -

KH 46,75
VT1 -1,00
VT2 -1,00
MT -18,30
Ø 23,00

RTK
TPL

L 70,00
Ø 28,00

3,50 916 CR
2,00 911 IF P
3,00 947 EX CR

Données sur le produit

Données sur le piston (mm)
KH = hauteur de compression
MT = profondeur de la chambre de combustion
VT = profondeur de la poche de soupape
M-Ø = diamètre de la chambre de combustion
GL = longueur totale

L'axe du piston (mm)
L = longueur
Ø = diamètre

Cylindre / Chemise (mm)
A-Ø = diamètre extérieur
B-Ø = diamètre de l'épaulement
GL = longueur totale

Désignation piston

RTK = piston avec anneau porte-segment
 TPL = bielle trapézoïdale
 LOX = piston à tête anodisée
 KKK = piston avec canal de refroidissement
 KBB = piston avec une douille
 HKÜ = piston en surcote avec hauteur de compression réduite

Jeu de segments

revêtement de surface de frottement
 hauteur du segment (mm)
 Segment- sections transversales

20 84,00 mm 504 (A_, M_) 1.8 (A01, A03) 07/68 - 02/71								
		KH 38,25 BU 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S		AØ 93,00 B 90,00 GL 136,20 nass O-Ringe
TNR		7137120000				8937120000	7037040000	7237120000
VE		4				1	4	4

numéro d'article piston

numéro d'article cylindre

numéro d'article segments de piston

numéro d'article ensembles

unité d'emballage

Conditions générales de NPR of Europe GmbH

General Terms and Conditions of NPR of Europe GmbH (hereinafter referred to as "NE"), Siemensstr. 56, 70825 Korntal-Münchingen
Verkaufs- und Lieferbedingungen

Terms and Conditions of Sale and Delivery
as at 07/2007

1. Scope

(1) The following conditions of sale apply for all Contracts concluded between NE and the Purchaser regarding the delivery of goods. They shall also apply to all future commercial relations even if they have not been expressly agreed. General terms and conditions of the purchaser do not apply to NE, even if this are not contradicted by NE.

(2) All agreements reached between NE and the purchaser in connection with the purchase contracts, are in the purchase contract, these conditions and the order confirmation put in writing by NE.

2. Offers and conclusion of the contract

(1) Offers on the part of NE are subject to change and non-binding, even for repeat orders, unless NE has expressly indicated this as binding in writing.

(2) If the order should qualify as an offer in accordance with § 145 of the BGB [German Civil Code] then NE shall be permitted to accept this within two weeks, through consignment of an order confirmation, or by sending the ordered goods to the purchaser within this time period.

(3) Dimensions, weights, figures, diagrams and other data relating to non-binding offers by NE remain the property of NE and are only approximately decisive, insofar as they have not been expressly indicated as binding by NE.

3. Prices, terms and conditions of payment

(1) If the agreed delivery time should exceed a period of four months from the conclusion of the Contract, or the delivery is delayed for more than fourth months from the conclusion of the Contract for reasons attributed to the purchaser alone or which come within his sphere of risk, then NE is entitled to charge the current price on the day of delivery. If the increase in price amounts to more than 5% of the named purchase price, then the purchaser is entitled to withdraw from the Contract. This right to withdraw does not apply if the purchaser fails to administrate it within a period of two weeks, beginning with the date of the notification of the new price.

(2) The prices apply "ex-warehouse" insofar as no deviating agreement with the purchaser has been made in addition to the VAT rate at the time of the invoicing. Packaging costs are not included in the price.

(3) Unless otherwise agreed in writing with the purchaser, the purchase price shall be payable by the purchaser immediately following the invoice date, without delay and following deductions. Payments made by the purchaser shall be credited first of all to their previous debts, irrespective of any deviating provisions. Where costs and interest have already arisen, we are entitled to credit a payment first to the costs, then to the interest and finally to the principal amount.

(4) If a cash deduction is agreed in writing, then no other payable claims can be made against the purchaser.

(5) The acceptance of exchanges or cheques shall only be completed on account; the cost of discounting and inclusion shall be borne by the purchaser. Following acceptance of the exchange, NE is entitled to return the exchange, in case acceptance is refused by the State Central Bank.

(6) If, following the order confirmation, NE should become aware of facts which raise reasonable doubt regarding the purchaser's ability to meet financial obligations, NE is entitled to request the full payment or a corresponding security deposit prior to delivery, and also to withdraw from the Contract if the payment deadline is not adhered to. Besides a delay in payment as outlined above, corresponding information from a bank, credit agency or a company involved in commercial relations with the purchaser, referring in particular to the careful nature of a prudent businessman, may be considered as evidence of a significant decline in wealth. If delivery has already taken place, invoiced amounts shall be considered payable immediately, regardless of agreed payment conditions, and where appropriate on return of acceptances.

(7) Should the purchaser make a delayed payment, NE is entitled to request interest at 8% above the current basic interest rate of the European Central Bank (ECB) at the relevant point in time. NE reserves the right to demonstrate evidence of greater losses.

(8) The purchaser is only entitled to compensation if the counterclaims are found to be legally binding, recognised by NE or indisputable, even if notifications of defects or counterclaims are asserted. The Purchaser is only authorised to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

(9) At the refusal of the Purchaser to pay or where a payment deadline has not been met, NE is entitled to fully or partly withdraw from the Contract and request compensation for damages.

4. Delivery and service time; Force Majeure

(1) Delivery deadlines or periods which have not been expressly agreed as binding shall simply represent information that is without obligation.

(2) Part-deliveries are acceptable, insofar as the Purchaser is not put at an unreasonable disadvantage.

(3) NE reserves the right to claim 10% of any excess deliveries and short deliveries.

(4) If dispatch is delayed at the Purchaser's request, NE shall store the respective items at the purchaser's expense and risk.

(5) The delivery period may be extended in the case of Force Majeure, strike, blameless incapacity and adverse weather conditions during the period of delay.

5. Delay in Delivery

(1) Where NE is culpable of not adhering to an expressly agreed deadline or is delayed for other reasons, the Purchaser shall arrange to guarantee NE a suitable grace period beginning from the first day of delay. Where this grace period has elapsed without delivery, the Purchaser is entitled to withdraw from the Contract.

(2) NE is liable according to legal requirements, insofar as the delay in delivery depends on an intentionally assigned or grossly negligent breach of contract. NE shall assign responsibility to its representatives or vicarious agents. If this should not be the case, liability for damages shall be limited to foreseeable damage considered typical for the contract. According to loyalty and good faith, economic circumstances, type, scope and duration of the commercial relationship shall be carefully considered in favour of NE regarding the amount of compensation.

(3) If the delay in delivery represented by NE rests on the culpable breach of a significant contractual obligation, NE is liable according to legal provisions; whereby its liability is limited to foreseeable damage considered typical for the Contract.

(4) Further legal claims and rights of the Purchaser remain unaffected by a delay in delivery on the part of NE.

6. Transfer of risk, shipping and packaging, withdrawal

(1) Unless otherwise specified on the order confirmation, all deliveries are made "ex warehouse". Shipment and dispatch shall not be

insured; this is at the Purchaser's own risk. This applies equally to return deliveries. NE endeavours to consider the interests of the Purchaser with respect to the type of shipping. Any additional costs which this may entail shall be borne by the Purchaser, even in the case of "free delivery" of agreed freight.

(2) If dispatch is delayed at the Purchaser's request or through fault on the part of the latter, the Vendor shall store the respective items at the purchaser's expense and risk. In this case, the advertisement of readiness for dispatch is equal to that of shipping.

(3) Transport packing and other convenience packaging shall not be withdrawn.

(4) A withdrawal of individual rings to be distributed in the aftermarket is excluded.

7. Guarantee, liability

(1) The Purchaser shall inspect the received goods for completeness, damage during transit, apparent defects, quality and its subsequent characteristics. The Purchaser shall notify NE immediately and in writing of any apparent defects within an acceptable period of the transaction. NE assumes no guarantee for rectifying apparent defects for which a claim is not immediately made in writing by the Purchaser.

(2) Provided that there is a defect evident in the goods for which NE may be held responsible, and provided a claim is made against it in due time by the Purchaser, NE shall, with the exclusion of the rights of the Subsidiary of NIPPON PISTON RING CO., LTD Purchaser, withdraw from the Contract or reduce the purchase price in the interests of supplementary performance, unless NE is entitled to refusal of subsequent performance on legal grounds. The Purchaser shall guarantee to provide NE with an appropriate deadline for the rectification of each individual defect in the interests of subsequent performance.

(3) Subsequent performance can be implemented, according to the wishes of NE, either through rectification of the defect or the delivery of replacement goods. NE is entitled to refuse subsequent performance chosen by the Purchaser if it is associated with disproportionate costs. During subsequent performance, a reduction in the purchase price or withdrawal from the Contract are excluded by the Purchaser. Subsequent improvement is considered to have failed following the second unsuccessful attempt. Where subsequent performance has failed or where NE has refused it altogether, the Purchaser can, if he chooses, further decrease the purchase price (reduction) or declare his withdrawal from the Contract.

(4) In the case of subsequent performance, NE bears all necessary expenses for the purposes of rectifying defects, in particular transport and labour costs. This only applies insofar as the

INTRODUCTION

expenses do not increase because the delivery item was brought to a location other than the place of performance.

(5) Warranty claims made by the Purchaser are not deemed valid if the defect can be attributed to a breach of operating, maintenance or installation instructions, or inappropriate processing or use by the Purchaser or a third party.

(6) Claims made by the Purchaser for material defects shall be time-barred for 24 months following the transfer of risk, according to legal provisions.

(7) The Purchaser may only validate damages claims for the defect based on the following conditions if subsequent performance has failed or if NE refuses subsequent performance. The right of the Purchaser to assert additional damages claims regarding the following conditions remains unaffected.

(8) NE is only liable according to legal provisions insofar as damages claims which can be attributed to fraud, deliberate intent, or gross negligence by NE are asserted by the Purchaser. If no deliberate intent by NE to breach the terms of the Contract is apparent, liability is limited to foreseeable damage considered typical for the Contract. NE is furthermore liable according to legal provisions insofar as it culpably violates an essential contractual obligation. In this case, liability is limited to foreseeable damage considered typical for the Contract. Continual liability for damages not mentioned in the above provisions shall not be accepted irrespective of the legal nature of the asserted claim.

(9) Damage claims arising from culpable injury to life, limb or health, from the acquisition of warranties or on the grounds of the mandatory provisions of the Produkthaftungsgesetz [German Product Liability Act], remain unchanged by the preceding provisions.

(10) Insofar as liability for damages caused by NE is excluded or limited, this shall also apply to the personal liability of its employees, representatives and vicarious agents.

8. Retention of title

(1) NE reserves ownership of the Goods up to receipt of all payments from commercial relations with the Purchaser.

(2) The Purchaser shall notify NE of all third party involvement immediately and in writing, in particular law enforcement procedures and other restrictions to ownership. The Purchaser shall replace all damages and costs for NE arising from a breach of this liability, using necessary intervention measures against the involvement of third parties.

(3) The Purchaser may not pledge or assign as security the items delivered hereunder. In the case of pledging, appropriation or other use by

a third party, NE shall be notified immediately. Enforcement officers and third parties shall

(4) Should the Purchaser breach the terms of the Contract, notably in the case of a delay in payment, NE shall be entitled to request a reduction in the deadline. A previous withdrawal from the Contract is not required for a demand for reduction. Any transport costs resulting from this shall be borne by the Purchaser.

(5) Should retention of title be asserted on the part of NE or a pledge implemented for the delivered items, this shall not be considered a withdrawal from the Contract.

(6) The Purchaser is entitled to redistribute the items for delivery as part of routine business activities. The Purchaser has already assigned all receivables arising from redistribution to the Purchaser and independent of whether or not the items for delivery were altered during redistribution, to NE, to the sum of the purchase price agreed between NE and the Purchaser and including VAT. The Purchaser is entitled to collect these receivables following transfer. NE undertakes not to collect the receivables provided that the Purchaser properly complies with his payment obligations and is not in arrears with payment. If this is indeed the case, NE can request the disclosure of all necessary information for collection.

(7) Processing of goods by the Purchaser shall always be undertaken for NE. If the goods are processed alongside other items not belonging to NE, NE shall acquire joint ownership of the new items in the ratio of the value of the delivered goods to the value of the other items at the time of processing.

9. Final provisions, applicable law

(1) Unless otherwise agreed, the place of business is the NE delivery location.

(2) If the Purchaser is a businessman, the place of jurisdiction is the court responsible for the NE place of business. However, NE is entitled to take action against the Purchaser at its general place of jurisdiction. The court of jurisdiction shall be the same if the Purchaser has no general domestic court of jurisdiction, relocates their place of residence or normal home abroad on conclusion of the Contract, or their place of residence or normal home is unknown at the time that the claim is made.

(3) The Purchaser is not entitled to assign claims from the purchase contract without the consent of NE.

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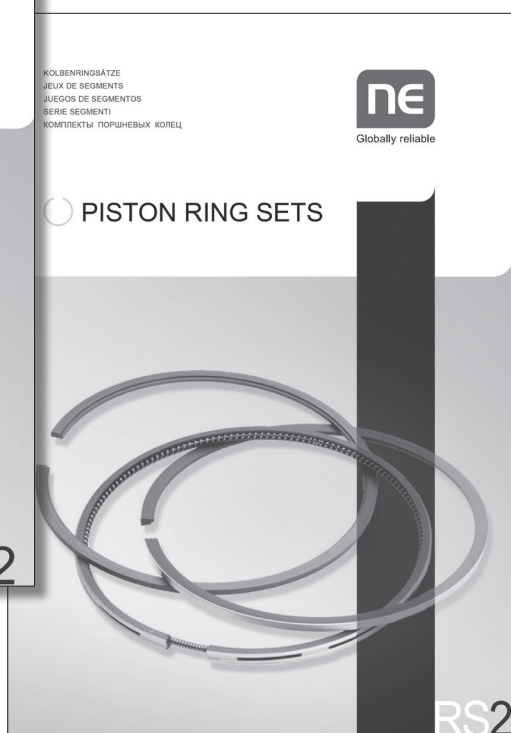
Otros catálogos e información acerca de nuestros productos

Además de los productos del presente catálogo, nuestro staff NPR of Europe posee otras piezas de motor a su disposición.

Por favor consulte nuestro programa de cojinetes de motor y también la sencilla aplicación „Product Manager” en nuestra página web la cual es actualizada constantemente.



Catálogo B2: Cojinetes



Catálogo RS2: Juegos de segmentos



Product Manager: catálogo completo online

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Indicaciones para el uso del catálogo

Nuestros pistones son suministrados listos para el montaje y fueron producidos de modo que no es necesario ningún retoque. En el montaje de los aros en el material nos hemos orientado en las especificaciones de equipamiento original de los fabricantes de automóviles. Las especificaciones técnicas de los aros contenidos en los pistones pueden ser consultadas en las aclaraciones de las páginas 68 y 69. Los nombres, descripciones, información pertinente de vehículos, como así de fabricantes son indicados solo a modo de comparación. Las piezas de motor contenidas en este catálogo poseen calidad NE.

Este catálogo fue elaborado y controlado con suma diligencia. No asumimos responsabilidad por la exactitud u omisión de los datos aquí brindados. Nos reservamos el derecho de realizar modificaciones en las especificaciones técnicas de las piezas de motor debido a la velocidad que impera en el desarrollo e innovación constante en el sector automotriz.

El repertorio de pistones sufre constantes cambios. Si no encuentra en este catálogo el pistón precisado por favor consulte a nuestro staff. Con la publicación de este catálogo pierden validez los catálogos publicados con anterioridad.

Todas las órdenes de pedidos son aceptadas bajo nuestras Condiciones Generales de Contratación, las cuales están impresas en el presente catálogo, pueden ser también consultadas en nuestra página Web, y ponemos todo tiempo a su disposición.

La copia y/o reproducción total o parcial de este catálogo está prohibida, las imágenes y diseños están protegidos por las leyes de propiedad intelectual.

Certificación

Como sabemos que nuestros productos y también nuestro servicio se mantienen firmes en cada examinación, dejamos con mucho orgullo que nos certifiquen auditores externos para confirmar nuestra calidad.

Nuestra gestión de calidad está certificada según normas ISO 9001:2008. Asimismo nuestros clientes fabricantes de vehículos nos han llevado a cumplir requisitos extras para proveer a sus terminales automotrices y por ello poseemos la certificación ISO/TS 16949:2009.

Acerca de sobremedidas

mm	Número de pieza NE
STD	71XXXX0000
0,25	71XXXX2500
0,50	71XXXX5000
0,75	71XXXX7500
1,00	71XXXX1000
1,25	71XXXX1200
1,50	71XXXX1500

Código numérico de las piezas

70 = Cilindro / Liner

71 = Pistón

72 = Conjunto pistón

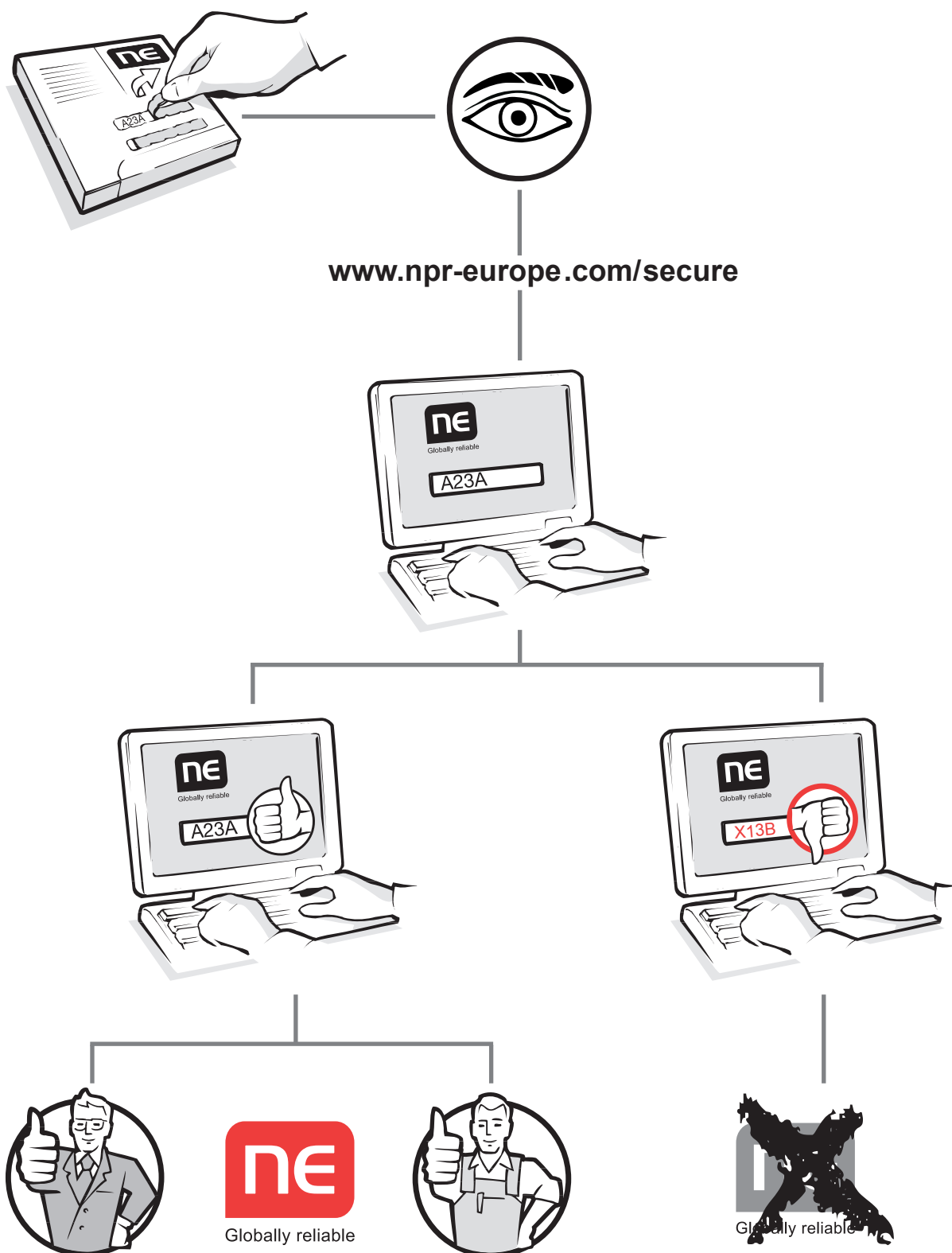
Indicador de problemas motor

CONSUMO EXCESIVO DE ACEITE

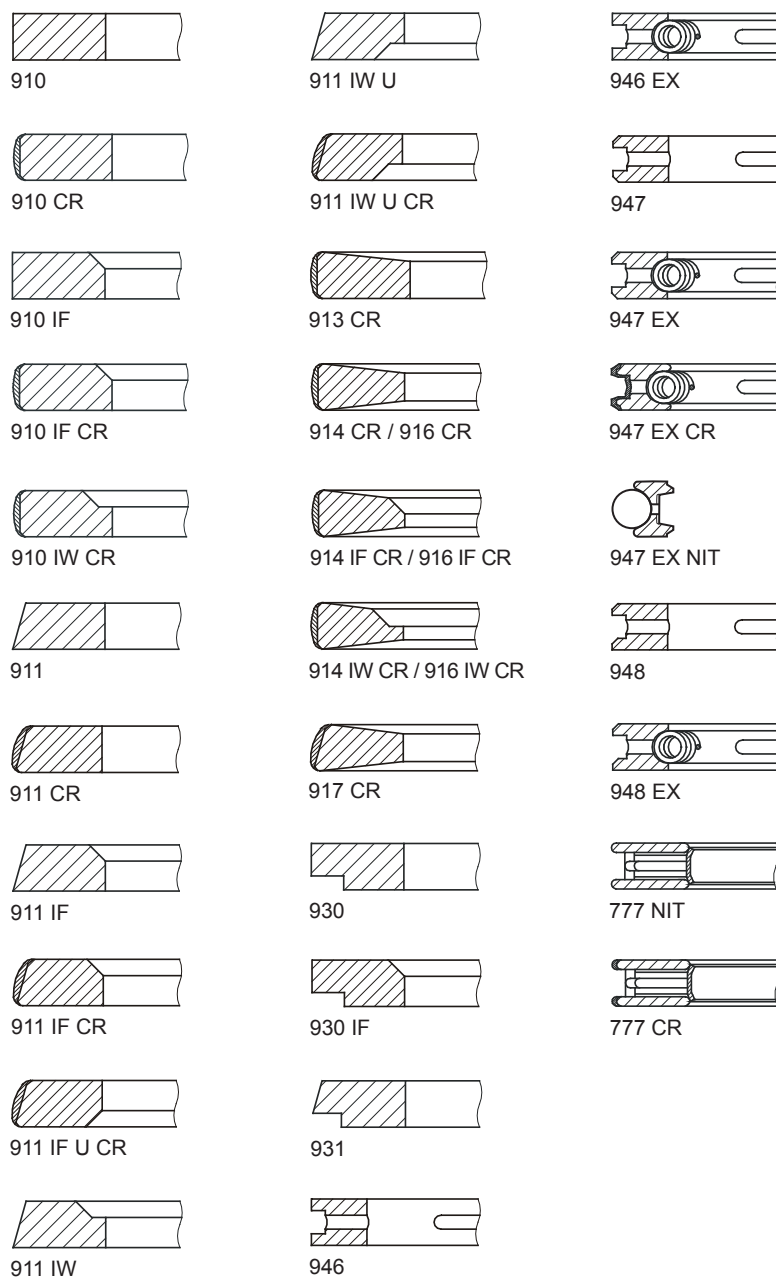
		FILTRACIÓN DE ACEITE EN EL SISTEMA DE ADMISIÓN Y DE ESCAPE						FILTRACIÓN DE ACEITE EN LA CÁMARA DE COMBUSTIÓN						FALTA DE ACEITE					
		Turbo-compresor		Segmento de pistón				Pistón				Cilindro	Válvula	Guía de válvula	Junta de válvula				
																			
Problemas		eje gastado	degradación de junta	desgaste por fricción	distancia demasiado cerrada	rotura	deformación	PT reducido	uso anómalo	adherencia del anillo	depósito de carbón sobre el tope del pistón	desgaste del pistón	segmento gastado ranura de pistón	deformación	uso	uso	uso	degradación	uso
Utilización inapropiada	polvo admisión	●	●	✖	✖	✖		✖	●	✖	✖		●		●	●	●	✖	●
	sustancia extraña en el carburante			✖	✖	✖		✖	●	✖	✖		●		●				
	aceite inapropiado	●	●	●	✖	✖		✖	●	●	●		●		●	●	●	✖	●
	carburante de calidad inferior			✖					✖	✖	●		●		●			✖	●
	sobrecarga			✖				✖	✖	✖	✖	●		✖					
	carga alta con motor a baja velocidad							✖	●	✖	✖	●		✖					
	embalamiento del motor			✖		●						●	✖						
	sobrecalentamiento			✖		✖		✖		✖	✖	●						✖	
Mantenimiento inadecuado	aceite motor	✖	✖	✖	✖	✖		✖	●	✖	✖	✖	✖		●	●	●	✖	●
	sustancia extraña incorporada	●	●		✖	✖		✖	●	✖	✖				●	●	●		●
	cantidad insuficiente	✖	✖					✖	●										
	contaminación por el polvo	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
	obstrucción del limpiador	●	●		✖	✖		✖	●	✖	✖				●	✖	✖	✖	●
	cantidad insuficiente			●				✖	✖	✖		●		✖					
	anomalía			✖		✖			✖			●	●						
Otros	pasó su duración de vida				✖		●			✖				●	✖	✖	✖	✖	✖
	piezas				✖		✖	✖	✖	✖			✖	●					✖
	pieza mal montada			✖	●	✖	✖	✖	✖	✖		✖							

● causa directa × causa indirecta

Verificación de seguridad y genuinidad



Corte transversal de aros de pistón



Revestimientos y tratamiento de superficies

CR	revestimiento cromo en cara de trabajo
MO	revestimiento Molibdeno
PL	revestimiento plasma
NIT	nitruado
TF	revestimiento teflón
4CR	revestimiento cromo en las 4 caras
3CR	revestimiento cromo en 3 caras
FE	oxidación ferrosa
FX	ara de trabajo con injerto de ferrox (oxido ferroso y silicato de sodio)
P	fosfatado (Japón: parkerising)
SN	revestimiento zinc
IN	resorte espiral y cavidad cromados
FS	con seguro interno (joint with side notch)
PVD	physical vapour deposition

Informaciones acerca del producto

Para que un motor reacondicionado logre la deseada larga vida útil y confiabilidad son determinantes la utilización de los mejores materiales y la calidad del trabajo del técnico de montaje.

Para que la alta calidad de los productos NE surta efecto es preciso que el mecánico realice el montaje con la debida diligencia y proceda con la correspondiente idoneidad técnica.

Todos los pistones originales NE son suministrados montados con los correspondientes segmentos de pistón, bulones y sus seguros.



Tipos de pistón

Las cavidades y la geometría de las superficies tienen efectos sobre la formación de la mezcla y la combustión. Esto tiene validez en especial para motores diésel debido a la alta relación de compresión y a la forma típicamente plana de la culata en toda la cámara de combustión en la cual se ubican las cavidades del pistón. A través de las cavidades del pistón se definen la cámara de combustión así como la firmeza del fondo del pistón.

Sobre todo en pistones de aluminio, los cuales son muy utilizados en la actuali-

dad a causa de su peso, son requeridas soluciones técnicas muy exigentes que suministran los productos NE.

En motores diésel son utilizados además de pistones de aluminio, pistones de acero y pistones de fundición gris.

Los motores turboalimentados modernos precisan para su refrigeración pistones con canales de refrigeración por aceite.

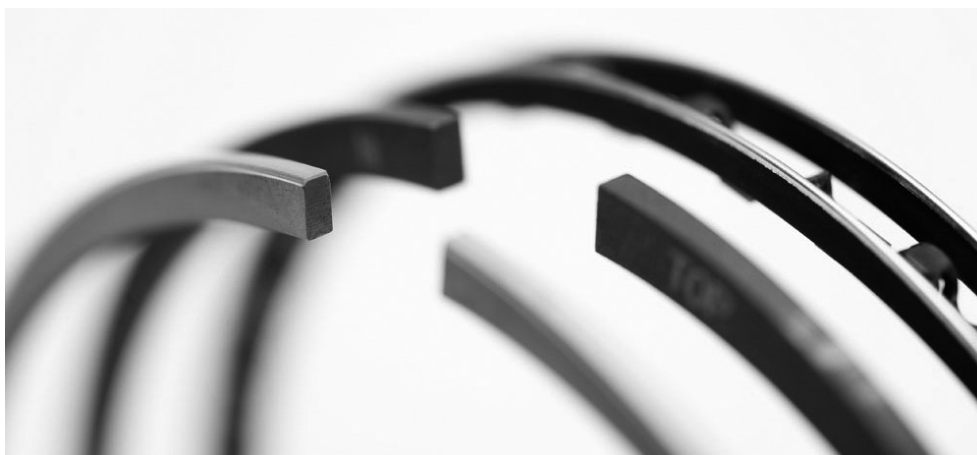
En el programa de productos NE encontrará todos los requerimientos de los pistones en la acostumbrada calidad NE.



Anillos de pistón

Los anillos de pistón tienen por misión estanqueizar la cámara de combustión para separarla de la cámara del cigüeñal. Además de ello los anillos sirven para el control del film de aceite. Al momento del montaje de los anillos en

el pistón se debe cuidar de no abrirlos en exceso, de lo contrario pueden verse dañados en sus propiedades y funciones. Por esta razón es que nuestros pistones son suministrados con anillos NE ya montados.



Camisas de cilindro

Las camisas de cilindro y los pistones deben ajustarse recíprocamente en forma perfecta, para que en el complejo sistema tribológico se pueda garantizar una larga

vida útil. Las camisas de cilindros las hay secas y húmedas, semiacabadas y listas, como así también con aletas.



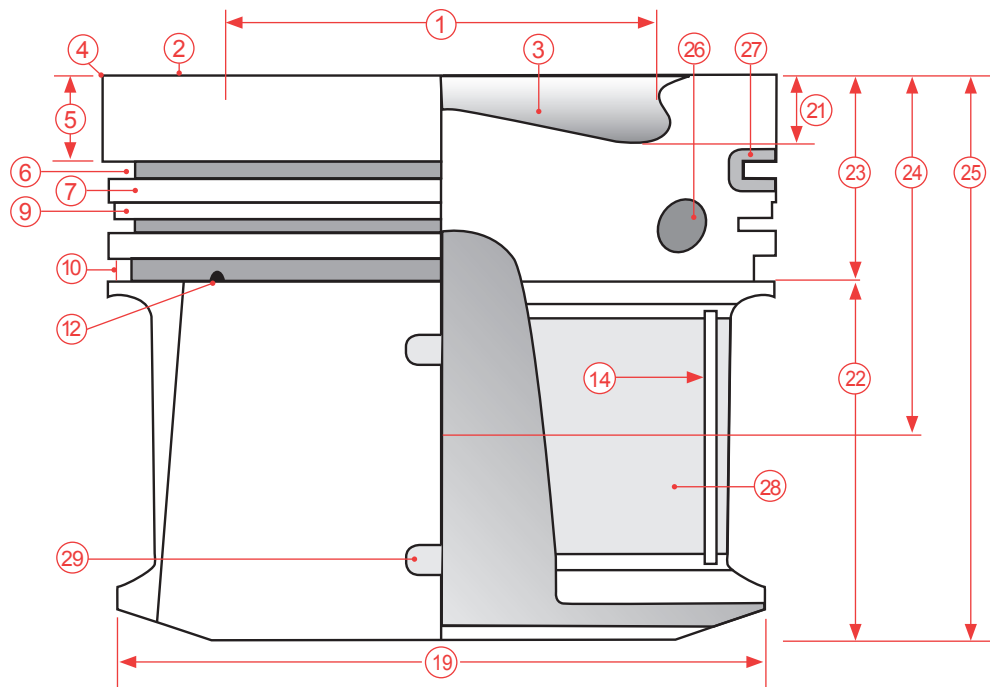
Conjunto pistón

El conjunto de pistón NE-Assembly esta constituido por el pistón, los aros de pistón, el bulón, seguros del bulón y la camisa del cilindro, es suministrado montado.

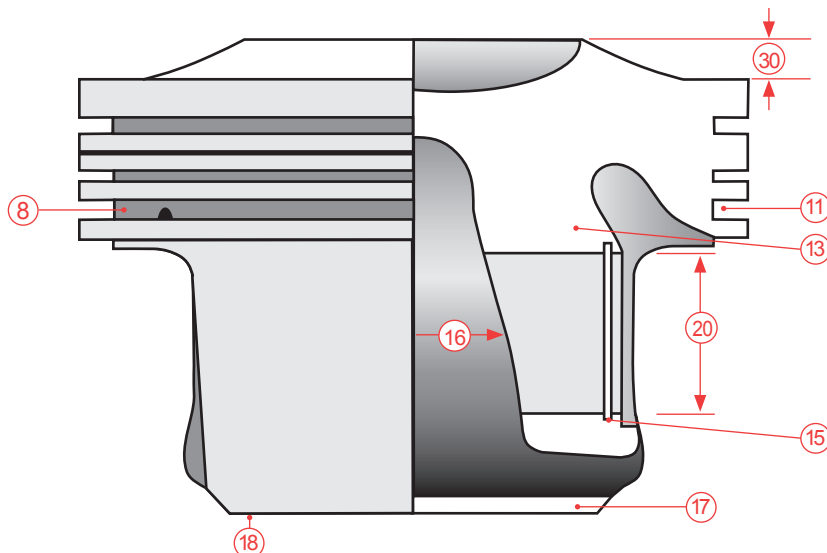
La producción de los conjuntos de pistón es llevada a cabo bajo severas pruebas de calidad. Evite que los cojuntos sean golpeados en el bodegaje, durante la venta y el montaje.



Terminología técnica de pistones



- | | | |
|---|---|--------------------------------------|
| 1 Ø de la cavidad | 11 Ranura para segmento rascador de aceite | 20 Agujero del bulón |
| 2 Cabeza del pistón | 12 Orificio de retorno de aceite | 21 Profundidad de la cavidad (MT) |
| 3 Cavidad del espacio de combustión | 13 Bancadas de bulón | 22 Parte del vástago |
| 4 Borde del fondo | 14 Seguro de distancia entre ranuras | 23 Parte del segmento |
| 5 Pared de fuego | 15 Ranura para anillo de retención | 24 Altura de compresión |
| 6 Ranura para segmento de compresión | 16 Distancia entre ojeteros | 25 Longitud del pistón |
| 7 Pared entre ranuras | 17 Ajuste | 26 Canal de refrigeración por aceite |
| 8 Fondo de ranura | 18 Borde inferior del vástago | 27 Portasegmento |
| 9 Parte plana entre ranuras retrocedida | 19 Diámetro del pistón desplazado 90 °C en dirección opuesta al agujero del bulón | 28 Buje |
| 10 Flancos de ranura | | 29 Ø de la ventana de medición |
| | | 30 Realce en cabeza (BÜ) |



Como utilizar correctamente este catálogo

Datos del motor

Al comienzo de cada fabricante de automóviles encontrará una descripción detallada sobre la denominación del motor y datos técnicos. Se encontrará en orden ascendente alfanumérico.

 CITROËN							
							
Denominación del motor (código de motor)	Combustible (B=Gasolina, D=Diesel)	cantidad de cilindros	el diámetro del orificio del motor	carrera de pistón	desplazamiento del motor	Pos.	
161	D	4	80,00	88,00	1769	10	
161A (XUD7)	D	4	80,00	88,00	1769	10	

Parte catálogo

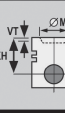
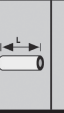
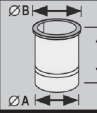
Posición

El orden en las secciones del catálogo se orienta según el diámetro del orificio del motor.

el diámetro del orificio del motor

fabricante del automóvil

ne Globally reliable **PEUGEOT**

						
20	84,00 mm					
504 (A_, M_) 1.8 (A01, A03)		07/68 - 02/71				
	KH 38,25 RÜ 1 43		L 70,00 Ø 23,00		1,50 910 IF CR S 2 00 930 FF	AØ 93,00 R 90 00
				O-Ringe		

número de posición

Datos vehículo

modelo del vehículo + motorización

el periodo del año de construcción

21	85,00 mm					
206 2.0 HDi 90		12/99 -	607 2.0 HDi	03/01 - 07/04		
306 2.0 HDi 90		06/99 - 04/02	607 2.0 HDi	05/00 -		
307 2.0 HDi 110		08/00 -	806 2.0 HDi	08/99 - 08/02		
307 2.0 HDi 90		08/00 -	Boxer 2.0 HDi	04/02 -		
406 2.0 HDi 110		06/98 - 10/04	Expert 2.0 HDi	07/00 -		
406 2.0 HDi 110		08/01 - 10/04	Partner 2.0 HDi	02/00 -		
406 2.0 HDi 90		02/99 - 10/04				
	KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 Ø 23,00	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR	

Datos producto

Datos del pistón (mm)

KH = altura de compresión
MT = profundidad de la cámara
VT = fresadura de válvula
M-Ø = diámetro de la cámara
GL = altura total

Cabilla del pistón (mm)

L = longitud
Ø = diámetro

Cilindro / Liner (mm)

A-Ø = diámetro externo
B-Ø = diámetro del borde
GL = longitud total

20	84,00 mm							
504 (A_, M_) 1.8 (A01, A03)								
		KH 38,25 BU 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	AØ 93,00 B 90,00 GL 136,20 nass	O-Ringe
TNR		7137120000				8937120000	7037040000	7237120000
VE		4				1	4	4

Designación del pistón

RTK = pistón con insert Al-fin
TPL = biela trapezoidal
LOX = cabeza anodizada
KKK = canal de refrigeración
KBB = alojamiento de bulón encasquillados en bronce
HKÜ = pistón de sobremedida con una reducida altura de compresión

Anillo de pistón

--- revestimiento de la superficie
--- altura del anillo (mm)
--- sección transversal del anillo

20	84,00 mm							
504 (A_, M_) 1.8 (A01, A03)								
		KH 38,25 BU 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	AØ 93,00 B 90,00 GL 136,20 nass	O-Ringe
TNR		7137120000				8937120000	7037040000	7237120000
VE		4				1	4	4

referencia del pistón

referencia anillo de pistón

referencia cilindro/ Liner

referencia assembly

Unidad de embalaje

Condiciones generales de contratación de NPR of Europe GmbH

General Terms and Conditions of NPR of Europe GmbH (hereinafter referred to as "NE"), Siemens-str. 56, 70825 Korntal-Münchingen
Verkaufs- und Lieferbedingungen

Terms and Conditions of Sale and Delivery
as at 07/2007

1. Scope

(1) The following conditions of sale apply for all Contracts concluded between NE and the Purchaser regarding the delivery of goods. They shall also apply to all future commercial relations even if they have not been expressly agreed. General terms and conditions of the purchaser do not apply to NE, even if this are not contradicted by NE.

(2) All agreements reached between NE and the purchaser in connection with the purchase contracts, are in the purchase contract, these conditions and the order confirmation put in writing by NE.

2. Offers and conclusion of the contract

(1) Offers on the part of NE are subject to change and non-binding, even for repeat orders, unless NE has expressly indicated this as binding in writing.

(2) If the order should qualify as an offer in accordance with § 145 of the BGB [German Civil Code] then NE shall be permitted to accept this within two weeks, through consignment of an order confirmation, or by sending the ordered goods to the purchaser within this time period.

(3) Dimensions, weights, figures, diagrams and other data relating to non-binding offers by NE remain the property of NE and are only approximately decisive, insofar as they have not been expressly indicated as binding by NE.

3. Prices, terms and conditions of payment

(1) If the agreed delivery time should exceed a period of four months from the conclusion of the Contract, or the delivery is delayed for more than fourth months from the conclusion of the Contract for reasons attributed to the purchaser alone or which come within his sphere of risk, then NE is entitled to charge the current price on the day of delivery. If the increase in price amounts to more than 5% of the named purchase price, then the purchaser is entitled to withdraw from the Contract. This right to withdraw does not apply if the purchaser fails to administrate it within a period of two weeks, beginning with the date of the notification of the new price.

(2) The prices apply "ex-warehouse" insofar as no deviating agreement with the purchaser has been made in addition to the VAT rate at the time of the invoicing. Packaging costs are not included in the price.

(3) Unless otherwise agreed in writing with the purchaser, the purchase price shall be payable by the purchaser immediately following the invoice date, without delay and following deductions. Payments made by the purchaser shall be credited first of all to their previous debts, irrespective of any deviating provisions. Where costs and interest have already arisen, we are entitled to credit a payment first to the costs, then to the interest and finally to the principal amount.

(4) If a cash deduction is agreed in writing, then no other payable claims can be made against the purchaser.

(5) The acceptance of exchanges or cheques shall only be completed on account; the cost of discounting and inclusion shall be borne by the purchaser. Following acceptance of the exchange, NE is entitled to return the exchange, in case acceptance is refused by the State Central Bank.

(6) If, following the order confirmation, NE should become aware of facts which raise reasonable doubt regarding the purchaser's ability to meet financial obligations, NE is entitled to request the full payment or a corresponding security deposit prior to delivery, and also to withdraw from the Contract if the payment deadline is not adhered to. Besides a delay in payment as outlined above, corresponding information from a bank, credit agency or a company involved in commercial relations with the purchaser, referring in particular to the careful nature of a prudent businessman, may be considered as evidence of a significant decline in wealth. If delivery has already taken place, invoiced amounts shall be considered payable immediately, regardless of agreed payment conditions, and where appropriate on return of acceptances.

(7) Should the purchaser make a delayed payment, NE is entitled to request interest at 8% above the current basic interest rate of the European Central Bank (ECB) at the relevant point in time. NE reserves the right to demonstrate evidence of greater losses.

(8) The purchaser is only entitled to compensation if the counterclaims are found to be legally binding, recognised by NE or indisputable, even if notifications of defects or counterclaims are asserted. The Purchaser is only authorised to exercise a right of retention insofar as his counterclaim is based on the same contractual relationship.

(9) At the refusal of the Purchaser to pay or where a payment deadline has not been met, NE is entitled to fully or partly withdraw from the Contract and request compensation for damages.

4. Delivery and service time; Force Majeure

(1) Delivery deadlines or periods which have not been expressly agreed as binding shall simply represent information that is without obligation.

(2) Part-deliveries are acceptable, insofar as the Purchaser is not put at an unreasonable disadvantage.

(3) NE reserves the right to claim 10% of any excess deliveries and short deliveries.

(4) If dispatch is delayed at the Purchaser's request, NE shall store the respective items at the purchaser's expense and risk.

(5) The delivery period may be extended in the case of Force Majeure, strike, blameless incapacity and adverse weather conditions during the period of delay.

5. Delay in Delivery

(1) Where NE is culpable of not adhering to an expressly agreed deadline or is delayed for other reasons, the Purchaser shall arrange to guarantee NE a suitable grace period beginning from the first day of delay. Where this grace period has elapsed without delivery, the Purchaser is entitled to withdraw from the Contract.

(2) NE is liable according to legal requirements, insofar as the delay in delivery depends on an intentionally assigned or grossly negligent breach of contract. NE shall assign responsibility to its representatives or vicarious agents. If this should not be the case, liability for damages shall be limited to foreseeable damage considered typical for the contract. According to loyalty and good faith, economic circumstances, type, scope and duration of the commercial relationship shall be carefully considered in favour of NE regarding the amount of compensation.

(3) If the delay in delivery represented by NE rests on the culpable breach of a significant contractual obligation, NE is liable according to legal provisions; whereby its liability is limited to foreseeable damage considered typical for the Contract.

(4) Further legal claims and rights of the Purchaser remain unaffected by a delay in delivery on the part of NE.

6. Transfer of risk, shipping and packaging, withdrawal

(1) Unless otherwise specified on the order confirmation, all deliveries are made "ex warehouse". Shipment and dispatch shall not be

insured; this is at the Purchaser's own risk. This applies equally to return deliveries. NE endeavours to consider the interests of the Purchaser with respect to the type of shipping. Any additional costs which this may entail shall be borne by the Purchaser, even in the case of "free delivery" of agreed freight.

(2) If dispatch is delayed at the Purchaser's request or through fault on the part of the latter, the Vendor shall store the respective items at the purchaser's expense and risk. In this case, the advertisement of readiness for dispatch is equal to that of shipping.

(3) Transport packing and other convenience packaging shall not be withdrawn.

(4) A withdrawal of individual rings to be distributed in the aftermarket is excluded.

7. Guarantee, liability

(1) The Purchaser shall inspect the received goods for completeness, damage during transit, apparent defects, quality and its subsequent characteristics. The Purchaser shall notify NE immediately and in writing of any apparent defects within an acceptable period of the transaction. NE assumes no guarantee for rectifying apparent defects for which a claim is not immediately made in writing by the Purchaser.

(2) Provided that there is a defect evident in the goods for which NE may be held responsible, and provided a claim is made against it in due time by the Purchaser, NE shall, with the exclusion of the rights of the Subsidiary of NIPPON PISTON RING CO., LTD Purchaser, withdraw from the Contract or reduce the purchase price in the interests of supplementary performance, unless NE is entitled to refusal of subsequent performance on legal grounds. The Purchaser shall guarantee to provide NE with an appropriate deadline for the rectification of each individual defect in the interests of subsequent performance.

(3) Subsequent performance can be implemented, according to the wishes of NE, either through rectification of the defect or the delivery of replacement goods. NE is entitled to refuse subsequent performance chosen by the Purchaser if it is associated with disproportionate costs. During subsequent performance, a reduction in the purchase price or withdrawal from the Contract are excluded by the Purchaser. Subsequent improvement is considered to have failed following the second unsuccessful attempt. Where subsequent performance has failed or where NE has refused it altogether, the Purchaser can, if he chooses, further decrease the purchase price (reduction) or declare his withdrawal from the Contract.

(4) In the case of subsequent performance, NE bears all necessary expenses for the purposes of rectifying defects, in particular transport and labour costs. This only applies insofar as the

expenses do not increase because the delivery item was brought to a location other than the place of performance.

(5) Warranty claims made by the Purchaser are not deemed valid if the defect can be attributed to a breach of operating, maintenance or installation instructions, or inappropriate processing or use by the Purchaser or a third party.

(6) Claims made by the Purchaser for material defects shall be time-barred for 24 months following the transfer of risk, according to legal provisions.

(7) The Purchaser may only validate damages claims for the defect based on the following conditions if subsequent performance has failed or if NE refuses subsequent performance. The right of the Purchaser to assert additional damages claims regarding the following conditions remains unaffected.

(8) NE is only liable according to legal provisions insofar as damages claims which can be attributed to fraud, deliberate intent, or gross negligence by NE are asserted by the Purchaser. If no deliberate intent by NE to breach the terms of the Contract is apparent, liability is limited to foreseeable damage considered typical for the Contract. NE is furthermore liable according to legal provisions insofar as it culpably violates an essential contractual obligation. In this case, liability is limited to foreseeable damage considered typical for the Contract. Continual liability for damages not mentioned in the above provisions shall not be accepted irrespective of the legal nature of the asserted claim.

(9) Damage claims arising from culpable injury to life, limb or health, from the acquisition of warranties or on the grounds of the mandatory provisions of the Produkthaftungsgesetz [German Product Liability Act], remain unchanged by the preceding provisions.

(10) Insofar as liability for damages caused by NE is excluded or limited, this shall also apply to the personal liability of its employees, representatives and vicarious agents.

8. Retention of title

(1) NE reserves ownership of the Goods up to receipt of all payments from commercial relations with the Purchaser.

(2) The Purchaser shall notify NE of all third party involvement immediately and in writing, in particular law enforcement procedures and other restrictions to ownership. The Purchaser shall replace all damages and costs for NE arising from a breach of this liability, using necessary intervention measures against the involvement of third parties.

(3) The Purchaser may not pledge or assign as security the items delivered hereunder. In the case of pledging, appropriation or other use by

a third party, NE shall be notified immediately. Enforcement officers and third parties shall

(4) Should the Purchaser breach the terms of the Contract, notably in the case of a delay in payment, NE shall be entitled to request a reduction in the deadline. A previous withdrawal from the Contract is not required for a demand for reduction. Any transport costs resulting from this shall be borne by the Purchaser.

(5) Should retention of title be asserted on the part of NE or a pledge implemented for the delivered items, this shall not be considered a withdrawal from the Contract.

(6) The Purchaser is entitled to redistribute the items for delivery as part of routine business activities. The Purchaser has already assigned all receivables arising from redistribution to the Purchaser and independent of whether or not the items for delivery were altered during redistribution, to NE, to the sum of the purchase price agreed between NE and the Purchaser and including VAT. The Purchaser is entitled to collect these receivables following transfer. NE undertakes not to collect the receivables provided that the Purchaser properly complies with his payment obligations and is not in arrears with payment. If this is indeed the case, NE can request the disclosure of all necessary information for collection.

(7) Processing of goods by the Purchaser shall always be undertaken for NE. If the goods are processed alongside other items not belonging to NE, NE shall acquire joint ownership of the new items in the ratio of the value of the delivered goods to the value of the other items at the time of processing.

9. Final provisions, applicable law

(1) Unless otherwise agreed, the place of business is the NE delivery location.

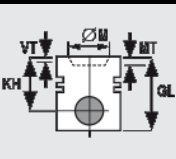
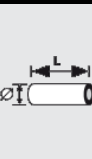
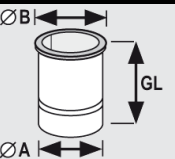
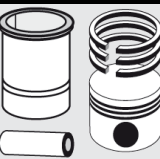
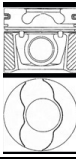
(2) If the Purchaser is a businessman, the place of jurisdiction is the court responsible for the NE place of business. However, NE is entitled to take action against the Purchaser at its general place of jurisdiction. The court of jurisdiction shall be the same if the Purchaser has no general domestic court of jurisdiction, relocates their place of residence or normal home abroad on conclusion of the Contract, or their place of residence or normal home is unknown at the time that the claim is made.

(3) The Purchaser is not entitled to assign claims from the purchase contract without the consent of NE.

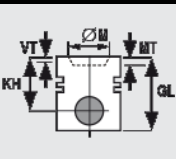
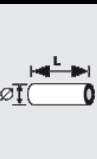
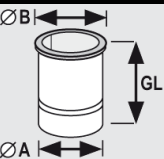
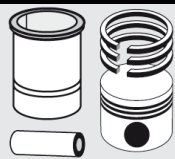
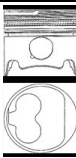
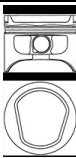
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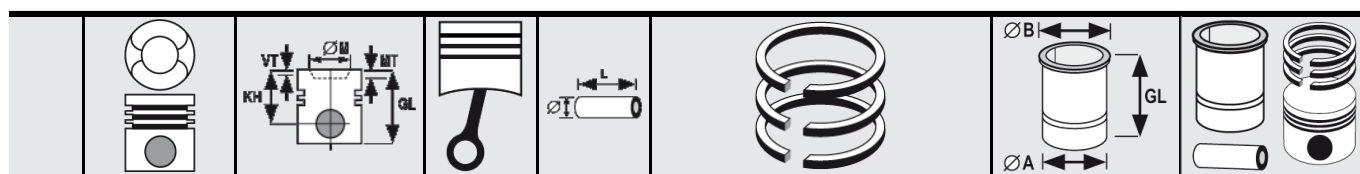
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					ccm	Pos.
182 B9.000	D	4	82,00	90,40	1910	1
839 A6.000	D	5	82,00	90,40	2387	1
841.C00	D	5	82,00	90,40	2387	1
937 A2.000	D	4	82,00	90,40	1910	1
AR37101	D	4	82,00	90,40	1910	1

							
1	82,00 mm						
	147 (937) 1.9 JTD		06/03 - 03/10		156 (932) 2.4 JTD		03/02 - 05/06
	147 (937) 1.9 JTD		11/00 - 09/04		156 (932) 2.4 JTD		10/00 - 05/06
	147 (937) 1.9 JTD (937AXD1A)		04/01 - 03/10		166 (936) 2.4 JTD		04/02 - 06/07
	156 (932) 1.9 JTD		05/01 - 05/06		166 (936) 2.4 JTD (936A2B__)		10/00 - 06/07
	156 (932) 1.9 JTD		10/00 - 05/01				
		KH 46,50 VT1 -0,50 MT -17,50 GL 72,50	RTK KBB	L 61,00 Ø 26,00		2,00 910 CR S 2,00 931 P 2,00 947 EX NIT	
TNR		7120980000 4000 6000				8920980000	
VE		1				1	

					ccm	Pos.
1Y	D	4	79,50	95,50	1896	5
AAZ	D	4	79,50	95,50	1896	6
ADP	B	4	81,00	77,40	1595	12
AEH	B	4	81,00	77,40	1595	12
AFB	D	6	78,30	86,40	2496	4
AHL	B	4	81,00	77,40	1595	12
AJM	D	4	79,50	95,50	1896	7
AKL	B	4	81,00	77,40	1595	12
AKN	D	6	78,30	86,40	2496	4
AMF	D	3	79,50	95,50	1422	8
APF	B	4	81,00	77,40	1595	12
ARM	B	4	81,00	77,40	1595	12
ASZ	D	4	79,50	95,50	1896	9
ATJ	D	4	79,50	95,50	1896	7
AUA	B	4	76,50	75,60	1390	3
AVF	D	4	79,50	95,50	1896	9
AWX	D	4	79,50	95,50	1896	9
BBY	B	4	76,50	75,60	1390	3
BMM	D	4	81,00	95,50	1968	13
BPW	D	4	81,00	95,50	1968	13
CR	D	4	76,50	86,40	1588	2
CY	D	4	76,50	86,40	1588	1
DT	B	4	81,00	77,40	1595	11
DZ	B	4	81,00	86,40	1781	10
JV	B	4	81,00	86,40	1781	10
JV/ DS	B	4	81,00	86,40	1781	10
RA	D	4	76,50	86,40	1588	1
SB	D	4	76,50	86,40	1588	1

							
1	76,50 mm						
Audi 80 (81, 85, B2) 1.6 TD				08/81 - 05/86			
Audi 80 (89,89Q, 8A, B3) 1.6 TD				09/86 - 08/91			
Audi 90 (89,89Q, 8A, B3) 1.6 TD				04/87 - 09/91			
		KH 41,70 MT -1,60 GL 71,70	RTK TPL LOX HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150010000 5000 1000				8950320000	
VE		1				1	
2	76,50 mm						
80 (81, 85 B2) 1.6 D				08/80 - 08/86			
		KH 41,70 MT -1,60 GL 71,70	RTK	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150320000 5000				8950320000	
VE		1				1	
3	76,50 mm						
A2 (8Z0) 1.4				02/00 - 08/05			
		KH 29,00 VT1 -2,20 VT2 -2,20 MT -2,00 GL 50,00	HKÜ	L 54,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150770000 5000				8950770000	
VE		4				1	

**4 78,30 mm**

A4 (8D2,B5) 2.5 TDI (quattro)

09/97 - 09/01

A6 (4B,C5) 2.5 TDI (quattro)

07/97 - 01/05

A8 (4D2, 4D8) 2.5 TDI (quattro)

01/97 - 04/00

		KH 47,83 VT1 -1,38 VT2 -1,38 MT -16,50 GL 71,83	KKK RTK HKÜ	L 65,50 Ø 26,00		1,75 910 CR S 2,00 911 IF U P 3,00 947 EX CR		
TNR		7150860000 5000 für Zyl. 1+2+3				8950860000		
VE		1				1		
		KH 47,83 VT1 -1,38 VT2 -1,38 MT -16,50 GL 71,83	KKK RTK HKÜ	L 65,50 Ø 26,00		1,75 910 CR S 2,00 911 IF U P 3,00 947 EX CR		
TNR		7150870000 5000 für Zyl. 4+5+6				8950860000		
VE		1				1		

5 79,50 mm

Audi 80 (89,89Q, 8A, B3) 1.9 D

08/89 - 08/91

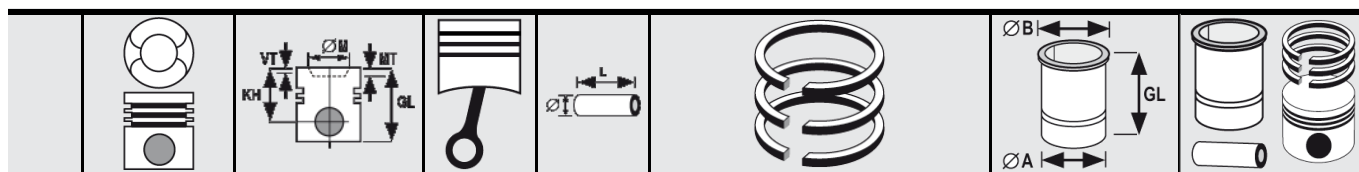
		KH 39,65 MT -1,90 GL 65,70	RTK HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150020000 5000 1000				8950480000		
VE		1				1		

6 79,50 mm

80 (8C, B4) 1.9 TD

09/91 - 12/94

		KH 45,65 MT -1,90 GL 71,70	RTK LOX HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150030000 5000 1000				8950480000		
VE		4				1		



7 79,50 mm

A4 (8D2, 8D5, B5) 1.9 TDI

03/00 - 09/01

A6 (4B, C5) 1.9 TDI

07/00 - 01/05

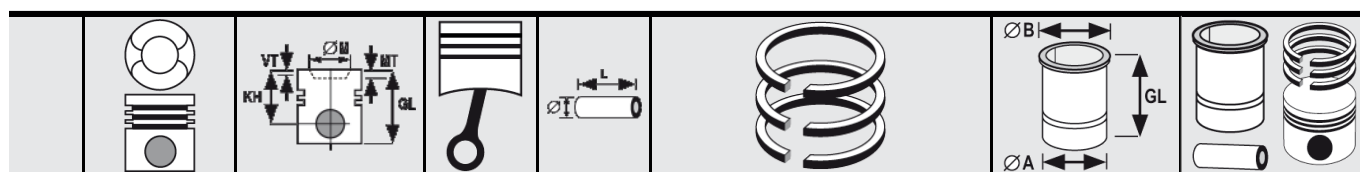
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00	 	1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150070000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00	 	1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150080000 5000 1000 für Zyl. 3+4				8950480000		
VE		1				1		

8 79,50 mm

A2 (8Z0) 1.4 TDI

02/00 - 08/05

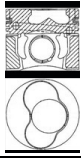
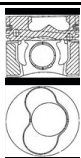
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00	 	1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150090000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00	 	1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150100000 5000 1000 für Zyl. 3				8950480000		
VE		1				1		

**9 79,50 mm**

A3 (8L1) 1.9 TDI 08/00 - 05/03

A4 (8E2, 8E5, B6) 1.9 TDI quattro 11/00 - 12/04

A6 (4B, C5) 1.9 TDI quattro 08/01 - 01/05

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150480000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150490000 5000 für Zyl. 3+4				8950480000		
VE		1				1		

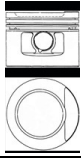
10 81,00 mm

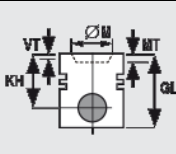
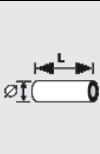
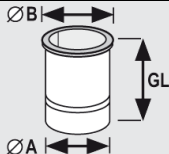
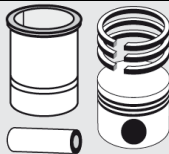
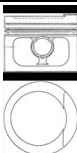
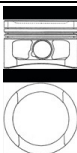
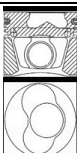
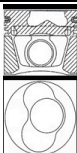
80 (80, 85, B2, 85Q) 1.8 01/83 - 08/86

80 1.8 E (quattro) 08/86 - 10/96

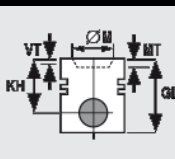
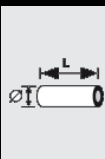
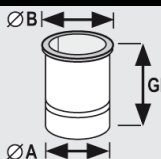
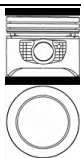
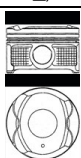
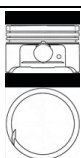
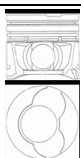
Coupe (81, 85) 1.8 GT 09/82 - 10/88

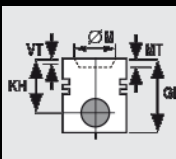
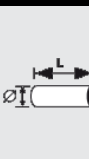
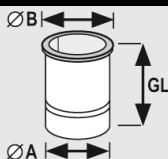
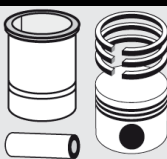
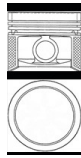
Coupe 1.8 GT (quattro) 08/83 - 10/93

		KH 32,20 MT -4,40 BÜ 1,30 GL 62,50	HKÜ	L 57,00 Ø 20,00		1,50 910 IF CR S 1,75 931 FE 3,00 777 CR S		
TNR		7150370000 5000				8950370000		
VE		4				1		

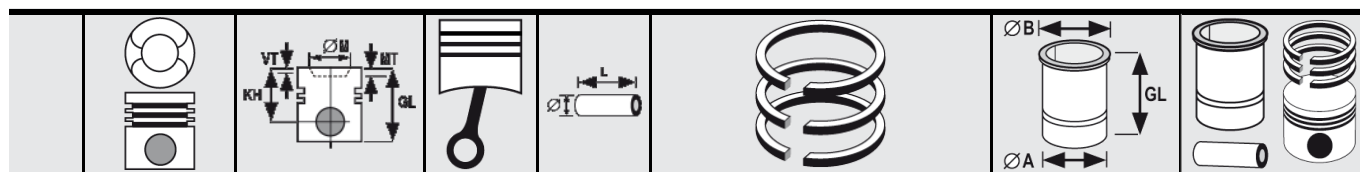
						
11 81,00 mm						
Audi 80 (81, 85, B2) 1.6			08/78 - 07/86			
	KH 35,60 MT -2,30 BÜ 2,20 GL 66,80	HKÜ	L 57,00 Ø 20,00		1,50 910 IF CR S 1,75 931 FE 3,00 777 CR S	
TNR		7150380000 5000			8950370000	
VE		4			1	
12 81,00 mm						
A3 (8L1) 1.6			09/96 - 05/03			
A4 (8D2, 8D5, B5) 1.6			11/94 - 09/01			
	KH 32,00 MT -2,30 BÜ 0,70 GL 53,70	HKÜ	L 57,00 Ø 20,00		1,20 910 IF NIT S 1,50 931 P 2,00 777 NIT S	
TNR		7150750000 5000			8950750000	
VE		4			1	
13 81,00 mm						
A3 (8PA, 8P1) 2.0 TDI (quattro)			06/05 - 06/08			
A4 (8EC, B7) 2.0 TDI (quattro)			11/04 - 06/08			
A4 (8ED, B7) 2.0 TDI (quattro)			11/04 - 06/08			
A4 Cabriolet (8H7, B6, B7) 2.0 TDI			01/06 - 03/09			
	KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150800000 5000 für Zyl. 1+2			8950800000	
VE		1			1	
	KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150810000 5000 für Zyl. 3+4			8950800000	
VE		1			1	

					ccm	Pos.
161	D	4	80,00	88,00	1769	10
161A (XUD7)	D	4	80,00	88,00	1769	10
162 (XUD9)	D	4	83,00	88,00	1905	13
171 (XU5S)	B	4	83,00	73,00	1580	12
1KR-FE	B	3	71,00	84,00	998	2
8140.43 S	D	4	94,40	100,00	2798	18
8HS (DV4TD)	D	4	73,70	82,00	1398	4
8HX (DV4TD)	D	4	73,70	82,00	1398	4
8HZ (DV4TD)	D	4	73,70	82,00	1398	4
9HX (DV6ATED4)	D	4	75,00	88,30	1560	7
9HY (DV6TED4)	D	4	75,00	88,30	1560	7
9HZ (DV6TED4)	D	4	75,00	88,30	1560	7
A9A	D	4	80,00	88,00	1769	10
A9A (XUD7)	D	4	80,00	88,00	1769	10
CDY (TU9M)	B	4	70,00	62,00	954	1
CDZ (TU9M)	B	4	70,00	62,00	954	1
D8B (XUD9TF)	D	4	83,00	88,00	1905	15
D8C (XUD9UTF)	D	4	83,00	88,00	1905	15
D9A (XUD9)	D	4	83,00	88,00	1905	13
D9B (XUD9A/L)	D	4	83,00	88,00	1905	13
D9B (XUD9A/U)	D	4	83,00	88,00	1905	13
DHV (XUD9BSD)	D	4	83,00	88,00	1905	15
DHW (XUD9SD)	D	4	83,00	88,00	1905	15
DHX (XUD9TF/BTF)	D	4	83,00	88,00	1905	15
DHY (XUD9TE/Y)	D	4	83,00	88,00	1905	15
DJY (XUD9A)	D	4	83,00	88,00	1905	13
DV4D	D	4	73,70	82,00	1398	4
HFX (TU1JP)	B	4	72,00	69,00	1124	3
K1F	B	4	75,00	77,00	1360	5
K1G	B	4	75,00	77,00	1360	5
K2A	B	4	75,00	77,00	1360	5
K2B	B	4	75,00	77,00	1360	5
KFT (TU3A)	B	4	75,00	77,00	1360	6
KFV (TU3JP)	B	4	75,00	77,00	1360	6
KFW (TU3JP)	B	4	75,00	77,00	1360	6
KFX (TU3JP)	B	4	75,00	77,00	1360	6
LFZ (XU7JP)	B	4	83,00	81,40	1761	14
M25-629	D	4	93,00	92,00	2500	17
M25-660	D	4	93,00	92,00	2500	17
NFU (TU5JP4)	B	4	78,50	82,00	1587	9
NFX (TU5JP4)	B	4	78,50	82,00	1587	9
RHS (DW10ATED)	D	4	85,00	88,00	1997	16
RHV (DW10TD)	D	4	85,00	88,00	1997	16
RHY (DW10TD)	D	4	85,00	88,00	1997	16
RHZ (DW10ATED)	D	4	85,00	88,00	1997	16
VJY (TUD5)	D	4	77,00	82,00	1527	8
WJX (DW8B)	D	4	82,20	88,00	1868	11
WJY (DW8B)	D	4	82,20	88,00	1868	11
WJZ (DW8)	D	4	82,20	88,00	1868	11

							
1 70,00 mm							
AX (ZA_) 10		02/87 - 12/98					
AX (ZA_) 10		07/86 - 12/98					
	KH 33,90 GL 58,00		L 53,00 Ø 18,00		1,50 910 IF CR S 1,50 911 FE 3,00 777 CR S	AØ 79,50 B 85,00 GL 122,00 nass	O-Ringe
TNR		7137030000			8937030000	7037030000	7237030000
VE		4			1	4	4
2 71,00 mm							
C1 (PM_, PN_) 1.0		06/05 -					
	KH 29,25 VT1 -3,00 MT -6,30 GL 47,05		L 47,00 Ø 18,00		1,00 910 NIT S 1,00 911 FE 1,50 777 CR S		
TNR		7196010000 5000			7996010000		
VE		3			1		
3 72,00 mm							
Berlingo 1.1 i (MAHDZ, MBHDZ, MBHFX)		07/96 -					
C2 1.1		09/03 -					
C3 I+ II 1.1		02/02 -					
Saxo 1.1 X,SX		05/96 - 09/03					
	KH 27,70 BÜ 0,10 GL 47,50		L 54,80 Ø 18,00		1,50 910 CR S 1,50 931 P 2,50 777 CR S	AØ 79,50 B 85,00 GL 122,20 nass	O-Ringe
TNR		7137540000			8937540000	7037540000	7237540000
VE		4			1	4	4
4 73,70 mm							
C1 1.4 HDi		06/05 -		C3 Pluriel 1.4 HDi		04/04 -	
C2 1.4 HDi		09/03 -		Nemo 1.4 HDi		02/08 -	
C3 1.4 HDi		02/02 -		Xsara 1.4 HDi		01/03 - 08/05	
C3 II 1.4 HDi 70		11/09 -					
	KH 42,94 VT1 -1,55 MT -14,70 GL 65,44	RTK TPL	L 60,00 Ø 25,00		2,50 916 CR 1,95 911 IF U P 2,50 947 EX NIT S		
TNR		7137560000 5000			8937560000		
VE		4			1		

								
5	75,00 mm							
AX (ZA-_) 14				01/88 - 12/92				
AX (ZA-_) 14				06/88 - 12/89				
BX (XB-_) 14 E				04/83 - 07/89				
		KH 40,50 MT -1,10 GL 64,50		L 62,00 Ø 19,50		1,75 910 IF CR S 2,00 931 FE 3,00 777 CR S	AØ 79,50 B 85,00 GL 122,20 nass	O-Ringe
TNR		7137380000				8937380000	7037540000	7237380000
VE		4				1	4	4
6	75,00 mm							
Berlingo 1.4 i				07/96 -		C3 Pluriel 1.4		05/03 -
C2 1.4				09/03 -		Nemo 1.4		04/09 -
C3 1.4 i				02/02 -		Saxo 1.4 VTS		05/96 - 06/03
C3 (FC_) 1.4 i Bivalent				02/02 -		Xsara 1.4 i		04/97 - 08/05
C3 II 1.4				11/09 -		ZX 1.4 i		03/91 - 10/97
		KH 27,80 MT -0,20 GL 49,00		L 55,00 Ø 18,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	AØ 79,50 B 90,00 GL 135,00 nass	O-Ringe
TNR		7137550000				8937550000	7037550000	7237550000
VE		4				1	4	4
7	75,00 mm							
Berlingo 1.6 HDi 110				08/05 -		C4 1.6 HDi		11/04 -
Berlingo 1.6 HDi 90				07/05 -		C4 1.6 HDi		11/04 -
C2 1.6 HDi				09/05 -		C4 Grand Picasso 1.6 HDi		10/06 -
C3 1.6 16V HDi				09/05 -		C5 1.6 HDi		09/04 -
C3 I + II 1.6 16V HDi				10/05 -		Xsara Picasso 1.6 HDi		05/04 -
C3 Picasso 1.6 HDi				02/09 -				
		KH 41,70 VT1 -1,16 MT -13,20 GL 65,30	KKK RTK TPL	L 61,00 Ø 26,00		3,00 916 CR 1,95 931 ES P 2,50 947 EX NIT		
TNR		7137580000 5000				8937580000		
VE		4				1		

8	77,00 mm							
AX (ZA-_) 15 D				08/94 - 12/97				
Saxo 1.5 D				09/96 - 09/03				
		KH 40,37 MT -1,65 GL 66,32		L 60,00 Ø 23,00		2,00 910 CR S 1,75 911 IF U P 3,00 947 EX CR		
TNR		7137260000 4000				8937260000		
VE		4				1		
9	78,50 mm							
Berlingo 1.6 16V				10/00 - C4 1.6 16V				11/04 -
C2 1.6				09/03 - Saxo 1.6 (VTS)				02/96 - 04/04
C3 1.6 16V				02/02 - Xsara 1.6 16V				09/00 - 08/05
C3 Pluriel 1.6				05/03 - Xsara Picasso 1.6 16V				09/05 -
		KH 32,35 BÜ 1,40 GL 51,40		L 57,00 Ø 19,50		1,20 910 CR S 1,50 931 P 2,50 777 NIT S		
TNR		7137520000 5000				8937520000		
VE		4				1		
10	80,00 mm							
Berlingo (MBA9A, MCA9A, MFA9A) 1.8 D				07/96 - VISA 17 D				04/84 - 03/91
BX (XB-_) 1.8 D				10/85 - 09/93 Xsara (N1, N2) 1.8 D				04/97 - 09/00
C15 (VD-_) 1.8 D				07/86 - 12/00 ZX (N2) 1.8 D				06/93 - 10/97
		KH 46,80 MT -2,00 GL 84,50		L 69,80 Ø 25,00		2,00 910 CR S 2,00 911 FE 3,00 947 EX CR		
TNR		7137220000 5000				8937220000		
VE		4				1		

**11 82,20 mm**

Berlingo 1.9 D (MFWJZ)

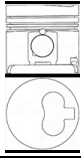
07/98 -

C15 (VD-) 1.9 D

12/00 - 12/05

Xsara (N1) 1.9 D

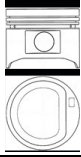
07/98 - 03/05

		KH 46,80 VT1 -1,20 GL 77,80		L 66,00 Ø 25,00		2,00 910 CR S 2,00 931 P 3,00 947 EX CR		
TNR		7111420000 6000				8911420000		
VE		4				1		

12 83,00 mm

BX 16

10/82 - 06/88

		KH 37,50 MT -2,10 GL 67,50		L 66,00 Ø 22,00		1,75 910 IF CR S 1,75 931 FE 4,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137170000				8937170000	7037170000	7237170000
VE		4				1	4	4

13 83,00 mm

Berlingo 1.9 D

07/96 -

Jumpy (U6U) 1.9 D

10/95 - 04/98

BX 19 D

09/83 - 11/94

Xantia 1.9 D

06/94 - 01/98

C25 Bus (280_, 290_) 1.9 D

07/87 - 02/94

Xsara 1.9 D

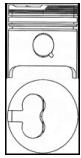
04/97 - 09/00

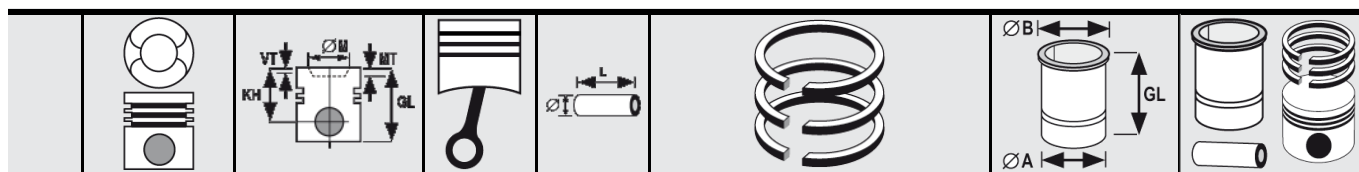
Jumper 1.9 D

07/99 - 04/02

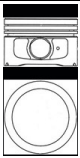
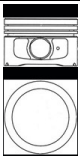
ZX 1.9 D

07/93 - 10/97

		KH 46,80 MT -2,20 GL 84,30		L 72,00 Ø 25,00		2,00 910 CR S 2,00 911 P 3,00 947 EX CR		
TNR		7137230000 5000				8937230000		
VE		4				1		

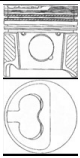


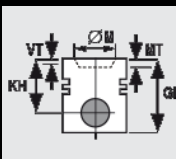
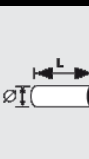
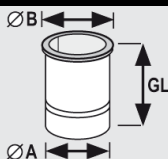
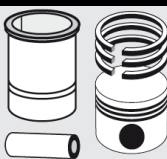
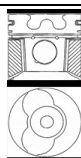
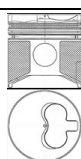
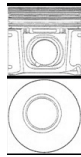
14	83,00 mm							
Evasion 1.8		05/97 - 07/02						
Xantia 1.8 i		03/93 - 01/98						
Xsara 1.8 i Aut.		04/97 - 09/00						
ZX 1.8 i		07/92 - 10/97						

		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000 Bis Orga-Nr. 07608				8937250000	7037170000	7237250000
VE		4				1	4	4
		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000				8937250000	7037170000	7237250000
VE		4				1	4	4

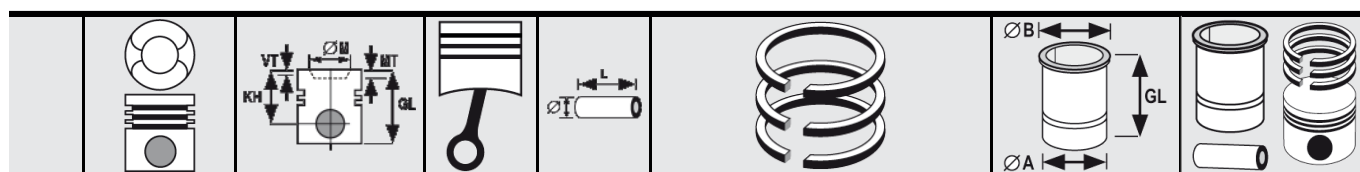
15 83,00 mm

Evasion (22, U6) 1.9 TD	11/94 - 07/02	Xantia (X1, X2) 1.9 Turbo D	06/95 - 04/03
Jumper (230P, 203L) 1.9 TD	02/94 - 04/02	Xantia (X1, X2) 1.9 Turbo D	10/94 - 04/03
Jumper Kasten (230L) 1.9 TD	03/94 - 04/02	Xsara (N1, N2) 1.9 D	01/98 - 09/00
Jumpy 1.9 TD	10/95 -	Xsara (N1, N2, N0) 1.9 TD	04/97 - 09/00
Jumpy (U6U) 1.9 TD	04/96 -	ZX (N2) 1.9 TD	07/92 - 10/97
Xantia (X1, X2) 1.9 SD	02/96 - 04/03		

		KH 46,80 MT -3,50 GL 79,30	RTK TPL LOX	L 68,00 Ø 28,00		3,00 914 CR 2,00 911 P 3,00 947 EX CR		
TNR		7137440000 5000				8937440000		
VE		4				1		

							
16 85,00 mm							
Berlingo 2.0 HDi 90		12/99 -		Jumpy 2.0 HDi 110		03/00 -	
C5 2.0 Hdi		03/01 - 08/04		Xantia 2.0 HDi 109		02/99 - 04/03	
C5 2.0 HDi		03/01 - 08/04		Xantia 2.0 HDi 90		03/99 - 04/03	
C5 2.0 HDi		03/01 - 08/04		Xsara 2.0 HDi 109		05/01 - 03/05	
Evasion 2.0 HDi		08/99 - 07/02		Xsara 2.0 HDi 90 (Picasso)		02/99 -	
Jumper 2.0 HDi		04/02 -		Xsara Picasso 2.0 HDi		12/99 -	
		KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 GL 80,75	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR	
TNR		7137490000 5000				8937490000	
VE		4				1	
17 93,00 mm							
CX I 2500 D		02/78 - 08/85					
CX II 25 D		08/85 - 12/92					
		KH 52,75 MT -7,40 GL 95,00	RTK	L 78,00 Ø 30,00		2,50 910 CR 2,00 911 P 4,00 947 EX CR	
TNR		7111000000				8937350000	
VE		4				1	
18 94,40 mm							
Jumper (230, 230P, 244) 2.8 HDi		09/00 -					
		KH 58,75 MT -21,35 GL 87,60	KKK RTK TPL	L 72,00 Ø 32,00		2,50 914 CR 2,00 931 P 2,50 947 EX NIT S	
TNR		7120040000 4000 6000				8920910000	
VE		4				1	

					ccm	Pos.
F8Q.630	D	4	80,00	93,00	1870	4
K4M.690	B	4	79,50	80,50	1598	2
K4M.697	B	4	79,50	80,50	1598	2
K7J.714	B	4	79,50	70,00	1390	3
K9K.790	D	4	76,00	80,50	1461	1
K9K.792	D	4	76,00	80,50	1461	1

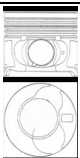
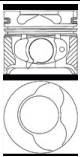
**1 76,00 mm**

Logan 1.5 dCi (FS0K, US0K, KS0K, LS0K)

04/07 -

Logan 1.5 dCi (LS0J, LS0Y)

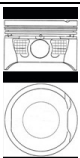
09/05 -

		KH 41,78 VT1 -0,48 VT2 -0,28 MT -14,00 GL 66,00	RTK TPL	L 60,00 Ø 26,00		2,00 910 CR S 2,00 931 P 2,50 947 EX NIT		
TNR		7138440000 5000 mit Kolbenbolzen 26 mm				8938450000		
VE		4				1		
		KH 41,78 VT1 -0,48 VT2 -0,28 MT -14,00 GL 66,00	RTK TPL	L 60,00 Ø 25,00		2,00 910 CR S 2,00 931 P 2,50 947 EX NIT		
TNR		7138450000 5000 mit Kolbenbolzen 25 mm				8938450000		
VE		4				1		

2 79,50 mm

Logan (LS_) 1.6

04/07 -

		KH 31,70 VT1 -1,90 MT -1,30 GL 55,00		L 62,00 Ø 20,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S		
TNR		7138400000 5000				8938410000		
VE		4				1		

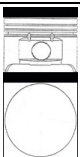
3 79,50 mm

Logan (LS_) 1.4 MPI LPG (LS0C)

02/06 -

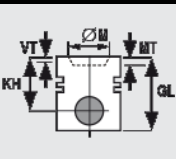
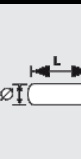
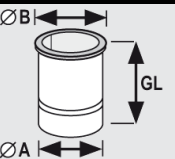
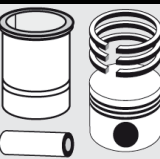
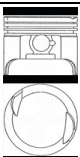
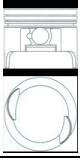
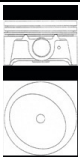
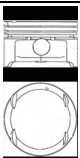
Sandero 1.4 MPI LPG

01/09 -

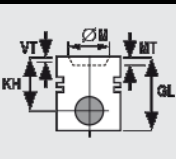
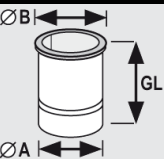
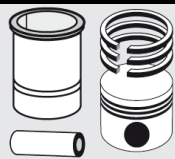
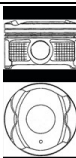
		KH 35,83 GL 58,00		L 62,00 Ø 19,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S		
TNR		7138620000 5000				8938410000		
VE		4				1		

4	80,00 mm						
Solenza 1.9 D				02/03 -			
		KH 42,20 MT -4,50 GL 67,10		L 63,00 Ø 24,00		2,00 910 CR S 2,00 911 FE 3,00 947 EX CR	
TNR		7138290000 5000				8938290000	
VE		4				1	

					ccm	Pos.
F8C	B	3	68,50	72,00	796	1
F8CV	B	3	68,50	72,00	796	2
LX6	B	4	76,50	81,50	1498	3
LXT	B	4	79,00	81,50	1598	4

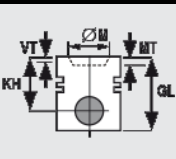
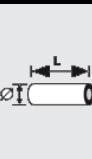
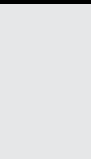
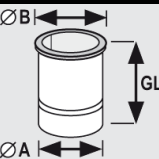
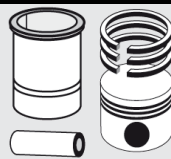
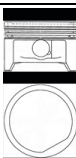
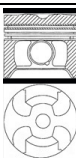
							
1	68,50 mm						
	Tico (KLY3) 0.8			02/95 - 12/00			
		KH 25,00 VT1 -2,50 VT2 -3,20 GL 55,00		L 52,80 Ø 16,00		1,20 910 IF CR S 1,50 931 ES P 2,80 777 CR S	
TNR		7114010000 2500 5000				7970240000	
VE		3				1	
2	68,50 mm						
	Matiz (M200, M250) 0.8			03/05 -			
	Matiz (M200, M250) 0.8 LPG			03/05 -			
	Spark 0.8			05/05 -			
		KH 25,20 MT -2,70 GL 55,00		L 53,00 Ø 16,00		1,20 910 CR S IF 1,20 911 FE 2,50 777 CR S	
TNR		7114120000 5000				8914020000	
VE		4				1	
3	76,50 mm						
	Aveo (T250, T255) 1.5			05/05 -			
		KH 28,00 MT -5,20 GL 46,00		L 50,00 Ø 18,00		1,50 910 CR P S 1,50 931 FE 2,00 777 CR S	
TNR		7114050000 5000				7914050000	
VE		4				1	
4	79,00 mm						
	Cruze (J300) 1.6			05/09 -			
	Lacetti (J200) 1.6			03/05 -			
	Nubira 1.6			03/05 -			
		KH 27,56 VT1 -1,50 VT2 -0,80 MT -2,10 GL 49,72		L 55,00 Ø 18,00		1,20 910 CR S 1,50 931 P 3,00 777 CR S	
TNR		7114020000 2500 5000 7500 1000				8935380000	
VE		4				1	

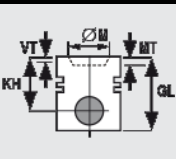
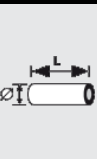
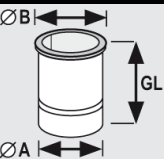
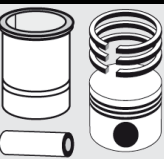
					ccm	Pos.
1KR-FE	B	3	71,00	84,00	998	1

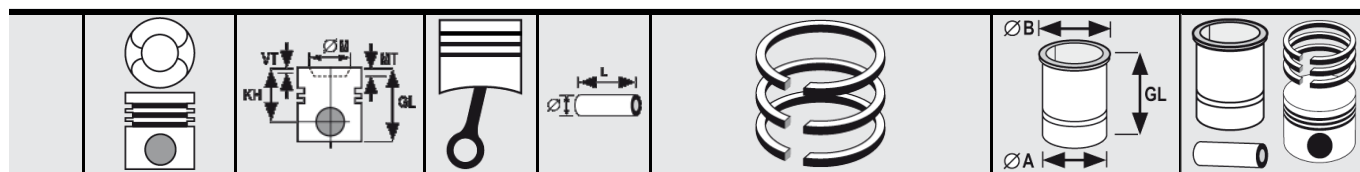
							
1	71,00 mm						
Cuore VIII 1.0				04/07 -			
Sirion (M3_) 1.0				01/05 -			
		KH 29,25 VT1 -3,00 MT -6,30 GL 47,05		L 47,00 Ø 18,00		1,00 910 NIT S 1,00 911 FE 1,50 777 CR S	
TNR		7196010000 5000				7996010000	
VE		3				1	

					ccm	Pos.
M166.960	B	4	80,00	79,50	1598	1
M166.961	B	4	80,00	79,50	1598	1
M166.990	B	4	84,00	85,60	1898	2
M166.991	B	4	84,00	85,60	1898	2
OM601.911	D	4	87,00	84,00	1997	5
OM601.912	D	4	87,00	84,00	1997	5
OM601.913	D	4	87,00	84,00	1997	5
OM601.940	D	4	89,00	92,40	2299	12
OM601.941	D	4	89,00	92,40	2299	12
OM601.942	D	4	89,00	92,40	2299	12
OM601.943	D	4	89,00	92,40	2299	12
OM601.970	D	4	89,00	92,40	2299	14
OM602.911	D	5	87,00	84,00	2497	5
OM602.912	D	5	87,00	84,00	2497	5
OM602.930	D	5	87,00	84,00	2497	5
OM602.931	D	5	87,00	84,00	2497	5
OM602.939	D	5	87,00	84,00	2497	5
OM602.941	D	5	89,00	92,40	2874	12
OM602.942	D	5	89,00	92,40	2874	12
OM602.948	D	5	89,00	92,40	2874	12
OM602.980	D	5	89,00	92,40	2874	11
OM602.982	D	5	89,00	92,40	2874	11
OM602.983	D	5	89,00	92,40	2874	11
OM602.984	D	5	89,00	92,40	2874	11
OM602.985	D	5	89,00	92,40	2874	11
OM603.912	D	6	87,00	84,00	2996	5
OM603.913	D	6	87,00	84,00	2996	5
OM603.931	D	6	87,00	84,00	2996	5
OM603.971	D	6	89,00	92,40	3449	15
OM603.972	D	6	89,00	92,40	3449	16
OM604.910	D	4	89,00	86,60	2155	13
OM604.912	D	4	89,00	86,60	2155	13
OM604.915	D	4	87,00	84,00	1997	3
OM604.917	D	4	87,00	84,00	1997	3
OM605.910	D	5	87,00	84,00	2497	3
OM605.911	D	5	87,00	84,00	2497	3
OM605.912	D	5	87,00	84,00	2497	3
OM605.960	D	5	87,00	84,00	2497	4
OM605.962	D	5	87,00	84,00	2497	4
OM606.910	D	6	87,00	84,00	2996	3
OM606.912	D	6	87,00	84,00	2996	3
OM606.961	D	6	87,00	84,00	2996	4
OM606.962	D	6	87,00	84,00	2996	4
OM606.964	D	6	87,00	84,00	2996	4
OM611.960	D	4	88,00	88,30	2151	8
OM611.961	D	4	88,00	88,30	2148	9
OM611.962	D	4	88,00	88,30	2148	10
OM611.980	D	4	88,00	88,30	2151	9
OM611.981	D	4	88,00	88,30	2148	10
OM611.987	D	4	88,00	88,30	2148	10
OM612.961	D	5	88,00	88,30	2685	10
OM612.962	D	5	88,00	88,30	2685	10
OM612.963	D	5	88,00	88,30	2685	10
OM612.965	D	5	88,00	88,30	2685	10

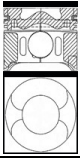
					ccm	Pos.
OM612.966	D	5	88,00	88,30	2685	10
OM612.967	D	5	88,00	88,30	2685	10
OM612.981	D	5	88,00	88,30	2685	10
OM613.960	D	6	88,00	88,30	3222	10
OM613.961	D	6	88,00	88,30	3222	10
OM616.910	D	4	90,90	92,40	2404	17
OM616.912	D	4	90,90	92,40	2404	17
OM616.913	D	4	90,90	92,40	2398	17
OM616.914	D	4	90,90	92,40	2399	17
OM616.936	D	4	90,90	92,40	2399	17
OM616.937	D	4	90,90	92,40	2399	17
OM616.939	D	4	90,90	92,40	2399	17
OM616.963	D	4	90,90	92,40	2399	17
OM617.912	D	5	90,90	92,40	2998	17
OM617.913	D	5	90,90	92,40	2998	17
OM617.931	D	5	90,90	92,40	2998	17
OM646.951	D	4	88,00	88,30	2148	6
OM646.961	D	4	88,00	88,30	2148	6
OM646.962	D	4	88,00	88,30	2148	6
OM646.963	D	4	88,00	88,30	2148	6
OM646.966	D	4	88,00	88,30	2148	6
OM646.980	D	4	88,00	88,30	2148	6
OM646.981	D	4	88,00	88,30	2148	6
OM646.982	D	4	88,00	88,30	2148	6
OM646.983	D	4	88,00	88,30	2148	6
OM646.984	D	4	88,00	88,30	2148	6
OM646.985	D	4	88,00	88,30	2148	6
OM646.986	D	4	88,00	88,30	2148	7
OM646.989	D	4	88,00	88,30	2148	6
OM646.990	D	4	88,00	88,30	2148	6
OM647.961	D	5	88,00	88,30	2685	6
OM648.960	D	6	88,00	88,30	3222	6
OM648.961	D	6	88,00	88,30	3222	6

							
1	80,00 mm						
A 140 (168.031, 168.131)				01/01 - 08/04			
A 160 (168.033, 168.133)				07/97 - 08/04			
Vaneo 1.6 (414.700)				02/02 - 07/05			
		KH 30,20 MT -2,30 GL 57,20		L 47,00 Ø 19,00		1,20 910 CR S 1,75 931 P 3,00 777 CR S	
TNR		7110010000 5000				8910840000	
VE		4				1	
2	84,00 mm						
A 190 (168.032, 168.132)				03/99 - 08/04			
Vaneo 1.9 (414.700)				02/02 - 07/05			
		KH 31,10 MT -2,60 GL 58,10		L 50,00 Ø 20,00		1,20 910 NIT S 1,75 931 P 2,50 777 NIT S	
TNR		7110020000 5000				8910790000	
VE		4				1	
3	87,00 mm						
C 200 D (202.180, 202.122)				10/96 - 03/01	E 250 D (210.210, 210.010)	06/95 - 07/99	
C 250 D (202.125)				05/93 - 05/00	E 300 D (124.191, 124.131)	06/93 - 06/96	
E 200 D (210.003)				01/96 - 03/02	E 300 D (210.020)	06/95 - 06/97	
E 250 D (124.186, 124.126, 124.129)				06/93 - 06/96			
		KH 44,90 VT1 -2,26 VT2 -2,41 MT -4,60 BÜ 1,32 GL 76,22	RTK	L 55,00 Ø 26,00		2,50 910 CR 2,00 911 IF FE 3,00 947 EX CR	
TNR		7110480000 5000				8910480000	
VE		1				1	

							
4	87,00 mm						
	C 250 Turbo-D (202.128, 202.188)		10/95 - 03/01		G 300 TD (463.308, 463.330, 463.331)		08/96 -
	E 250 Turbo-D (210.015, 210.215)		06/97 - 07/99		S 300 Turbo-D (140.135)		05/96 - 10/98
	E 300 Turbo-D (210.025, 210.225)		12/96 - 07/99				
		KH 44,87 VT1 -2,40 VT2 -1,40 MT -4,60 BÜ 1,30 GL 76,22	KKK RTK LOX	L 70,00 Ø 28,00		2,50 910 CR 2,00 911 IF FE 3,00 947 EX CR	
TNR		7110490000 5000				8910480000	
VE		1				1	
5	87,00 mm						
	190 (W201) D 2.0 (201.122)		08/83 - 08/93		G-Klasse (W463) 300 GD (463.327, 463.328)		09/89 -
	190 (W201) D 2.5 (201.126)		04/85 - 08/93		Kombi Kombi (S124) 200 T D (124.180)		09/85 - 08/91
	C-Klasse (W202) C 200 D (202.120)		03/93 - 05/00		Kombi Kombi (S124) 250 T D (124.185)		09/85 - 06/93
	E-Klasse (W124) E 200 D (124.120)		06/93 - 06/95		Kombi Kombi (S124) 300 T D (124.190)		09/86 - 06/93
	G-Klasse (W460) 250 GD (460.3)		10/87 - 12/92		Stufenheck (W124) 200 D (124.120)		12/84 - 06/93
	G-Klasse (W460) 300 GD (460.3)		03/79 - 07/93		Stufenheck (W124) 250 D (124.125)		04/85 - 06/93
	G-Klasse (W461) 250 GD (461)		02/90 -		Stufenheck (W124) 300 D (124.130)		12/84 - 08/89
	G-Klasse (W463) 250 GD (463.324, 463.325)		06/90 -		Stufenheck (W124) 300 D 4-matic (124.330)		09/86 - 06/93
		KH 44,85 VT1 -1,05 MT -9,05 GL 74,85	RTK	L 55,00 Ø 26,00		2,50 910 CR 2,00 911 IF FE 3,00 947 EX CR	
TNR		7110500000 5000				8910480000	
VE		1				1	

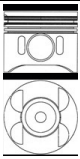

6 88,00 mm

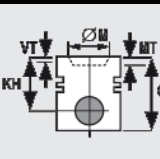
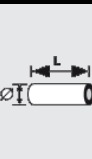
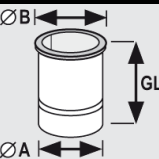
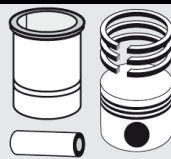
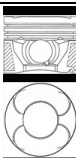
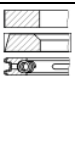
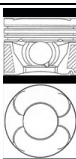
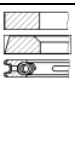
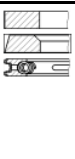
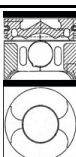
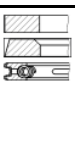
C-Klasse (W203, S203) C 200 CDI	02/01 - 08/07	Sprinter 3-t (906) 209 CDI	06/06 -
C-Klasse (W203, S203) C 220 CDI	02/04 - 08/07	Sprinter 3-t (906) 211 CDI (4x4)	06/06 -
C-Klasse Sportcoupe (CL203) C 200 CDI	03/03 - 06/11	Sprinter 4,6-t (906) 411 CDI (4x4)	06/09 -
C-Klasse Sportcoupe (CL203) C 220 CDI	02/04 - 05/08	Sprinter 4,6-t (906) 415 CDI	06/06 -
CLC-Klasse (CL203) CLC 220 CDI (203.708)	05/08 - 06/11	Sprinter 4,6-t (906) 415 CDI	06/09 -
CLK (C209) 220 CDI (209.308)	01/05 - 05/09	Sprinter 5-t (906) 509 CDI	06/06 -
E-Klasse (S211, W211) E 220 T CDI	03/02 - 07/09	Sprinter 5-t (906) 515 CDI	06/06 -
E-Klasse (W211) E 200 CDI	07/02 - 12/08	Sprinter 5-t (906) 511 CDI (4x4)	06/06 -
E-Klasse Kombi (S211, W211) E 270 T CDI	03/02 - 07/09	Viano (W639) CDI 2.0	09/03 -
E-Klasse Kombi (S211, W211) E 280 T CDI	05/04 - 07/09	Viano (W639) CDI 2.2	09/03 -
E-Klasse Kombi (S211, W211) E 320 T CDI	11/02 - 07/09	Vito (W639) 109 CDI	09/06 -
S-Klasse (W220) S 320 CDI	09/02 - 08/05	Vito / Mixto (W639) 109 CDi	08/06 -
Sprinter 3,5 t (906) 309 CDI	06/06 -	Vito / Mixto (W639) 111 CDI	09/03 -
Sprinter 3,5-t (906) 315 CDI	06/06 -	Vito / Mixto (W639) 115 CDI	09/03 -
Sprinter 3,5-t(906) 311 CDI (4x4)	06/06 -	Vito Bus (W639) 111 CDI	09/03 -
Sprinter 3-t (906) 215 CDI	06/06 -	Vito Bus (W639) 115 CDI	09/03 -

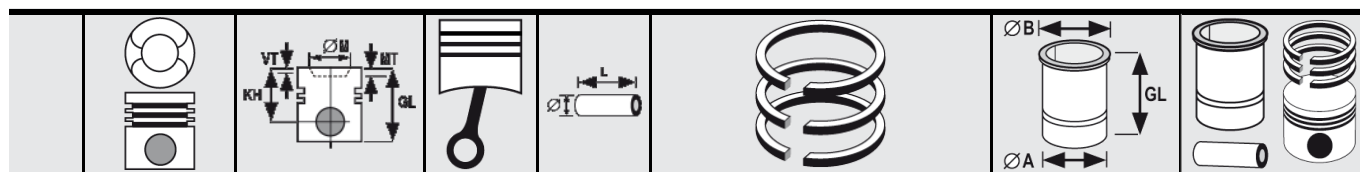
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TNR		7110030000 5000				8912750000		
VE		1				1		

7 88,00 mm

Sprinter 213 CDI	06/06 -
Sprinter 313 CDI	06/06 -
Sprinter 413 CDI	06/06 -
Sprinter 513 CDI	06/06 -

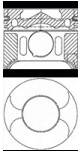
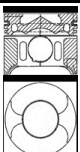
		KH 42,30 VT1 -2,03 VT2 -1,78 MT -14,10 GL 72,30	KKK RTK	L 70,00 Ø 30,00		2,50 910 IF CKS 2,00 911 IF U CR 2,00 947 EX NIT S		
TNR		7110040000 5000				8912760000		
VE		4				1		

							
8	88,00 mm						
	C-Klasse (S202) C 200 T CDI (202.194, 202.193)			09/97 - 03/01			
	C-Klasse (W202) C 200 CDI (202.134, 202.133)			09/97 - 05/00			
		KH 42,30 VT1 -2,10 VT2 -1,80 MT -13,30 GL 68,30	KKK RTK	L 70,00 Ø 28,00		2,50 910 NIT S 2,00 911 IF P 3,00 947 EX CR	
TNR		7110910000 5000 bis Motor Nr.168791				8910890000	
VE		4				1	
9	88,00 mm						
	E-Klasse (S210) E 220 T CDI (210.206)			06/98 - 03/03			03/99 - 07/03
	E-Klasse (W210) E 200 CDI (210.007)			06/98 - 03/02			03/99 - 07/03
	E-Klasse (W210) E 220 CDI (210.006)			06/98 - 03/02			03/99 - 07/03
	E-Klasse (W210, S210) E 200 T CDI, E 220 T CDI			06/98 - 03/02			03/99 - 07/03
	E-Klasse (W210, S210) E 200 T CDI, E 220 T CDI			06/98 - 03/03			03/99 - 07/03
	Vito (638) 112 CDI 2.2			03/99 - 07/03			
		KH 42,30 VT1 -2,10 VT2 -1,80 MT -13,30 GL 68,30	KKK RTK	L 70,00 Ø 28,00		2,50 910 NIT S 2,00 911 IF P 3,00 947 EX CR	
TNR		7110910000 5000 bis Motor Nr.063815				8910890000	
VE		4				1	
		KH 42,30 VT1 -2,12 VT2 -1,79 MT -13,80 GL 68,30	KKK RTK TPL	L 70,00 Ø 30,00		2,50 910 NIT S 2,00 911 IF P 3,00 947 EX CR	
TNR		7110920000 5000				8910890000	
VE		4				1	
		KH 42,30 MT -13,90 GL 72,30	KKK RTK	L 70,00 Ø 30,00		2,50 910 NIT S 2,00 911 IF P 3,00 947 EX CR	
TNR		7110890000 5000				8910890000	
VE		4				1	



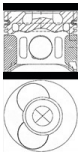
10 88,00 mm

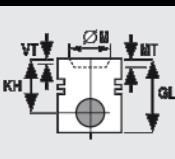
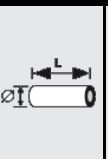
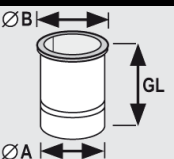
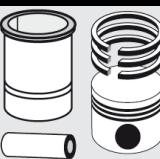
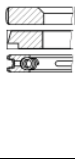
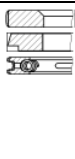
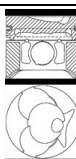
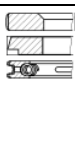
C-Klasse (W203, S203) C 200 CDI, C 200 CDI	05/00 - 08/07	Sprinter 2-t (901, 902) 216 CDI	04/00 - 05/06
C-Klasse (W203, S203) C 270 CDI	12/00 - 02/07	Sprinter 2-t Bus (901, 902) 216 CDI	04/00 - 05/06
C-Klasse Sportcoupe (CL203) C 220 CDI	03/01 - 05/08	Sprinter 3-t (903) 308 CDI	04/00 - 05/06
CLK (C209) 270 CDI	10/02 - 05/09	Sprinter 3-t (903) 311 CDI, 313 CDI	04/00 - 05/06
E-Klasse (W210, S210) E 270 CDI, E 270 T CDI	07/99 - 03/03	Sprinter 3-t (903) 316 CDI	04/00 - 05/06
E-Klasse (W210, S210) E 320 T CDI, E 320 CDI	07/99 - 03/03	Sprinter 3-t Bus (903) 316 CDI	04/00 - 05/06
G-Klasse (W461) G 270 CDI	01/03 -	Sprinter 4-t (904) 408 CDI	04/00 - 05/06
G-Klasse (W463) G 270 CDI	10/01 -	Sprinter 4-t (904) 411 CDI, 413 CDI	04/00 - 05/06
M-Klasse (W163) ML 270 CDI	12/99 - 06/05	Sprinter 4-t (904) 416 CDI	04/00 - 05/06
S-Klasse (W220) S 320 CDI	08/99 - 09/02	Sprinter 4-t Bus (904) 416 CDI	04/00 - 05/06
Sprinter 2-t (901, 902) 208 CDI	04/00 - 05/06	Sprinter 5t (905) 616 CDI	04/00 - 05/06
Sprinter 2-t (901, 902) 211 CDI, 213 CDI	04/00 - 05/06		

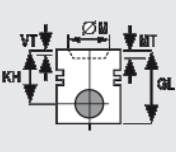
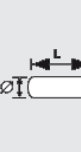
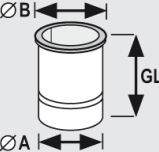
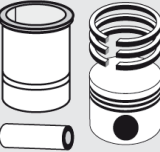
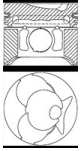
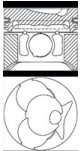
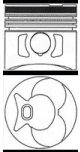
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TNR		7110920000 5000				8910890000		
VE		1				1		
		KH 42,30 MT -13,90 GL 72,30	KKK RTK	L 70,00 Ø 30,00		2,50 910 NIT S 2,00 911 IF P 3,00 947 EX CR		
TNR		7110890000 5000				8910890000		
VE		1				1		

11 89,00 mm

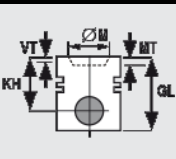
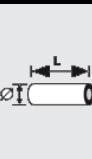
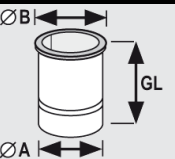
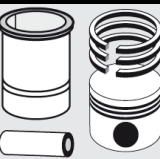
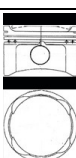
E-Klasse (210.017, 210.217) E 290 Turbo-D	03/96 - 07/99	Sprinter 410 D (904)	02/96 - 05/06
G-Klasse (461.335, 461.336) G 290 TD	07/97 -	Sprinter 412 D (904)	02/96 - 05/06
Sprinter 210 D (901, 902)	01/97 - 04/00	Vario 512 D	09/96 -
Sprinter 212 D (901, 912)	02/95 - 04/00	Vario 612 D	09/96 -
Sprinter 310 D (903)	02/95 - 08/02	Vario 812 D	09/96 -
Sprinter 312 D (903)	02/95 - 08/02		

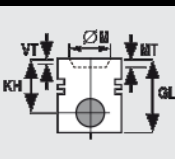
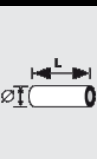
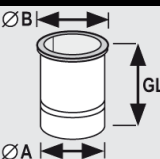
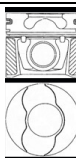
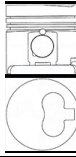
		KH 44,75 VT1 -0,30 VT2 -0,60 MT -16,73 GL 71,25	KKK RTK	L 70,00 Ø 28,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR		
TNR		7110590000 5000				8910590000		
VE		1				1		

							
12 89,00 mm							
G-Klasse (W461) 290 GD/G 290 D				04/92 - T1/TN 408 D		11/88 - 06/95	
Sprinter 2-t (901, 902) 208 D				01/95 - 04/00 T2/LN1 508 D		03/89 - 12/94	
Sprinter 3-t (903) 308 D				02/95 - 04/00 Unimog U 100L		11/92 -	
Sprinter 4-t (904) 408 D				02/96 - 05/06 Unimog U 90		11/92 -	
T1 (601) 208 D 2.3				10/88 - 02/96 Vito (638) 108 D 2.3		02/96 - 07/03	
T1 (602) 308 D 2.3				11/88 - 02/96			
		KH 44,65 VT1 -1,05 VT2 -1,25 MT -9,05 GL 74,65	RTK	L 62,00 Ø 26,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110600000 5000				8910590000	
VE		1				1	
13 89,00 mm							
C 220 D (202.121, 202.182)				08/93 - 03/01			
E 220 D (210.004)				06/95 - 03/02			
		KH 43,55 VT1 -2,36 VT2 -2,21 MT -4,55 GL 73,55	KKK RTK	L 55,00 Ø 26,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110610000 5000				8910590000	
VE		4				1	
14 89,00 mm							
Vito (638) 110 TD 2.3				02/96 - 07/03			
V-Klasse (638/2) V 230 TD				09/96 - 07/03			
		KH 44,65 VT1 -1,05 VT2 -1,25 MT -9,05 GL 74,65	KKK RTK	L 70,00 Ø 28,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110630000 5000 ab Motor Nr.468366				8910590000	
VE		1				1	

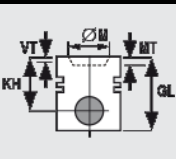
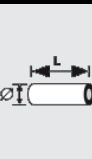
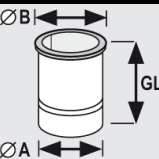
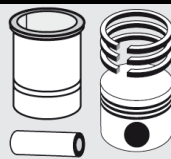
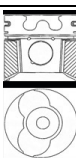
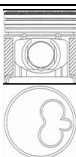
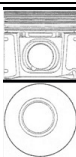
							
15	89,00 mm						
S-Klasse (W140) S 350 Turbo-D				01/93 - 10/98			
		KH 44,65 VT1 -1,05 VT2 -1,25 MT -9,05 GL 74,65	KKK RTK	L 70,00 Ø 28,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110630000 5000 ab Motor Nr.018446				8910590000	
VE		1				1	
16	89,00 mm						
G-Klasse (W463) 350 G Turbo D				09/91 -			
		KH 44,65 VT1 -1,05 VT2 -1,25 MT -9,05 GL 74,65	KKK RTK	L 70,00 Ø 28,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110630000 5000 ab Motor Nr.004075				8910590000	
VE		1				1	
17	90,90 mm						
100 (631) D				02/88 - 02/96	T1 307 D 2.4	04/77 - 01/83	
G-Klasse (W460) 240 GD				03/79 - 08/87	T1 309 D 3.0	10/82 - 01/90	
G-Klasse (W460) 300 GD				12/79 - 12/91	T1/TN 409 D	04/82 - 01/89	
Kombi (S123, W123) 300 T D				02/76 - 11/85	T1/TN 407 D	07/81 - 01/89	
Kombi (S123, W123) 240 T D				02/76 - 12/85	T2/L L 407 D	01/75 - 12/88	
T1 207 D 2.4				12/77 - 01/90	T2/LN1 507 D	04/86 - 04/89	
T1 209 D 2.9				12/82 - 01/90			
		KH 48,35 VT1 -1,15 MT -8,85 GL 81,85	RTK	L 74,00 Ø 26,00		3,00 910 IF CR S 2,00 911 IF FE 4,00 947 EX CR	
TNR		7110250000 5000				8910250000	
VE		1				1	

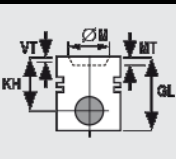
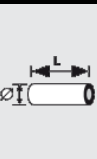
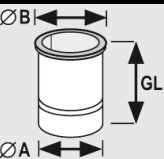
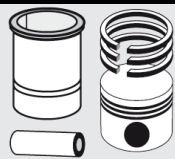
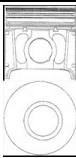
					ccm	Pos.
176 A8.000	B	4	70,80	78,90	1242	2
182 B9.000	D	4	82,00	90,40	1910	5
186 A8.000	D	4	82,00	90,40	1910	5
188 A5.000	B	4	70,80	78,90	1242	3
188 A9.000	D	4	69,60	82,00	1248	1
192 A1.000	D	4	82,00	90,40	1910	5
199 B2.000	D	4	69,60	82,00	1248	1
8140.43	D	4	94,40	100,00	2800	14
8140.43 S	D	4	94,40	100,00	2798	13
8140.61	D	4	93,00	90,00	2445	12
8140.67	D	4	93,00	92,00	2500	11
D8B	D	4	83,00	88,00	1905	9
D9B (XUD9A)	D	4	83,00	88,00	1905	7
DHX (XUD9TF/L)	D	4	83,00	88,00	1905	9
DJY (XUD9A)	D	4	83,00	88,00	1905	7
KFT	B	4	75,00	77,00	1360	4
KFV	B	4	75,00	77,00	1360	4
LFW	B	4	83,00	81,40	1761	8
RHV (DW10TD)	D	4	85,00	88,00	1997	10
RHZ	D	4	85,00	88,00	1997	10
WJZ (DW8)	D	4	82,20	88,00	1868	6

							
1	69,60 mm						
Doblo (119, 223) 1.3 JTD			05/04 - 12/06		Panda (169, 188) 1.3 JTD		06/03 -
Grande Punto (199) 1.3 Multijet			07/08 -		Punto Evo 1.3 Multijet		07/08 - 02/12
Idea 1.3 JTD			01/04 -				
		KH 40,43 VT1 -1,20 VT2 -1,00 MT -12,40 GL 63,43	RTK TPL	L 56,50 Ø 23,00		2,00 910 NIT S 1,50 911 P 2,00 947 EX NIT	
TNR		7135640000 6000				8935640000	
VE		3				1	
2	70,80 mm						
Punto (176) 75 1.2			10/93 - 09/99				
		KH 28,00 VT1 -1,40 MT -2,10 GL 48,00		L 53,00 Ø 18,00		1,20 910 IF CR S 1,20 911 FE 2,50 777 CR S	
TNR		7120840000 4000 6000				8920840000	
VE		4				1	
3	70,80 mm						
Brava (182) 1.2 16V 80			10/00 - 10/01		Palio Weekend (178DX) 1.2		09/01 -
Bravo I (182) 1.2 16V 80			10/00 - 10/01		Punto (188) 1.2 16V 80		09/99 -
Idea 1.2 16V			01/04 -		Stilo (192) 1.2 16V (192_XA1B)		02/02 - 11/06
		KH 28,00 VT1 -2,80 VT2 -2,10 MT -5,10 GL 48,00		L 53,00 Ø 18,00		1,20 910 IF CR S 1,20 911 FE 2,50 777 CR S	
TNR		7120850000 4000 6000				8920840000	
VE		4				1	

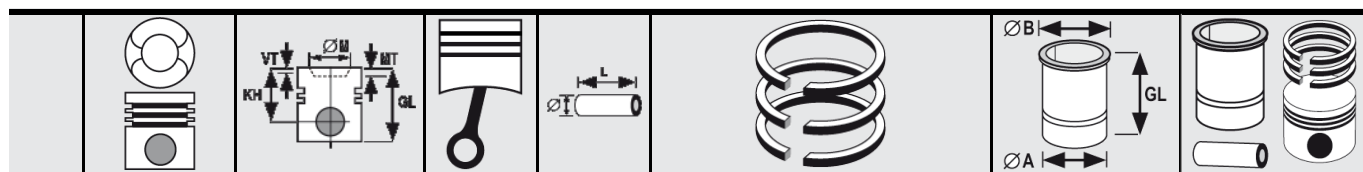
								
4 75,00 mm								
Fiorino 1.4				02/08 -				
Qubo 1.4				09/08 -				
		KH 27,80 MT -0,20 GL 49,00		L 55,00 Ø 18,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	AØ 79,50 B 90,00 GL 135,00 nass	O-Ringe
TNR		7137550000				8937550000	7037550000	7237550000
VE		4				1	4	4
5 82,00 mm								
Brava (182) 1.9 JTD				09/00 - 10/01		Marea Weekend (185) 1.9 TD 100		09/96 - 05/02
Bravo I (182) 1.9 JTD				09/00 - 10/01		Multipla (186) 1.9 JTD 115		07/02 - 06/10
Doblo (119) 1.9 JTD				10/01 -		Stilo (192) 1.9 JTD		10/01 - 08/08
Doblo Cargo (223) 1.9 JTD				10/01 -				
		KH 46,50 VT1 -0,50 MT -17,50 GL 72,50	RTK KBB	L 61,00 Ø 26,00		2,00 910 CR S 2,00 931 P 2,00 947 EX NIT		
TNR		7120980000 4000 6000				8920980000		
VE		1				1		
6 82,20 mm								
Scudo (220L) 1.9 D				04/98 - 12/06				
		KH 46,80 VT1 -1,20 GL 77,80		L 66,00 Ø 25,00		2,00 910 CR S 2,00 931 P 3,00 947 EX CR		
TNR		7111420000 6000				8911420000		
VE		4				1		

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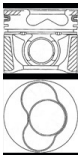
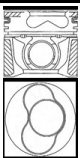
							
10	85,00 mm						
	Ducato 2.0 JTD			07/01 -			
	Scudo 2.0 JTD			12/99 - 12/06			
	Ulysee 2.0 JTD			10/99 - 08/02			
		KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 GL 80,75	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR	
TNR		7137490000 5000				8937490000	
VE		4				1	
11	93,00 mm						
	Ducato (230, 230L) 2.5 D			03/94 - 04/02			
		KH 54,00 MT -2,00 GL 89,00	RTK TPL LOX	L 68,00 Ø 32,00		3,00 914 CR 2,00 911 P 3,00 947 EX CR	
TNR		7120010000 4000 6000				8920010000	
VE		4				1	
12	93,00 mm						
	Ducato Kasten (280) 2.4 D 4x4			09/86 - 10/87			
		KH 55,00 MT -2,20 GL 90,00	RTK LOX	L 75,20 Ø 32,00		3,00 910 CR S 2,00 930 FE 4,00 947 EX CR	
TNR		7120020000 4000 6000				8920520000	
VE		4				1	
13	94,40 mm						
	Ducato (230, 244) 2.8 JTD			11/00 - 07/06			
		KH 58,75 MT -21,35 GL 87,60	KKK RTK TPL	L 72,00 Ø 32,00		2,50 914 CR 2,00 931 P 2,50 947 EX NIT S	
TNR		7120040000 4000 6000				8920910000	
VE		4				1	

							
14	94,40 mm						
Ducato 2.8 TDI (4x4)		10/97 - 04/02					
		KH 58,75 MT -19,45 GL 96,75	KKK RTK	L 78,00 Ø 32,00	 	3,00 914 CR 2,00 931 P 3,00 947 EX CR	
TNR		7120050000 4000 6000				8920900000	
VE		4				1	

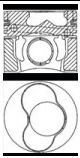
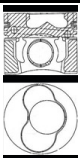
					ccm	Pos.
ASZ	D	4	79,50	95,50	1896	2
AUY	D	4	79,50	95,50	1896	1
CGBA	B	4	83,00	83,10	1798	4
CGBB	B	4	83,00	83,10	1798	4
CHBA	B	4	83,00	83,10	1798	4
CHBB	B	4	83,00	83,10	1798	4
CJBA	B	4	87,50	83,10	1999	6
CJBB	B	4	87,50	83,10	1999	6
D5BA	D	4	86,00	86,00	1998	5
D6BA	D	4	86,00	86,00	1998	5
FMBA	D	4	86,00	86,00	1998	5
HJBA	D	4	86,00	86,00	1998	5
HJBB	D	4	86,00	86,00	1998	5
HJBC	D	4	86,00	86,00	1998	5
KKDA	D	4	82,50	82,00	1753	3
N7BA	D	4	86,00	86,00	1998	5
SDBA	D	4	86,00	86,00	1998	5

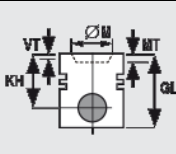
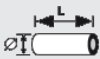
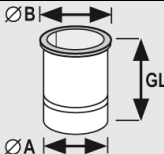
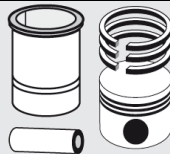
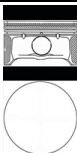


1 79,50 mm

Galaxy (WGR) 1.9 TDI		04/00 - 05/06						
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150070000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150080000 5000 1000 für Zyl. 3+4				8950480000		
VE		1				1		

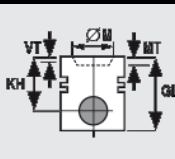
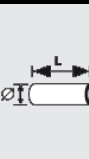
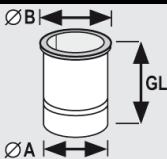
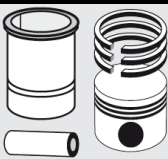
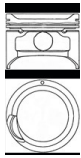
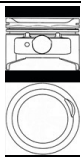
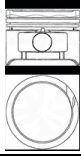
2 79,50 mm

Galaxy (WGR) 1.9 TDI		02/03 - 05/06						
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150480000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150490000 5000 für Zyl. 3+4				8950480000		
VE		1				1		

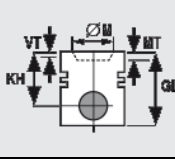
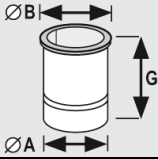
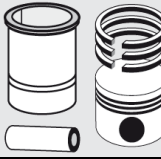
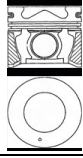
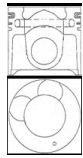
								
3	82,50 mm							
C-Max 1.8 TDCI				02/07 -				
Focus C-Max 1.8 TDCI				01/05 - 03/07				
Focus II 1.8 TDCI				11/04 -				
		KH 45,65 MT -12,47 GL 71,15	KKK RTK TPL	L 66,00 Ø 28,00		2,50 913 CR S 2,00 911 P 3,00 947 EX CR		
TNR		7121530000 5000				8921530000		
VE		4				1		
4	83,00 mm							
Mondeo III (B5Y, B4Y, BWY) 1.8 16V				11/00 - 08/07				
		KH 28,50 GL 51,00		L 60,00 Ø 21,00		1,20 910 NIT S IF 1,20 931 P 2,50 777 NIT S		
TNR		7121620000 5000				8921620000		
VE		4				1		
5	86,00 mm							
Mondeo III (B5Y, BWY, B4Y) 2.0 16V DI / TDDi / TDCi				11/00 - 08/07				
Mondeo III (B5Y, BWY, B4Y) 2.0 16V TDDi / TDCi				11/00 - 08/07				
Mondeo III (B5Y, BWY, B4Y) 2.0 TDCi				10/01 - 08/07				
		KH 47,70 MT -15,20 GL 74,10	KKK RTK TPL	L 67,00 Ø 30,00		2,00 910 IF CKS 2,00 931 P 2,00 947 EX NIT		
TNR		7121660000 5000				8921660000		
VE		4				1		

6	87,50 mm						
Mondeo III (B5Y, BWY, B4Y) 2.0 16V				11/00 - 08/07			
		KH 28,50 VT1 -0,35 GL 51,00		L 60,00 Ø 21,00		1,20 910 NIT S 1,20 931 P 2,50 777 CR S	
TNR		7121720000 5000				8921720000	
VE		4				1	

					ccm	Pos.
D4BB	D	4	91,10	100,00	2607	11
D4BH	D	4	91,10	95,00	2476	10
D4CB	D	4	91,00	96,00	2497	9
D4EA	D	4	83,00	92,00	1991	8
G4ED-G	B	4	76,50	87,00	1599	5
G4EH	B	4	71,50	83,50	1341	3
G4EK	B	4	75,50	83,50	1495	4
G4GC-G	B	4	82,00	93,50	1975	7
G4GR	B	4	77,40	85,00	1599	6
G4HC	B	4	66,00	73,00	999	1
G4HG	B	4	67,00	77,00	1086	2

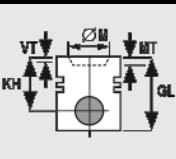
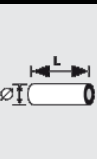
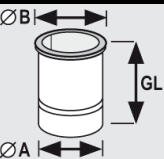
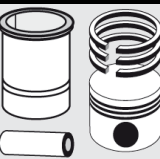
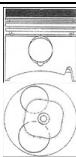
							
1	66,00 mm						
Atos Prime (MX) 1.0 i				02/98 -			
		KH 25,00 VT1 -4,10 MT -5,50 GL 50,00		L 46,00 Ø 17,00		1,20 910 CR S 1,20 911 FE 2,50 777 CR S	
TNR		7124550000 5000				7924530000	
VE		4				1	
2	67,00 mm						
Atos (MX) 1.1 i10 1.1				03/04 - 01/08 -			
		KH 24,50 MT -4,50 GL 48,50		L 46,50 Ø 17,00		1,20 910 IF NIT S 1,20 931 FE 2,00 777 NIT S	
TNR		7124540000 5000				7953660000	
VE		4				1	
3	71,50 mm						
Accent I + II 1.3 12V				10/94 - 11/05			
		KH 31,30 MT -1,10 GL 54,30		L 47,50 Ø 18,00		1,50 910 CR S 1,50 911 FE 3,00 777 CR S	
TNR		7124570000 5000				7924520000	
VE		4				1	
4	75,50 mm						
Accent I (X-3) 1.5 i 12V Lantra II (J-2) 1.5 12V S Coupe (SLC) 1.5 i				10/94 - 01/00 12/96 - 10/00 04/92 - 05/96			
		KH 31,30 VT1 -0,70 VT2 -2,20 GL 54,40		L 47,50 Ø 18,00		1,50 910 CR S 1,50 911 FE 3,00 777 CR S	
TNR		7124520000 5000				7987510000	
VE		4				1	

5	76,50 mm							
Accent II (LC) 1.6				12/02 - 11/05		Getz (TB) 1.6		09/02 - 09/05
Coupe (GK) 1.6 16V				03/02 - 08/09		Matrix (FC) 1.6		06/01 - 08/10
Elantra (XD) 1.6				06/00 - 07/06				
		KH 28,40 VT1 -3,00 VT2 -3,00 MT -0,75 GL 50,40		L 47,30 Ø 18,00		1,20 910 CR S IF 1,20 931 FE 2,50 777 CR S		
TNR		7124600000 5000 7500 1000				7924600000		
VE		4				1		
6	77,40 mm							
Elantra (XD) 1.6				06/00 - 07/06				
Lantra II (J-2) 1.6 i				11/95 - 10/00				
		KH 31,10 BÜ 1,70 GL 60,80		L 59,00 Ø 20,00		1,20 910 CR S IF 1,20 911 FE 2,50 777 CR S		
TNR		7124530000 5000				7924590000		
VE		4				1		
7	82,00 mm							
Coupe (GK) 2.0				08/01 - 09/06				
Elantra (XD) 2.0				06/00 - 07/06				
Trajet (FO) 2.0				01/04 - 10/06				
Tucson (JM) 2.0				08/04 - 10/06				
		KH 31,10 MT -3,40 BÜ 0,50 GL 57,50		L 59,00 Ø 20,00		1,20 910 CR S IF 1,20 911 FE 2,50 777 CR S		
TNR		7124580000 2500 5000 7500 1000				7924580000		
VE		4				1		

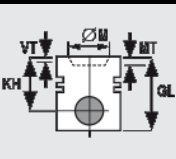
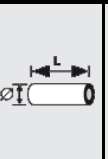
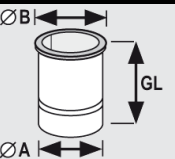
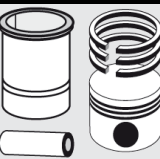
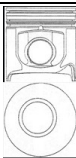
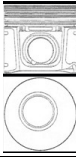
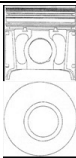
							
883,00 mm							
Elantra 2.0 CRDI		04/01 - 07/06		Sonata V 2.0 CRDI		02/06 - 03/10	
i30 2.0 CRDI		10/07 - 06/12		Trajet 2.0 CRDI		04/01 - 07/08	
Santa Fe I 2.0 CRDI		04/01 - 03/06		Tucson 2.0 CRDI		08/04 - 03/10	
Sonata IV 2.0 CRDI		10/01 - 11/04					
		KH 46,30 MT -13,90 GL 72,30	RTK KBB	L 65,50 Ø 28,00	 	2,00 916 NIT S 2,00 911 IF U CR 3,00 947 EX CR	
TNR		7124560000 5000				8926100000	
VE		4				1	
991,00 mm							
H1 2.5 CRDi		07/01 -					
		KH 54,20 VT1 -3,70 MT -15,00 GL 53,70	KKK RTK TPL	L 75,00 Ø 33,00	 	2,50 913 NIT S 2,00 911 IW U CR 3,00 947 EX NIT S	
TNR		7153500000 5000				7924810000	
VE		4				1	
1091,10 mm							
H-1/Starex 2.5 TCI		10/97 - 12/07					
		KH 48,70 VT1 -1,30 VT2 -1,30 MT -2,70 GL 88,70	KKK RTK	L 75,00 Ø 29,00	 	2,50 913 CR S 2,00 913 CR 4,00 947 EX NIT	
TNR		7124490000 5000 für Zyl. 1+3				7924540000	
VE		1				1	
		KH 48,70 VT1 -1,30 VT2 -1,30 MT -2,70 GL 88,70	KKK RTK	L 75,00 Ø 29,00	 	2,50 913 CR S 2,00 913 CR 4,00 947 EX NIT	
TNR		7124500000 5000 für Zyl. 2+4				7924540000	
VE		1				1	

11	91,10 mm								
HD LIGHT HD 45			09/06 -						
		KH 46,20 VT1 -2,20 VT2 -2,20 MT -3,40 GL 76,20	RTK	L 75,00 Ø 29,00		2,00 910 NIT S 2,00 911 CR P 3,00 947 EX NIT			
TNR		7124510000 5000				7924510000			
VE		4				1			

					ccm	Pos.
4JB1	D	4	93,00	102,00	2771	1
4JB1T	D	4	93,00	102,00	2772	2

							
1	93,00 mm						
	N-Series NHR 55 E						
		KH 51,80 MT -14,40 GL 91,80	RTK	L 76,00 Ø 31,00	 2,00 910 FE 2,00 931 FE 4,00 947 EX TEF		
TNR		7180010000				7980300000	
VE		4				1	
2	93,00 mm						
	Trooper (UBS) 2.8 TD (UBS55) 10/87 - 12/91						
		KH 51,80 MT -19,50 GL 91,80	RTK	L 76,00 Ø 34,00	 2,00 910 FE 2,00 931 FE 4,00 947 EX TEF		
TNR		7180020000				7980300000	
VE		4				1	

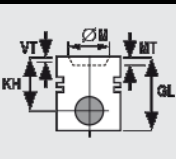
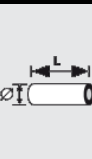
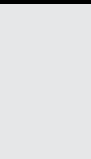
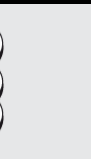
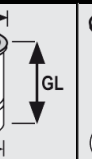
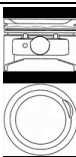
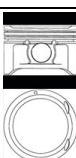
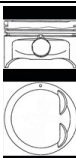
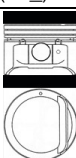
					ccm	Pos.
8140.07.2700	D	4	93,00	92,00	2499	1
8140.43	D	4	94,40	100,00	2798	3
8140.43 S	D	4	94,40	100,00	2798	2

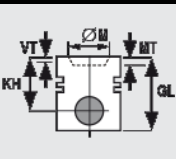
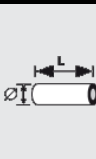
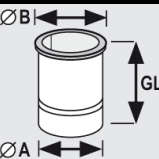
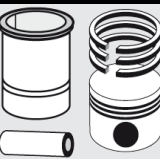
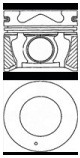
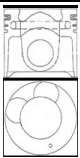
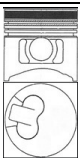
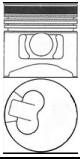
							
1	93,00 mm						
Daily II 30-8				01/89 - 08/98			
Daily II 35-8				01/89 - 08/98			
		KH 58,75 MT -16,90 GL 96,75	RTK	L 75,00 Ø 32,00		3,00 914 CR 2,00 911 P 3,00 947 EX CR	
TNR		7120030000 4000 6000				8920010000	
VE		4				1	
2	94,40 mm						
Daily III (29, 35, 40, 50)				05/99 -			
		KH 58,75 MT -21,35 GL 87,60	KKK RTK TPL	L 72,00 Ø 32,00		2,50 914 CR 2,00 931 P 2,50 947 EX NIT S	
TNR		7120040000 4000 6000				8920910000	
VE		4				1	
3	94,40 mm						
Daily II 35-12				05/96 - 05/99	Daily II A 40-12		05/96 - 05/99
Daily II 49-12				05/96 - 05/99	Daily II A 45-12		05/96 - 05/99
Daily II 59-12				05/96 - 05/99			
		KH 58,75 MT -19,45 GL 96,75	KKK RTK	L 78,00 Ø 32,00		3,00 914 CR 2,00 931 P 3,00 947 EX CR	
TNR		7120050000 4000 6000				8920900000	
VE		4				1	

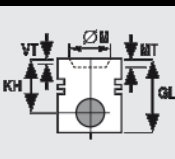
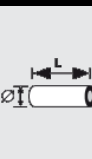
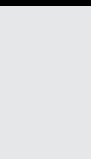
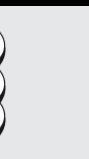
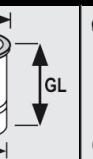
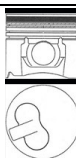
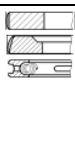
					ccm	Pos.
FMBA	D	4	86,00	86,00	1998	1

1	86,00 mm								
X-Type (CF1) 2.0 D			07/03 - 11/09						
X-Type Estate 2.0 D			02/04 - 12/09						
		KH 47,70 MT -15,20 GL 74,10	KKK RTK TPL	L 67,00 Ø 30,00		2,00 910 IF CKS 2,00 931 P 2,00 947 EX NIT			
TNR		7121660000 5000				8921660000			
VE		4				1			

					ccm	Pos.
A5D/A5E	B	4	75,50	83,40	1493	2
D4BH	D	4	91,10	95,00	2476	7
D4CB	D	4	91,00	96,00	2497	6
D4EA	D	4	83,00	92,00	1991	5
D4EA-F	D	4	83,00	92,00	1991	5
G4ED-G	B	4	76,50	87,00	1599	3
G4GC	B	4	82,00	93,50	1975	4
G4HG	B	4	67,00	77,00	1086	1
J2	D	4	95,00	95,00	2665	8

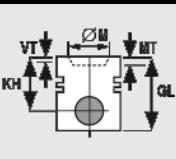
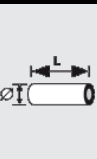
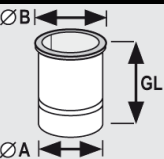
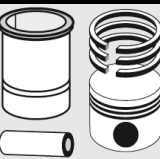
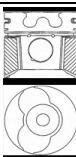
										
1	67,00 mm									
	Picanto (BA) 1.1					04/04 -				
		KH 24,50 MT -4,50 GL 48,50		L 46,50 Ø 17,00		1,20 910 IF NIT S 1,20 931 FE 2,00 777 NIT S				
TNR		7124540000 5000				7953660000				
VE		4				1				
2	75,50 mm									
	Rio (DC_) 1.5 16V					08/00 - 02/05				
		KH 28,30 VT1 -1,30 MT -2,30 GL 51,30		L 52,00 Ø 20,00		1,20 910 CR S IF 1,20 930 P 2,50 777 CR S				
TNR		7153550000 5000				7953550000				
VE		4				1				
3	76,50 mm									
	Cerato (LD) 1.6					04/04 -				
		KH 28,40 VT1 -3,00 VT2 -3,00 MT -0,75 GL 50,40		L 47,30 Ø 18,00		1,20 910 CR S IF 1,20 931 FE 2,50 777 CR S				
TNR		7124600000 5000 7500 1000				7924600000				
VE		4				1				
4	82,00 mm									
	Carens II (FJ) 2.0 CVVT					08/04 -				
	Cerato (LD) 2.0					04/04 -				
	Sportage (JE_) 2.0 i 16V					09/04 -				
		KH 31,10 MT -3,40 BU 0,50 GL 57,50		L 59,00 Ø 20,00		1,20 910 CR S IF 1,20 911 FE 2,50 777 CR S				
TNR		7124580000 2500 5000 7500 1000				7924580000				
VE		4				1				

							
5	83,00 mm						
	Carens II + III 2.0 CRDI		07/02 - 06/12		Magentis 2.0 CRDI		11/05 - 12/08
	Cee'd 2.0 CRDI		09/07 - 03/10		Pro Cee'd 2.0 CRDI		02/08 - 03/10
	Cerato 2.0 CRDI		04/04 - 03/06		Sportage 2.0 CRDI		09/04 - 03/10
		KH 46,30 MT -13,90 GL 72,30	RTK KBB	L 65,50 Ø 28,00		2,00 916 NIT S 2,00 911 IF U CR 3,00 947 EX CR	
TNR		7124560000 5000				8926100000	
VE		4				1	
6	91,00 mm						
	Sorento I (JC) 2.5 CRDi		08/02 -				
		KH 54,20 VT1 -3,70 MT -15,00 GL 53,70	KKK RTK TPL	L 75,00 Ø 33,00		2,50 913 NIT S 2,00 911 IW U CR 3,00 947 EX NIT S	
TNR		7153500000 5000				7924810000	
VE		4				1	
7	91,10 mm						
	Pregio 2.5 TCI		09/02 -				
		KH 48,70 VT1 -1,30 VT2 -1,30 MT -2,70 GL 88,70	KKK RTK	L 75,00 Ø 29,00		2,50 913 CR S 2,00 913 CR 4,00 947 EX NIT	
TNR		7124490000 5000 für Zyl. 1+3				7924540000	
VE		1				1	
		KH 48,70 VT1 -1,30 VT2 -1,30 MT -2,70 GL 88,70	KKK RTK	L 75,00 Ø 29,00		2,50 913 CR S 2,00 913 CR 4,00 947 EX NIT	
TNR		7124500000 5000 für Zyl. 2+4				7924540000	
VE		1				1	

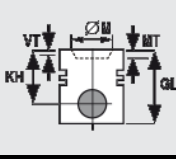
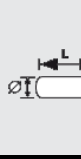
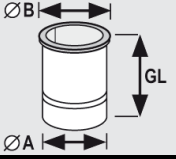
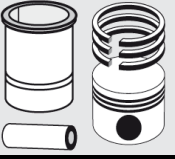
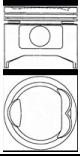
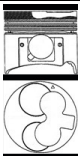
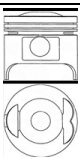
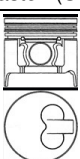
										
8	95,00 mm									
K2700 2.7 D										
10/99 -										
Pregio 2.7 D										
10/97 -										
		KH 50,00 VT1 -3,40 VT2 -1,90 GL 81,70	RTK	L 76,00 Ø 30,00		2,00 910 CR S 2,00 911 IW CR 3,00 947 EX NIT S				
TNR		7153510000 5000				7953600000				
VE		4				1				

					ccm	Pos.
188 A5.000	B	4	70,80	78,90	1242	2
188 A9.000	D	4	69,60	82,00	1248	1
839 A6.000	D	5	82,00	90,40	2387	3
841.C00	D	5	82,00	90,40	2387	3
937 A2.000	D	4	82,00	90,40	1910	3
AR37101	D	4	82,00	90,40	1910	3
RHZ (DW10ATED)	D	4	85,00	88,00	1997	4

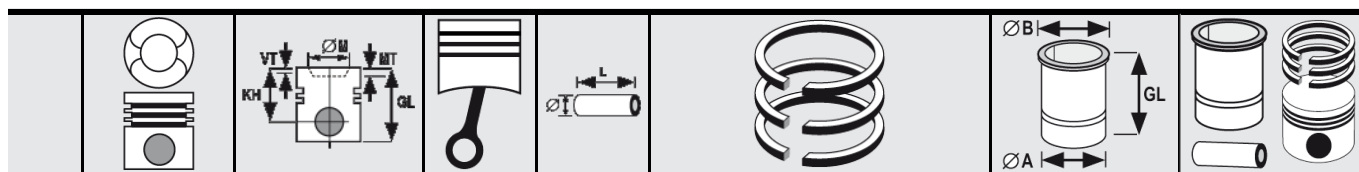
1	69,60 mm							
Musa (350) 1.3 D Multijet				10/04 -				
Ypsilon (843) 1.3 JTD				10/03 - 12/11				
		KH 40,43 VT1 -1,20 VT2 -1,00 MT -12,40 GL 63,43	RTK TPL	L 56,50 Ø 23,00		2,00 910 NIT S 1,50 911 P 2,00 947 EX NIT		
TNR		7135640000 6000				8935640000		
VE		3				1		
2	70,80 mm							
Y (840A) 1.2 16V				10/00 - 09/03				
Ypsilon (843) 1.2				10/03 - 12/11				
		KH 28,00 VT1 -2,80 VT2 -2,10 MT -5,10 GL 48,00		L 53,00 Ø 18,00		1,20 910 IF CR S 1,20 911 FE 2,50 777 CR S		
TNR		7120850000 4000 6000				8920840000		
VE		4				1		
3	82,00 mm							
Lybra (839AX, 839BX) 1.9 JTD				05/01 - 10/05		Lybra (839AX, 839BX) 2.4 JTD		09/00 - 10/05
Lybra (839AX, 839BX) 1.9 JTD				09/00 - 05/01		Thesis (841AX) 2.4 JTD		07/02 - 07/09
Lybra (839AX, 839BX) 2.4 JTD				05/02 - 10/05				
		KH 46,50 VT1 -0,50 MT -17,50 GL 72,50	RTK KBB	L 61,00 Ø 26,00		2,00 910 CR S 2,00 931 P 2,00 947 EX NIT		
TNR		7120980000 4000 6000				8920980000		
VE		1				1		

							
4	85,00 mm						
Zeta 2.0 JTD			04/00 - 09/02				
		KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 GL 80,75	RTK TPL	L 70,00 Ø 28,00	 	3,50 916 CR 2,00 911 IF P 3,00 947 EX CR	
TNR		7137490000 5000				8937490000	
VE		4				1	

					ccm	Pos.
4EE1-T	D	4	79,00	86,00	1686	2
B3	B	4	71,00	83,60	1324	1
F6	B	4	81,00	77,00	1587	3
R2	D	4	86,00	94,00	2184	4

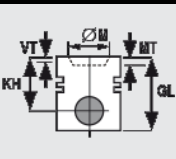
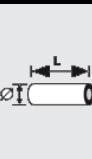
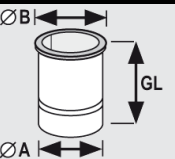
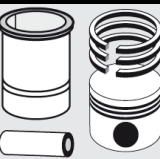
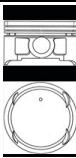
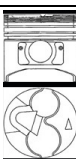
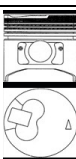
							
1	71,00 mm						
	121 I (DA) 1.3			10/87 - 11/90			
	323 III (BF) 1.4			04/87 - 10/89			
		KH 28,80 MT -5,60 GL 60,00		L 52,00 Ø 20,00		1,20 910 CR S 1,50 931 FE 3,00 777 CR S	
TNR		7185130000 5000				7985130000	
VE		4				1	
2	79,00 mm						
	323 S V (BA) 1.6 TD			05/94 - 09/98			
		KH 39,70 VT1 -0,50 VT2 -1,50 GL 69,70	RTK	L 64,00 Ø 27,00		2,00 910 CR S 1,50 931 P 3,00 947 EX CR	
TNR		7180000000 5000				8935400000	
VE		4				1	
3	81,00 mm						
	626 II (GC) 1.6			11/82 - 09/87			
		KH 34,20 BÜ 4,70 GL 76,00		L 67,00 Ø 22,00		1,50 910 CR S 1,50 931 FE 4,00 777 NIT S	
TNR		7185000000 5000				7985270000	
VE		4				1	
4	86,00 mm						
	E-Serie Kasten (SD1, SR2) E2200 D			02/97 - 05/03			
		KH 43,20 VT1 -1,20 VT2 -1,30 GL 82,20	KKK RTK	L 64,50 Ø 25,00		2,00 910 IF CR S 2,00 911 IW CR 3,00 947 EX NIT S	
TNR		7186560000 5000				7986560000	
VE		4				1	

					ccm	Pos.
9HZ (DV6TED4)	D	4	75,00	88,30	1560	1



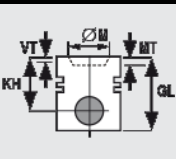
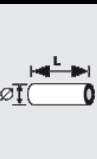
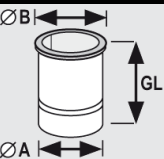
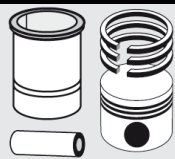
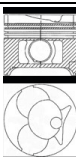
1 75,00 mm								
Clubman (R55) Cooper D				10/07 -				
Mini (R56) Cooper D				03/07 -				
Mini (R56) One D				06/09 - 07/10				
	 	KH 41,70 VT1 -1,16 MT -13,20 GL 65,30	KKK RTK TPL	L 61,00 Ø 26,00	 	3,00 916 CR 1,95 931 ES P 2,50 947 EX NIT		
TNR		7137580000 5000				8937580000		
VE		4				1		

					ccm	Pos.
4D32-2A	D	4	104,00	105,00	3567	6
4D55	D	4	91,10	90,00	2347	2
4D56	D	4	91,10	95,00	2477	2
4D56T	D	4	91,10	94,70	2477	3
4G18	B	4	76,00	87,30	1584	1
4M40-T	D	4	95,00	100,00	2835	4
4M42-0AT	D	4	95,00	105,00	2977	5

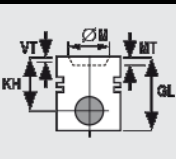
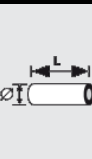
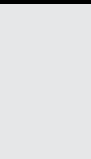
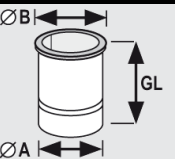
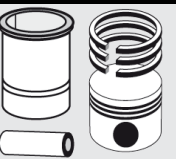
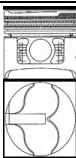
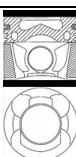
							
1	76,00 mm						
Lancer Cargo I Kombi (CS_W) 1.6				09/03 - 10/08			
Lancer Stufenheck 1.6 (CS3A)				09/03 -			
Space Star 1.6 16V (DG3A)				01/01 - 12/04			
		KH 25,90 VT1 -1,50 VT2 -0,80 MT -1,60 GL 47,00		L 56,00 Ø 18,00		1,20 910 NIT S 1,20 931 FE 2,50 777 NIT S	
TNR		7187660000 5000 7500 1000				7987660000	
VE		4				1	
2	91,10 mm						
Canter 2.5 D				09/92 - 09/96			
L 200 2.5 D				11/86 - 12/07			
L 300 2.3 D				04/83 - 10/86			
L 300 2.5 D				11/86 -			
		KH 48,70 MT -2,90 GL 88,70		L 75,00 Ø 29,00		2,50 910 CR S 2,00 911 CR P 4,00 947 EX NIT S	
TNR		7188060000 5000				7988060000	
VE		4				1	
3	91,10 mm						
L 200 2.5 TD 4WD				11/92 - 08/96			
L 300 2.5 TD 4WD				11/88 - 05/03			
L 400 2500 TD 4WD				05/95 - 06/05			
Pajero I 2.5 TD				05/86 - 12/91			
		KH 48,70 MT -2,60 GL 88,70	RTK	L 75,00 Ø 29,00		2,50 913 CR S 2,00 913 CR 4,00 947 EX CR	
TNR		7188070000 5000				7988070000	
VE		4				1	

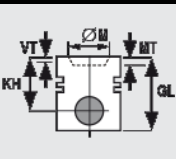
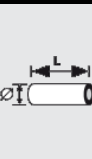
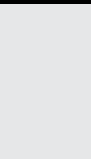
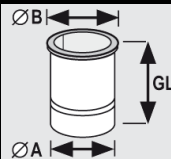
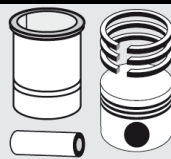
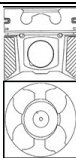
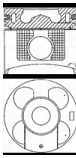
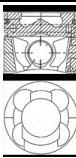
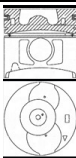
4	95,00 mm							
Pajero II (V3_W, V2_W, V4_W) 2.8 TD (V46W)								06/94 - 10/99
		KH 51,70 VT1 -3,00 GL 91,70	KKK RTK LOX	L 77,90 Ø 30,00		2,31 914 CR S 2,00 911 IW CR 3,00 947 EX NIT S		
TNR		7187820000 5000				7987820000		
VE		4				1		
5	95,00 mm							
Canter 35								09/01 -
Canter FE130C1								-
		KH 47,00 MT -18,10 GL 87,00	KKK RTK	L 78,00 Ø 30,00		2,31 914 CR S 2,00 911 IW CR 3,00 947 EX NIT S		
TNR		7188020000 5000				7987820000		
VE		4				1		
6	104,00 mm							
Canter FE112E4								-
		KH 62,30 MT -20,70 GL 112,30	RTK	L 84,00 Ø 34,00		2,81 914 CR 2,00 911 IW CR 4,00 947 EX CR S		
TNR		7188080000 5000				7988390000		
VE		4				1		

					ccm	Pos.
OM601.900	D	4	89,00	92,40	2300	1

							
1	89,00 mm						
Tremo 601			09/98 -				
		KH 44,65 VT1 -1,05 VT2 -1,25 MT -9,05 GL 74,65	RTK	L 62,00 Ø 26,00		2,50 910 IF CR 2,00 931 FE 3,00 947 EX CR	
TNR		7110600000 5000				8910590000	
VE		1				1	

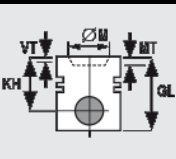
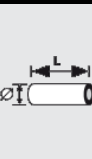
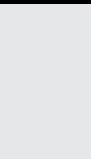
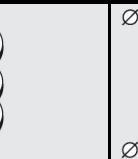
					ccm	Pos.
BD-30Ti	D	4	96,00	102,00	2953	7
CD17	D	4	80,00	83,60	1681	1
CD20	D	4	84,50	88,00	1974	2
G9U.720	D	4	89,00	99,00	2463	4
G9U.730	D	4	89,00	99,00	2463	4
TD27	D	4	96,00	92,00	2663	8
TD27Ti	D	4	96,00	92,00	2664	9
YD22ETi	D	4	86,00	94,00	2184	3
YD25DDTi	D	4	89,00	100,00	2488	6
YD25DDTi	D	4	89,00	100,00	2488	5

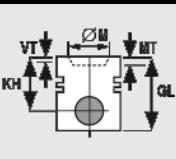
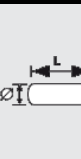
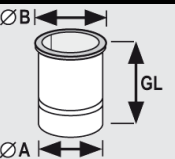
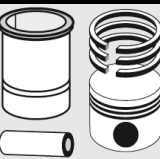
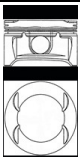
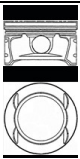
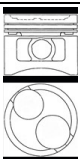
							
1	80,00 mm						
	Cherry III 1.7 D			10/82 - 12/86			
	Sunny I 1.7 D			03/82 - 10/86			
	Sunny II 1.7 D			01/86 - 03/00			
		KH 71,00 MT -1,80 GL 71,00	RTK	L 63,00 Ø 24,00		1,75 910 IF CR SN 2,00 911 IW SN 3,00 947 EX CR S	
TNR		7191030000 5000				7991010000	
VE		4				1	
2	84,50 mm						
	Almera I 2.0 D			11/95 - 07/00			
	Primera 2.0 D			07/90 - 01/96			
	Sunny III 2.0 D			10/90 - 05/95			
		KH 44,30 VT1 -1,20 VT2 -1,20 GL 75,50	RTK	L 66,50 Ø 25,00		2,00 910 IF NIT S 2,00 911 IW CR 3,00 947 EX NIT S	
TNR		7191480000 5000				7991480000	
VE		4				1	
3	86,00 mm						
	X-Trail 2.2 Di 4x4			07/01 -			
		KH 48,90 MT -15,20 GL 73,90	KKK RTK	L 69,00 Ø 28,00		2,00 913 NIT S 2,00 911 CR P 3,00 947 EX NIT S	
TNR		7191310000 5000				7991310000	
VE		4				1	

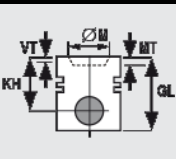
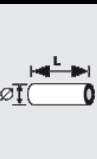
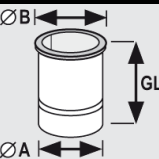
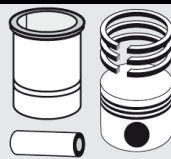
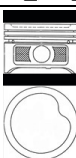
							
4	89,00 mm						
Primastar dCi 140				07/03 -			
Primastar dCi 115				09/08 -			
		KH 53,03 MT -17,85 GL 83,09	RTK TPL	L 65,00 Ø 31,00		2,50 910 IF CR 1,75 931 P 2,50 947 EX NIT S	
TNR		7138510000 5000				8938510000	
VE		4				1	
5	89,00 mm						
Hardbody (D22) 2.5 dCi				01/06 -			
King Cab (D22S) 2.5 dCi 4WD				11/01 - 12/07			
		KH 48,80 MT -18,10 GL 80,00	KKK RTK	L 61,00 Ø 28,00		2,00 913 NIT S 2,00 930 P 3,00 947 EX NIT S	
TNR		7191000000 5000				7991910000	
VE		4				1	
6	89,00 mm						
Navara (D40M) 2.5 dCi				07/05 -			
Pathfinder (R51M) 2.5 dCi 4WD				03/05 -			
		KH 48,90 MT -17,30 GL 73,80	KKK RTK	L 71,00 Ø 28,00		2,00 913 NIT S 2,00 930 P 3,00 947 EX NIT S	
TNR		7191910000 5000				7991910000	
VE		4				1	
7	96,00 mm						
Trade 3.0 TDiC				01/96 - 10/01			
		KH 53,00 MT -21,20 GL 89,60	KKK RTK	L 80,00 Ø 30,00		2,50 913 NIT S 2,00 911 IW CR 3,00 947 EX NIT S	
TNR		7191010000 5000				7991650000	
VE		4				1	

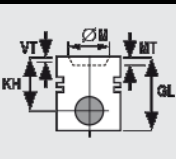
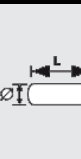
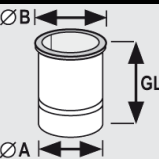
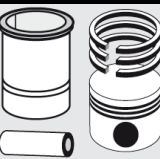
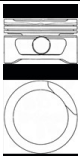
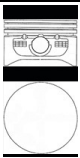
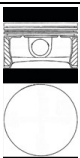
8	96,00 mm						
Pick Up (D21) 2.7 D 4WD			08/87 - 02/98				
		KH 50,30 VT1 -1,70 VT2 -0,70 GL 86,00	RTK	L 74,00 Ø 30,00		2,50 910 CR S 2,00 911 IW CR P 3,00 947 EX NIT S	
TNR		7191580000 5000				7991580000	
VE		4				1	
9	96,00 mm						
Terrano II (R20) 2.7 TDi 4WD			05/96 -				
		KH 50,50 VT1 -1,50 GL 74,00	KKK RTK LOX	L 79,80 Ø 30,00		2,50 913 NIT S 2,00 911 IW CR 3,00 947 EX NIT S	
TNR		7191650000 5000				7991650000	
VE		4				1	

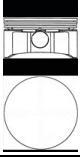
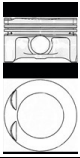
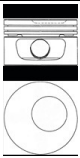
					ccm	Pos.
13S	B	4	75,00	73,40	1297	6
13SB	B	4	75,00	73,40	1297	6
14NV	B	4	77,60	73,40	1389	7
16SV	B	4	79,00	81,50	1598	9
18E	B	4	84,80	79,50	1796	14
18SEH	B	4	84,80	79,50	1796	14
18SV	B	4	84,80	79,50	1796	14
20SE	B	4	86,00	86,00	1998	15
20SEH	B	4	86,00	86,00	1998	15
C14NZ	B	4	77,60	73,40	1389	7
C16NZ	B	4	79,00	81,50	1598	8
C16SE	B	4	79,00	81,50	1598	9
C18XE	B	4	81,60	86,00	1799	13
C18XEL	B	4	81,60	86,00	1799	13
E16NZ	B	4	79,00	81,50	1598	8
E16SE	B	4	79,00	81,50	1598	9
G9U.720	D	4	89,00	99,00	2463	17
G9U.724	D	4	89,00	99,00	2463	17
G9U.730	D	4	89,00	99,00	2463	17
G9U.750	D	4	89,00	99,00	2463	17
G9U.754	D	4	89,00	99,00	2463	17
X16XEL	B	4	79,00	81,50	1598	10
X18XE	B	4	81,60	86,00	1799	13
X20SE	B	4	86,00	86,00	1998	15
X20XEV	B	4	86,00	86,00	1998	16
Y16XE	B	4	79,00	81,50	1598	10
Z10XE	B	3	72,50	78,60	973	2
Z10XEP	B	3	73,40	78,60	998	3
Z12XEP	B	4	73,40	72,60	1229	4
Z13DT	D	4	69,60	82,00	1248	1
Z14XEP	B	4	73,40	80,60	1364	5
Z16SE	B	4	79,00	81,50	1598	10
Z16XE	B	4	79,00	81,50	1598	10
Z16XEP	B	4	79,00	81,50	1598	11
Z18XE	B	4	80,50	88,20	1796	12
Z18XEL	B	4	80,50	88,20	1796	12

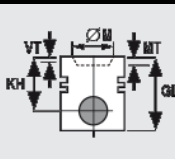
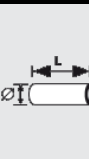
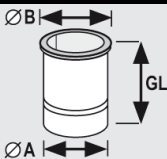
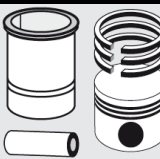
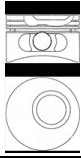
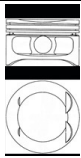
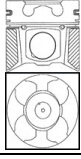
								
1	69,60 mm							
Agila 1.3 CDTI				08/03 - 12/07		Meriva A 1.3 CDTI		04/05 - 05/10
Combo 1.3 CDTI				10/04 -		Tigra TwinTop 1.3 CDTI		06/04 -
Corsa C (F08, F68, W5L) 1.3 CDTI				06/03 -				
		KH 40,43 VT1 -1,20 VT2 -1,00 MT -12,40 GL 63,43	RTK TPL	L 56,50 Ø 23,00		2,00 910 NIT S 1,50 911 P 2,00 947 EX NIT		
TNR		7135640000 6000				8935640000		
VE		3				1		
2	72,50 mm							
Agila A (H00) 1.0 12V				09/00 - 12/07				
Corsa C (F08, F68) 1.0				09/00 -				
		KH 24,00 VT1 -1,20 MT -1,20 GL 45,00		L 51,00 Ø 18,00		1,20 910 IF NIT S 1,50 931 P 2,00 777 NIT S		
TNR		7135470000 5000				8935470000		
VE		3				1		
3	73,40 mm							
Agila A 1.0				08/03 - 12/07				
Corsa C (F08, F68) 1.0				06/03 -				
Corsa D 1.0				07/06 -				
		KH 24,00 VT1 -1,30 VT2 -1,30 MT -0,80 GL 45,00		L 51,00 Ø 18,00		1,20 910 NIT S IF 1,20 931 P 2,00 777 NIT S		
TNR		7135560000 5000				8935560000		
VE		3				1		

							
4	73,40 mm						
Agila A (H00) 1.2 16V			07/04 - 12/07		Corsa D 1.2		07/06 -
Astra H 1.2			08/05 -		Corsa D 1.2 LPG		09/09 -
Corsa C (F08, F68, W5L) 1.2			07/04 -				
		KH 24,00 VT1 -1,40 VT2 -1,90 BÜ 0,53 GL 45,53		L 51,00 Ø 18,00		1,20 910 NIT S IF 1,20 931 P 2,00 777 NIT S	
TNR		7135570000 5000				8935560000	
VE		4				1	
5	73,40 mm						
Astra G (F48_, F08_, F35_, F69_) 1.4			09/07 - 12/09		Corsa D 1.4		07/06 -
Astra H 1.4			03/04 -		Meriva A 1.4		07/04 - 05/10
Combo 1.4			10/04 -		Tigra TwinTop 1.4		06/04 -
Corsa C (F08, F68, W5L) 1.4			06/03 -				
		KH 23,00 VT1 -1,48 VT2 -1,51 MT -1,25 GL 44,00		L 51,00 Ø 18,00		1,20 910 NIT S IF 1,20 931 P 2,00 777 NIT S	
TNR		7135580000 5000				8935560000	
VE		4				1	
6	75,00 mm						
Ascona B 1.3 S			08/79 - 08/81		Kadett D 1.3 S		08/79 - 08/84
Ascona C 1.3 S			09/81 - 08/88		Kadett E 1.3 S		09/84 - 12/89
Corsa A CC 1.3 S			09/82 - 10/89		Manta B 1.3 S		08/79 - 08/86
		KH 35,50 VT1 -5,40 MT -3,60 GL 62,10		L 65,00 Ø 20,00		1,50 910 IF CR S 1,50 911 FE 4,00 777 CR S	
TNR		7135280000 5000 7500 1000				8935280000	
VE		4				1	

							
7	77,60 mm						
Astra F (56_, 57_) 1.4 i				09/91 - 09/98	Kadett E (39_, 49_) 1.4 i		01/90 - 08/91
Astra F Caravan (51_, 52_) 1.4 i				09/91 - 01/98	Kadett E Cabriolet (43B_) 1.4 i		01/90 - 08/91
Astra F CC (53_, 54_, 58_, 59_) 1.4 i				03/92 - 01/98	Kadett E Cabriolet (43B_) 1.4 S		08/90 - 02/93
Astra F Van (55_) 1.4 i				10/91 - 01/98	Kadett E Caravan (35_, 36_, 45_, 46_) 1.4 S		01/90 - 08/91
Combo (71_) 1.4				07/94 - 10/01	Kadett E Carvan (35_, 36_, 45_, 46_) 1.4 i		01/90 - 08/91
Corsa A CC (93_, 94_, 98_, 99_) 4.4 S				01/90 - 03/93	Kadett E CC (33_, 34_, 43_, 44_) 1.4		01/90 - 08/91
Corsa A CC (93_, 94_, 98_, 99_) 1.4 i				01/90 - 03/93	Kadett E CC (33_, 34_, 43_, 44_) 1.4 S		01/90 - 08/91
Corsa B (73_, 78_, 79_) 1.4 i				03/93 - 09/00	Kadett E Combo (38_, 48_) 1.4 i		08/91 - 07/94
Corsa B (73_, 78_, 79_) 1.4 i				03/93 - 03/00	Kadett E Combo (38_, 48_) 1.4 S		07/89 - 08/91
Kadett E (39_, 49_) 1.4 S				01/90 - 08/91	Kadett E Kasten (37_, 47_) 1.4 i		01/90 - 08/91
		KH 32,00 MT -3,40 GL 52,50		L 55,00 Ø 18,00		1,50 910 IF CR S 1,50 911 FE 3,00 777 CR S	
TNR		7135260000 5000 1000				8935260000	
VE		4				1	
8	79,00 mm						
Ascona C (81_, 86_, 87_, 88_) 1.6 KAT				09/86 - 08/88	Kadett E Cabriolet (43B_) 1.6 i KAT		10/87 - 02/93
Ascona C (81_, 86_, 87_, 88_) 1.6 i				09/87 - 08/88	Kadett E Carvan (35_, 36_, 45_, 46_) 1.6 i		09/86 - 08/91
Ascona C CC (84_, 89_) 1.6 i				09/87 - 08/88	Kadett E Carvan (35_, 36_, 45_, 46_) 1.6 i KAT		09/86 - 08/91
Ascona C CC (84_, 89_) 1.6 KAT				09/86 - 08/88	Kadett E CC (33_, 34_, 43_, 44_) 1.6 i		09/86 - 08/91
Astra F (56_, 57_) 1.6 i				03/92 - 09/98	Kadett E CC (33_, 34_, 43_, 44_) 1.6 i KAT		09/86 - 08/91
Astra F Carvan (51_, 52_) 1.6 i				09/91 - 01/98	Kadett E Combo (38_, 48_) 1.6 i		08/91 - 07/94
Astra F CC (53_, 54_, 58_, 59_) 1.6 i				09/91 - 01/98	Kadett E Kasten (37_, 47_) 1.6 i		08/89 - 09/93
Astra F Van (55_) 1.6 i				10/91 - 04/93	Kadett E Cabriolet (43B_) 1.6 i		10/86 - 02/93
Corsa A CC (93_, 94_, 98_, 99_) 1.6 GSI				08/88 - 09/92	Vectra A (86_, 87_) 1.6 i		09/88 - 11/95
Kadett E (39_, 49_) 1.6 i				09/86 - 08/91	Vectra CC (88_, 89_) 1.6 i KAT		09/88 - 11/95
Kadett E (39_, 49_) 1.6 i KAT				09/86 - 08/91			
		KH 28,00 MT -2,70 BÜ 0,40 GL 48,40	HKÜ	L 55,00 Ø 18,00		1,20 910 CR S 1,50 931 P 3,00 777 CR S	
TNR		7135380000 5000 1000				8935380000	
VE		4				1	

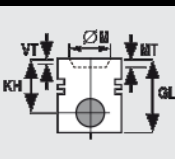
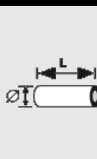
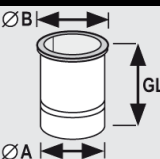
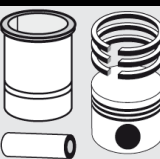
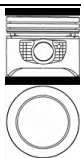
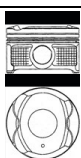
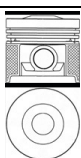
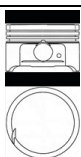
							
9	79,00 mm						
	Ascona C CC (84_, 89_) 1. 6	09/86 - 08/88	Kadett E (39_, 49_) 1.6 S	09/86 - 08/91			
	Ascona C (81_, 86_, 87_, 88_) 1. 6	09/86 - 08/88	Kadett E Cabriolet (43B_) 1.6 i	07/89 - 02/93			
	Astra (56_, 57_) 1.6 Si	05/92 - 12/94	Kadett E Carvan (35_, 36_, 45_, 46_) 1.6	09/86 - 08/91			
	Astra CC (53_, 54_, 58_, 59_) 1.6 Si	03/92 - 12/94	Kadett E CC (33_, 34_, 43_, 44_) 1.6 S	09/86 - 08/91			
	Astra F Caravan (51_, 52_) 1.6 Si	03/92 - 12/94	Kadett E Combo (38_, 48_) 1.6	09/86 - 12/91			
	Corsa A CC (93_, 94_, 98_, 99_) 1.6 GSI	05/88 - 03/92	Vectra A (86_, 87_) 1.6	09/88 - 05/93			
	Corsa A CC (93_, 94_, 98_, 99_) 1.6 GSI KAT	02/92 - 03/93	Vectra A CC (88_, 89_) 1.6 S	09/88 - 05/93			
		KH 28,00 MT -1,60 BÜ 0,40 GL 48,40	HKÜ	L 55,00 Ø 18,00		1,20 910 CR S 1,50 931 P 3,00 777 CR S	
TNR		7135390000 5000 1000				8935380000	
VE		4				1	
10	79,00 mm						
	Astra G (F07_, F08_, F35_, F69_) 1.6 16V	02/98 - 10/05	Meriva A 1.6 16V	05/03 - 05/10			
	Astra G (F08_, F35_, F48_, F69_, F70) 1.6	09/00 - 04/05	Vectra B (36_, 38_, 31_) 1.6 i 16V	10/95 - 07/02			
	Combo 1.6	10/01 - -	Vectra C 1.6 16V	06/04 - -			
	Meriva A 1.6	05/03 - 05/10	Zafira A (F75_) 1.6 16V	04/99 - 06/05			
		KH 27,20 GL 50,20		L 55,00 Ø 18,00		1,20 910 CR S 1,50 931 P 2,50 777 CR S	
TNR		7135510000 5000				8935510000	
VE		4				1	
11	79,00 mm						
	Astra G 1.6	03/00 - 12/09	Vectra C 1.6	01/06 -			
	Astra H 1.6	03/04 -	Zafira B (A05) 1.6	07/05 -			
	Meriva A 1.6	01/06 - 05/10					
		KH 26,70 GL 48,70		L 52,00 Ø 18,00		1,20 910 CR S 1,20 931 P 2,00 777 NIT S	
TNR		7135590000 5000				8935590000	
VE		4				1	

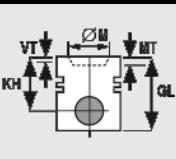
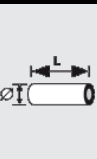
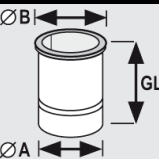
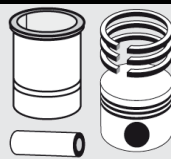
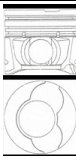
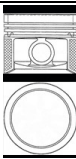
								
12 80,50 mm								
Astra CLASSIC Caravan 1.8			02/03 - 07/04			Tigra TwinTop 1.8		
Astra G 1.8 16V			09/00 - 10/05			Vectra B 1.8 i 16V		
Astra H 1.8 (GTC)			03/04 -			Vectra C 1.8 16V		
Corsa C 1.8			09/00 -			Vectra C 1.8 16V (GTS)		
Meriva 1.8			05/03 - 05/10			Zafira A 1.8 16V		
Signum 1.8			05/03 -					
		KH 24,10 GL 44,70		L 55,00 Ø 18,00		1,20 910 NIT S 1,20 931 P 2,00 777 NIT S		
TNR		7135490000 5000				8935490000		
VE		4				1		
13 81,60 mm								
Astra F 1.8 i 16V			06/93 - 01/98					
Astra F 1.8 i 16V			07/94 - 03/01					
Vectra B 1.8 i 16V			10/95 - 09/00					
		KH 30,40 VT1 -2,00 MT -1,80 GL 50,40	HKÜ	L 56,00 Ø 21,00		1,50 910 IF CR S 1,50 931 FE 3,00 777 CR S		
TNR		7135410000 5000 1000				8935410000		
VE		4				1		
14 84,80 mm								
Ascona C 1.8 i			09/82 - 08/86			Omega A 1.8		
Kadett D 1.8 GT/E			02/83 - 08/84			Omega A 1.8 S		
Kadett E 1.8 i			09/84 - 08/90			Omega B 1.8 N		
Kadett E 1.8 i			09/90 - 08/91			Vectra A 1.8 i		
		KH 33,70 MT -4,00 GL 53,70		L 61,50 Ø 21,00		1,50 910 IF CR S 1,50 931 FE 3,00 777 CR S		
TNR		7135340000 5000 1000				8935340000		
VE		4				1		

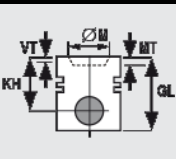
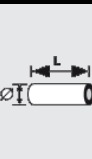
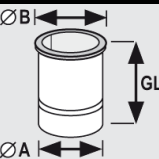
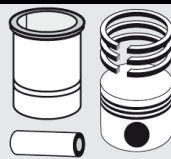
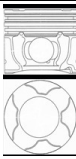
							
15	86,00 mm						
Ascona C 2.0 i GT				03/87 - 08/88	Omega A 2.0	09/86 - 03/94	
Kadett E 2.0 i				03/87 - 08/91	Omega B 2.0	03/94 - 09/99	
Kadett E CC 2.0 GSI				09/86 - 08/91	Vectra A 2.0 i	09/88 - 09/92	
		KH 30,40 MT -5,00 GL 55,40		L 61,50 Ø 21,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	
TNR		7135350000 5000 1000				8935350000	
VE		4				1	
16	86,00 mm						
Astra F 2.0 i 16V				02/95 - 08/00	Omega B 2.0 16V	03/94 - 09/99	
Astra G 2.0 16 V				02/98 - 01/05	Vectra A 2.0 i 16V	06/94 - 11/95	
Calibra A 2.0 i 16V				02/94 - 07/97	Vectra B 2.0 i 16V	10/95 - 09/00	
		KH 30,40 MT -3,16 GL 55,40		L 61,50 Ø 21,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	
TNR		7135360000 5000 1000				8935350000	
VE		4				1	
17	89,00 mm						
Movano 2.5 DTI				10/01 -			
Vivaro Combi (J7) 2.5 DTI				05/03 -			
		KH 53,03 MT -17,85 GL 83,09	RTK TPL	L 65,00 Ø 31,00		2,50 910 IF CR 1,75 931 P 2,50 947 EX NIT S	
TNR		7138510000 5000				8938510000	
VE		4				1	

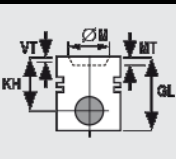
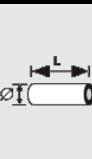
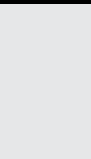
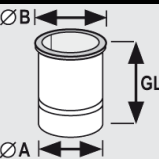
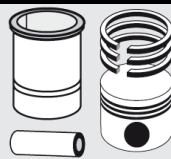
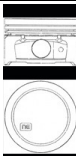
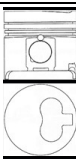
					ccm	Pos.
106 (XN1)	B	4	88,00	81,00	1971	22
107 (XN2)	B	4	88,00	81,00	1971	22
161A (XUD7)	D	4	80,00	88,00	1769	12
162 (XUD9)	D	4	83,00	88,00	1905	15
171 (XU5S)	B	4	83,00	73,00	1580	14
1KR-FE	B	3	71,00	84,00	998	2
8140.43 S	D	4	94,40	100,00	2798	26
851B (ZDJL)	B	4	88,00	89,00	2165	23
8HR (DV4TD)	D	4	73,70	82,00	1398	5
8HS (DV4TD)	D	4	73,70	82,00	1398	5
8HT (DV4TD)	D	4	73,70	82,00	1398	5
8HX (DV4TD)	D	4	73,70	82,00	1398	5
8HZ (DV4TD)	D	4	73,70	82,00	1398	5
9HV (DV6ATED4)	D	4	75,00	88,30	1560	8
9HX (DV6ATED4)	D	4	75,00	88,30	1560	8
9HY (DV6TED4)	D	4	75,00	88,30	1560	8
9HZ (DV6TED4)	D	4	75,00	88,30	1560	8
A9A (XUD7)	D	4	80,00	88,00	1769	12
CDY (TU9M)	B	4	70,00	62,00	954	1
CDZ (TU9M)	B	4	70,00	62,00	954	1
D8B (XUD9TE)	D	4	83,00	88,00	1905	18
D8C (XUD9UTF)	D	4	83,00	88,00	1905	18
D9A (XUD9)	D	4	83,00	88,00	1905	15
D9B (XUD9A)	D	4	83,00	88,00	1905	15
D9B (XUD9AU)	D	4	83,00	88,00	1905	15
DHV (XUD9BSD)	D	4	83,00	88,00	1905	18
DHW (XUD9SD)	D	4	83,00	88,00	1905	18
DHY (XUD9TE)	D	4	83,00	88,00	1905	18
DJY (XUD9A)	D	4	83,00	88,00	1905	15
HDY (TU1M)	B	4	72,00	69,00	1124	3
HDZ (TU1M)	B	4	72,00	69,00	1124	3
HFX	B	4	72,00	69,00	1124	4
HFX (TU1JP)	B	4	72,00	69,00	1124	4
HFZ (TU1JP)	B	4	72,00	69,00	1124	4
K1D (TU3A)	B	4	75,00	77,00	1360	6
K2B (TU3S)	B	4	75,00	77,00	1360	6
KFT (TU3A)	B	4	75,00	77,00	1360	7
KFV (TU3A)	B	4	75,00	77,00	1360	7
KFV (TU3JP)	B	4	75,00	77,00	1360	7
KFW (TU3A)	B	4	75,00	77,00	1360	7
KFW (TU3JP)	B	4	75,00	77,00	1360	7
KFX (TU3JP)	B	4	75,00	77,00	1360	7
LFW (XU7JP)	B	4	83,00	81,40	1761	16
LFZ (XU7JP)	B	4	83,00	81,40	1762	17
NFU (TU5JP4)	B	4	78,50	82,00	1587	11
NFX (TU5J4)	B	4	78,50	82,00	1587	11
RHS (DW10ATED)	D	4	85,00	88,00	1997	21
RHV (DW10TD)	D	4	85,00	88,00	1997	21
RHY (DW10TD)	D	4	85,00	88,00	1997	21
RHZ (DW10ATED)	D	4	85,00	88,00	1997	21
VJY (TUD5)	D	4	77,00	82,00	1527	9
WJY (DW8B)	D	4	82,20	88,00	1868	13
WJZ (DW8)	D	4	82,20	88,00	1868	13
XC5P	B	4	84,00	73,00	1618	19

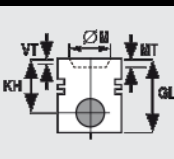
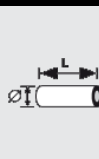
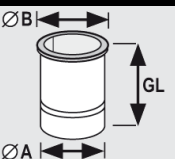
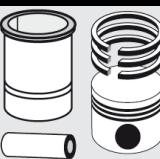
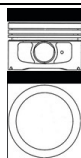
					ccm	Pos.
XC7P	B	4	84,00	73,00	1618	19
XD2S	D	4	94,00	83,00	2304	25
XD3P	D	4	94,00	90,00	2497	24
XL5	B	4	78,00	67,50	1290	10
XM	B	4	84,00	81,00	1796	20

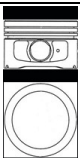
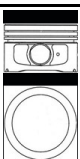
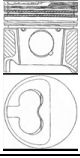
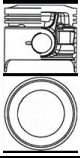
							
1 70,00 mm							
106 I + II 1.0 i Saxo (S0, S1) 1.0 X			09/91 - 05/96 - 06/03				
	KH 33,90 GL 58,00		L 53,00 Ø 18,00		1,50 910 IF CR S 1,50 911 FE 3,00 777 CR S	AØ 79,50 B 85,00 GL 122,00 nass	O-Ringe
TNR		7137030000			8937030000	7037030000	7237030000
VE		4			1	4	4
2 71,00 mm							
107 1.0			06/05 -				
	KH 29,25 VT1 -3,00 MT -6,30 GL 47,05		L 47,00 Ø 18,00		1,00 910 NIT S 1,00 911 FE 1,50 777 CR S		
TNR		7196010000 5000			7996010000		
VE		3			1		
3 72,00 mm							
106 I 1.1 106 II 1.1 i 106 II 1.1 i 205 I 1.1 CJ			09/91 - 04/96 205 II 1.1 05/96 - 306 1.1 01/97 - 309 II 1.1 10/89 - 12/94				
			07/89 - 09/98 05/93 - 05/01 08/90 - 12/93				
	KH 40,00 BÜ 2,97 GL 67,00		L 62,00 Ø 19,50		1,50 910 IF CR S 2,00 930 FE 3,00 777 CR S	AØ 79,50 B 85,00 GL 122,20 nass	O-Ringe
TNR		7137060000			8937060000	7037540000	7237060000
VE		4			1	4	4
4 72,00 mm							
106 II 1.1 i 206 1.1 Partner 1.1			05/96 - 09/98 - 06/96 -				
	KH 27,70 BÜ 0,10 GL 47,50		L 54,80 Ø 18,00		1,50 910 CR S 1,50 931 P 2,50 777 CR S	AØ 79,50 B 85,00 GL 122,20 nass	O-Ringe
TNR		7137540000			8937540000	7037540000	7237540000
VE		4			1	4	4

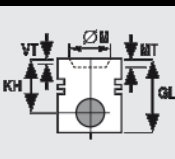
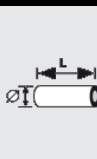
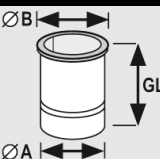
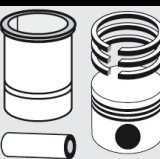
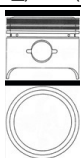
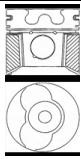
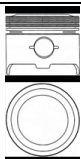
							
5	73,70 mm						
	1007 1.4 HDi		04/05 -		207 1.4 HDi		02/06 -
	107 1.4 HDi		06/05 -		307 1.4 HDi		10/01 -
	2008 1.4 HDi		06/13 -		Bipper 1.4 Hdi (Tepee)		02/08 -
	206 1.4 HDi eco 70		09/01 -				
		KH 42,94 VT1 -1,55 MT -14,70 GL 65,44	RTK TPL	L 60,00 Ø 25,00		2,50 916 CR 1,95 911 IF U P 2,50 947 EX NIT S	
TNR		7137560000 5000				8937560000	
VE		4				1	
6	75,00 mm						
	205 I Cabriolet (741B, 20D) 1.4 CJ		03/89 - 12/94		309 I (10C, 10A) 1.4		03/89 - 07/89
	205 II (20A/C) 1.4		06/87 - 12/89		309 II (3C, 3A) 1.4		07/90 - 12/93
	205 II (20A/C) 1.4		10/87 - 10/90				
		KH 40,50 MT -1,10 GL 64,50		L 62,00 Ø 19,50		1,75 910 IF CR S 2,00 931 FE 3,00 777 CR S	AØ 79,50 B 85,00 GL 122,20 nass O-Ringe
TNR		7137380000				8937380000	7037540000 7237380000
VE		4				1	4 4
7	75,00 mm						
	1007 1.4		04/05 -		207 1.4		02/06 -
	106 II 1.4 i		05/96 -		306 1.4 SL		05/93 - 04/02
	205 II 1.4		07/88 - 09/98		307 (3A/C) 1.4		08/00 -
	206 1.4		07/02 -		Bipper 1.4 (Tepee)		02/08 -
	206 Schrägheck 1.4 i		09/98 -		Partner Combispace 1.4		06/96 -
	206+ (T3E) 1.4 i		01/09 -				
		KH 27,80 MT -0,20 GL 49,00		L 55,00 Ø 18,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	AØ 79,50 B 90,00 GL 135,00 nass O-Ringe
TNR		7137550000				8937550000	7037550000 7237550000
VE		4				1	4 4

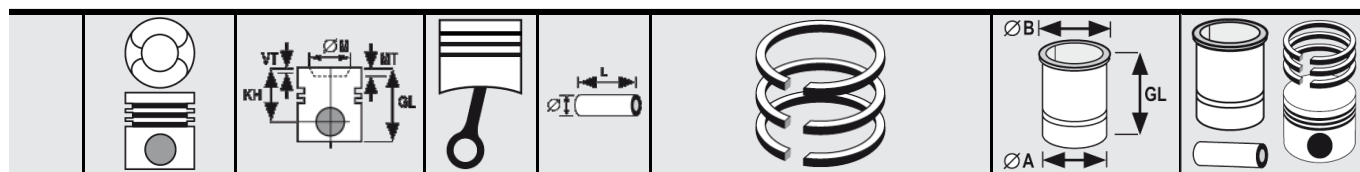
							
8	75,00 mm						
1007 1.6 HDi				06/07 -	308 1.6 HDi		09/07 -
206 1.6 HDi 110				05/04 -	407 1.6 HDi 110		05/04 -
206 Schrägheck 1.6 HDi 110				05/04 -	5008 1.6 HDi		09/09 -
207 1.6 HDi				02/06 -	Partner 1.6 Hdi (Tepee)		04/08 -
3008 1.6 HDi				06/09 -	Partner 1.6 HDi		02/06 -
307 1.6 HDi				04/05 -	Partner Tepee 1.6 HDi		04/08 -
307 1.6 HDi 110				02/04 -			
		KH 41,70 VT1 -1,16 MT -13,20 GL 65,30	KKK RTK TPL	L 61,00 Ø 26,00		3,00 916 CR 1,95 931 ES P 2,50 947 EX NIT	
TNR		7137580000 5000				8937580000	
VE		4				1	
9	77,00 mm						
106 I (1A, 1C) 1.5 D				06/94 - 04/96			
106 II (1) 1.5 D				05/96 -			
		KH 40,37 MT -1,65 GL 66,32		L 60,00 Ø 23,00		2,00 910 CR S 1,75 911 IF U P 3,00 947 EX CR	
TNR		7137260000 4000				8937260000	
VE		4				1	
10	78,00 mm						
304 1.3				09/70 - 10/80			
305 I 1.3				11/77 - 09/82			
305 II 1.3				10/82 - 08/86			
		KH 36,10 GL 72,70		L 68,00 Ø 20,50		1,75 910 IF CR S 2,00 911 FE 4,00 947 EX FE	AØ 83,00 B 97,40 GL 133,00 nass
TNR		7137210000				8937210000	7037210000
VE		4				1	4
							7237210000

							
11	78,50 mm						
	1007 1.6 16V		04/05 -	307 1.6 16V		08/00 -	
	106 II 1.6 S16		05/96 -	308 1.6 BioFlex		04/08 -	
	206 1.6 16V		09/00 -	Partner Combispace 1.6 16V		07/01 -	
	207 1.6 16V		02/06 -	Partner Tepee 1.6		04/08 -	
		KH 32,35 BÜ 1,40 GL 51,40		L 57,00 Ø 19,50		1,20 910 CR S 1,50 931 P 2,50 777 NIT S	
TNR		7137520000 5000				8937520000	
VE		4				1	
12	80,00 mm						
	205 1.8 D		02/83 - 07/90	306 (7A, 7C, N3, N5) 1.8 D		05/93 - 05/01	
	205 I (741A/C) 1.8 D		08/83 -	309 II (3C, 3A) 1.8		07/89 - 12/93	
	205 II (20A/C) 1.8 D		07/87 - 09/98	Partner (5) 1.8 D		06/96 -	
		KH 46,80 MT -2,00 GL 84,50		L 69,80 Ø 25,00		2,00 910 CR S 2,00 911 FE 3,00 947 EX CR	
TNR		7137220000 5000				8937220000	
VE		4				1	
13	82,20 mm						
	206 (2A/C) 1.9 D		09/98 - 11/01	Jumpy (U6U) 1.9 D 70		04/98 -	
	306 (7B, N3, N5) 1.9 D		09/98 - 04/02	Partner (5F) 1.9 D		06/96 -	
	Expert (222) 1.9 D 70		12/98 -				
		KH 46,80 VT1 -1,20 GL 77,80		L 66,00 Ø 25,00		2,00 910 CR S 2,00 931 P 3,00 947 EX CR	
TNR		7111420000 6000				8911420000	
VE		4				1	

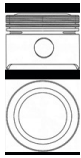
								
14 83,00 mm								
205 II (20A/C) 1.6			08/90 - 07/92					
305 II 1.6			10/82 - 06/88					
		KH 37,50 MT -2,10 GL 67,50		L 66,00 Ø 22,00		1,75 910 IF CR S 1,75 931 FE 4,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137170000				8937170000	7037170000	7237170000
VE		4				1	4	4
15 83,00 mm								
305 II 1.9 D			10/82 - 12/88		Boxer (230L) 1.9 D		07/99 - 04/02	
306 1.9 D			06/94 - 04/02		Boxer (230P, L) 1.9 D		03/94 - 04/02	
309 I 1.9 D			06/86 - 07/89		Expert (222, 223, 224) 1.9 D		02/96 -	
309 II 1.9			07/89 - 12/93		J5 (290P, L) 1.9 D		10/90 - 03/94	
405 I Break (15E) 1.9 D			10/88 - 08/92		Partner 1.9 D		06/96 -	
405 II 1.9 D			06/94 - 10/96					
		KH 46,80 MT -2,20 GL 84,30		L 72,00 Ø 25,00		2,00 910 CR S 2,00 911 P 3,00 947 EX CR		
TNR		7137230000 5000				8937230000		
VE		4				1		
16 83,00 mm								
806 1.8			07/95 - 08/02					
		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000 Bis Orga-Nr. 07608				8937250000	7037170000	7237250000
VE		4				1	4	4
		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000				8937250000	7037170000	7237250000
VE		4				1	4	4

								
17 83,00 mm								
306 1.8			05/93 - 04/02					
405 II 1.8			08/92 - 10/96					
		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000				8937250000	7037170000	7237250000
VE		4				1	4	4
		KH 33,30 MT -4,13 GL 53,30		L 62,00 Ø 22,00		1,50 910 IF CR S 1,50 931 P 3,00 777 CR S	AØ 88,10 B 95,19 GL 141,00 nass	O-Ringe
TNR		7137250000 Bis Orga-Nr. 07608				8937250000	7037170000	7237250000
VE		4				1	4	4
18 83,00 mm								
306 1.9 D			03/98 - 05/01			806 (221) 1.9 TD		
306 1.9 TD			05/93 - 04/02			Boxer (230P) 1.9 TD		
405 II (4B, 4E) 1.9 TD			08/92 - 10/96			Boxer (ZCT_) 1.9 TD		
406 (8B) 1.9 TD			01/96 - 05/04			Boxer Bus (230P, 230L) 1.9 TD		
406 Break (8E/F) 1.9 D			10/96 - 10/04			Expert		
		KH 46,80 MT -3,50 GL 79,30	RTK TPL LOX	L 68,00 Ø 28,00		3,00 914 CR 2,00 911 P 3,00 947 EX CR		
TNR		7137440000 5000				8937440000		
VE		4				1		
19 84,00 mm								
504 Pick-up (E_) 1.6			01/80 - 06/87					
J7 1.6			08/68 - 03/80					
J9 1.6			03/80 - 06/87					
		KH 41,50 BÜ 3,80 GL 79,30		L 70,00 Ø 23,00		2,00 910 IF CR 2,00 911 P 4,50 946 EX FE	AØ 93,00 B 90,00 GL 136,20 nass	O-Ringe
TNR		7137040000				8937040000	7037040000	7237040000
VE		4				1	4	4

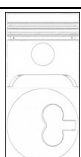
							
20 84,00 mm							
504 (A_, M_) 1.8 (A01, A03)			07/68 - 02/71				
	KH 38,25 BÜ 1,43 GL 72,13		L 70,00 Ø 23,00		1,50 910 IF CR S 2,00 930 FE 4,00 777 CR S	AØ 93,00 B 90,00 GL 136,20 nass	O-Ringe
TNR		7137120000			8937120000	7037040000	7237120000
VE		4			1	4	4
21 85,00 mm							
206 2.0 HDi 90			12/99 -		607 2.0 HDi		03/01 - 07/04
306 2.0 HDi 90			06/99 - 04/02		607 2.0 HDi		05/00 -
307 2.0 HDi 110			08/00 -		806 2.0 HDi		08/99 - 08/02
307 2.0 HDi 90			08/00 -		Boxer 2.0 HDi		04/02 -
406 2.0 HDi 110			06/98 - 10/04		Expert 2.0 HDi		07/00 -
406 2.0 HDi 110			08/01 - 10/04		Partner 2.0 HDi		02/00 -
406 2.0 HDi 90			02/99 - 10/04				
	KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 GL 80,75	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR		
TNR		7137490000 5000			8937490000		
VE		4			1		
22 88,00 mm							
504 2.0			01/71 - 08/84				
505 2.0			11/80 - 12/85				
	KH 37,90 MT -2,55 GL 73,45		L 74,00 Ø 23,00		1,50 910 IF CR S 2,00 911 FE 4,00 777 CR S	AØ 93,00 B 90,00 GL 135,60 nass	O-Ringe
TNR		7137070000			8937070000	7037070000	7237070000
VE		4			1	4	4



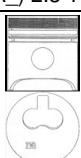
23 88,00 mm

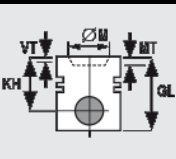
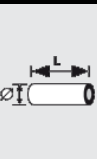
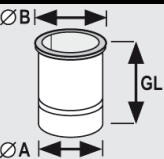
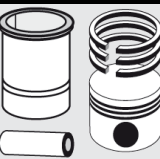
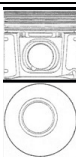
505 (551A, 551D) 2.2 GTI		08/83 - 12/93						
		KH 40,50 BÜ 1,55 GL 68,60		L 74,00 Ø 23,00		1,75 910 IF CR S 2,00 911 IF FE 4,00 777 CR S	AØ 93,55 B 93,00 GL 143,50 nass	O-Ringe
TNR		7137330000				8937330000	7037330000	7237330000
VE		4				1	4	4
							AØ 93,55 B 93,00 GL 148,50 nass	O-Ringe
TNR							7037340000	7237340000
VE							4	4

24 94,00 mm

J9 2.5 D		08/82 - 06/87						
		KH 53,92 MT -1,80 GL 96,42	RTK	L 76,80 Ø 30,00		2,00 910 CR S 2,00 930 FE 4,00 947 EX CR		
TNR		7137140000 4000				8937140000		
VE		4				1		

25 94,00 mm

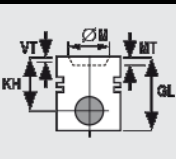
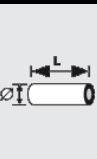
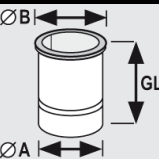
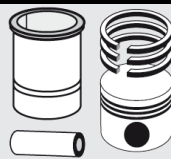
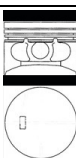
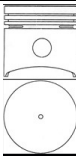
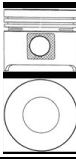
505 (551A, 551D) 2.3 Turbo Diesel		09/80 - 09/86						
604 (561A_) 2.3 TD		09/79 - 05/83						
		KH 57,42 MT -2,00 GL 99,92		L 78,80 Ø 30,00		2,00 910 CR S 2,00 930 FE 4,00 947 EX CR		
TNR		7137150000 4000				8937140000		
VE		4				1		

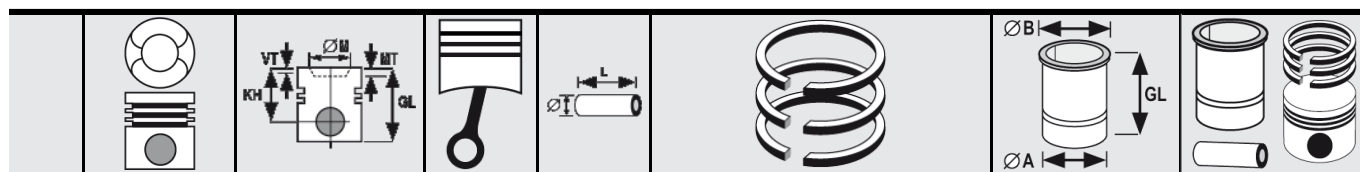
							
26	94,40 mm						
Boxer (230L, 230P, 244, ZCT) 2.8 HDI				10/00 -			
		KH 58,75 MT -21,35 GL 87,60	KKK RTK TPL	L 72,00 Ø 32,00	 	2,50 914 CR 2,00 931 P 2,50 947 EX NIT S	
TNR		7120040000 4000 6000				8920910000	
VE		4				1	

					ccm	Pos.
688.01	B	4	70,00	72,00	1108	2
688.10	B	4	70,00	72,00	1108	2
810.01	B	4	73,00	77,00	1289	3
810.02	B	4	73,00	77,00	1289	3
810.03	B	4	73,00	77,00	1289	3
810.05	B	4	73,00	77,00	1289	3
810.06	B	4	73,00	77,00	1289	3
841.725	B	4	79,00	84,00	1647	8
841.726	B	4	79,00	84,00	1647	8
A1M.707	B	4	79,00	84,00	1647	8
A2M.723	B	4	79,00	84,00	1647	8
C1E.752	B	4	70,00	72,00	1108	2
C1E.754	B	4	70,00	72,00	1108	2
C1E.756	B	4	70,00	72,00	1108	2
C1E.760	B	4	70,00	72,00	1108	2
C1E.762	B	4	70,00	72,00	1108	2
C1E.792	B	4	70,00	72,00	1108	2
C1J.780	B	4	76,00	77,00	1397	6
D7F.700	B	4	69,00	76,80	1149	1
D7F.701	B	4	69,00	76,80	1149	1
D7F.702	B	4	69,00	76,80	1149	1
D7F.703	B	4	69,00	76,80	1149	1
D7F.704	B	4	69,00	76,80	1149	1
D7F.710	B	4	69,00	76,80	1149	1
D7F.720	B	4	69,00	76,80	1149	1
D7F.722	B	4	69,00	76,80	1149	1
D7F.726	B	4	69,00	76,80	1149	1
D7F.730	B	4	69,00	76,80	1149	1
D7F.746	B	4	69,00	76,80	1149	1
D7F.766	B	4	69,00	76,80	1149	1
E5F.710/.716	B	4	75,80	64,90	1171	5
E7J.720	B	4	75,80	77,00	1390	4
E7J.724	B	4	75,80	77,00	1390	4
E7J.726	B	4	75,80	77,00	1390	4
E7J.728	B	4	75,80	77,00	1390	4
E7J.773	B	4	75,80	77,00	1390	4
F8Q.620	D	4	80,00	93,00	1870	15
F8Q.624	D	4	80,00	93,00	1870	15
F8Q.630	D	4	80,00	93,00	1870	14
F8Q.632	D	4	80,00	93,00	1870	14
F8Q.662	D	4	80,00	93,00	1870	14
F9Q.664	D	4	80,00	93,00	1870	16
F9Q.670	D	4	80,00	93,00	1870	16
F9Q.674	D	4	80,00	93,00	1870	16
F9Q.710	D	4	80,00	93,00	1870	17
F9Q.716	D	4	80,00	93,00	1870	17
F9Q.717	D	4	80,00	93,00	1870	17
F9Q.718	D	4	80,00	93,00	1870	17
F9Q.722	D	4	80,00	93,00	1870	17
F9Q.732	D	4	80,00	93,00	1870	17
F9Q.733	D	4	80,00	93,00	1870	17
F9Q.740	D	4	80,00	93,00	1870	17
F9Q.744	D	4	80,00	93,00	1870	17
F9Q.748	D	4	80,00	93,00	1870	17

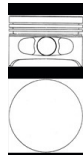
					ccm	Pos.
F9Q.752	D	4	80,00	93,00	1870	17
F9Q.754	D	4	80,00	93,00	1870	17
F9Q.760	D	4	80,00	93,00	1870	17
F9Q.762	D	4	80,00	93,00	1870	17
F9Q.770	D	4	80,00	93,00	1870	17
F9Q.772	D	4	80,00	93,00	1870	17
F9Q.774	D	4	80,00	93,00	1870	17
F9Q.780	D	4	80,00	93,00	1870	17
F9Q.782	D	4	80,00	93,00	1870	17
F9Q.790	D	4	80,00	93,00	1870	17
F9Q.796	D	4	80,00	93,00	1870	17
F9Q.800	D	4	80,00	93,00	1870	16
F9Q.808	D	4	80,00	93,00	1870	16
F9Q.812	D	4	80,00	93,00	1870	16
F9Q.820	D	4	80,00	93,00	1870	16
F9Q.826	D	4	80,00	93,00	1870	16
G9T.700	D	4	87,00	92,00	2188	19
G9T.702	D	4	87,00	92,00	2188	19
G9T.703	D	4	87,00	92,00	2188	19
G9T.706	D	4	87,00	92,00	2188	19
G9T.707	D	4	87,00	92,00	2188	19
G9T.712	D	4	87,00	92,00	2188	19
G9T.742	D	4	87,00	92,00	2188	19
G9T.743	D	4	87,00	92,00	2188	19
G9U.720	D	4	89,00	99,00	2463	20
G9U.724	D	4	89,00	99,00	2463	20
G9U.730	D	4	89,00	99,00	2463	20
G9U.750	D	4	89,00	99,00	2463	20
G9U.754	D	4	89,00	99,00	2463	20
J8S.240	D	4	86,00	89,00	2068	18
J8S.702	D	4	86,00	89,00	2068	18
J8S.738	D	4	86,00	89,00	2068	18
J8S.772	D	4	86,00	89,00	2068	18
J8S.774	D	4	86,00	89,00	2068	18
J8S.776	D	4	86,00	89,00	2068	18
J8S.788	D	4	86,00	89,00	2068	18
K4J.710	B	4	79,50	70,00	1390	10
K4J.711	B	4	79,50	70,00	1390	10
K4J.712	B	4	79,50	70,00	1390	10
K4J.713	B	4	79,50	70,00	1390	10
K4J.714	B	4	79,50	70,00	1390	11
K4J.730	B	4	79,50	70,00	1390	10
K4J.732	B	4	79,50	70,00	1390	10
K4J.750	B	4	79,50	70,00	1390	11
K4J.770	B	4	79,50	70,00	1390	10
K4M.700	B	4	79,50	80,50	1598	9
K4M.701	B	4	79,50	80,50	1598	9
K4M.704	B	4	79,50	80,50	1598	9
K4M.706	B	4	79,50	80,50	1598	9
K4M.708	B	4	79,50	80,50	1598	9
K4M.710	B	4	79,50	80,50	1598	9
K4M.714	B	4	79,50	80,50	1598	9
K4M.720	B	4	79,50	80,50	1598	9
K4M.740	B	4	79,50	80,50	1598	9

					ccm	Pos.
K4M.742	B	4	79,50	80,50	1598	9
K4M.743	B	4	79,50	80,50	1598	9
K4M.744	B	4	79,50	80,50	1598	9
K4M.745	B	4	79,50	80,50	1598	9
K4M.748	B	4	79,50	80,50	1598	9
K4M.750	B	4	79,50	80,50	1598	9
K4M.752	B	4	79,50	80,50	1598	9
K4M.753	B	4	79,50	80,50	1598	9
K4M.762	B	4	79,50	80,50	1598	9
K4M.788	B	4	79,50	80,50	1598	9
K4M.830	B	4	79,50	80,50	1598	9
K4M.831	B	4	79,50	80,50	1598	9
K4M.834	B	4	79,50	80,50	1598	9
K4M.848	B	4	79,50	80,50	1598	9
K4M.850	B	4	79,50	80,50	1598	9
K7J.710	B	4	79,50	70,00	1390	12
K7M.702	B	4	79,50	80,50	1598	13
K7M.703	B	4	79,50	80,50	1598	13
K7M.720	B	4	79,50	80,50	1598	13
K7M.744	B	4	79,50	80,50	1598	13
K7M.745	B	4	79,50	80,50	1598	13
K7M.790	B	4	79,50	80,50	1598	13
K9K.700	D	4	76,00	80,50	1461	7
K9K.702	D	4	76,00	80,50	1461	7
K9K.704	D	4	76,00	80,50	1461	7
K9K.710	D	4	76,00	80,50	1461	7
K9K.714	D	4	76,00	80,50	1461	7
K9K.722	D	4	76,00	80,50	1461	7
K9K.750	D	4	76,00	80,50	1461	7
K9K.752	D	4	76,00	80,50	1461	7
K9K.762	D	4	76,00	80,50	1461	7
K9K.768	D	4	76,00	80,50	1461	7

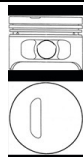
							
1	69,00 mm						
	Clio I 1.2		01/96 - 09/98		Kangoo Rapid 1.2		07/98 - 07/01
	Clio II 1.2		09/98 -		Twingo 1.2		05/96 -
	Kangoo 1.2		08/97 -				
		KH 27,10 GL 50,50		L 54,00 Ø 17,50		1,50 910 IF CR S 1,50 911 P 2,50 777 CR S	
TNR		7138390000 5000				8938390000	
VE		4				1	
2	70,00 mm						
	10 (119_) 1.1		05/66 - 10/72		Rapid (F40_, G40_) 1.1 (F401)		07/85 - 04/95
	6 (118_) 1.1		07/71 - 04/80		Rapid (F40_, G40_) 1.1 (F40H)		06/87 - 09/91
	6 (118_) 1.1		08/70 - 04/87		RODEO 6 1.1		08/73 - 11/81
	8 (113_) 1.1		11/62 - 10/72		Super 5 (B/C40_) 1.1 (B/C/401)		10/84 - 10/88
	Estafette (213_) 1.1		02/62 - 12/81		Super 5 (B/C40_) 1.1 (B/C/401, B/C40H)		01/86 - 03/95
		KH 40,00 GL 68,00		L 62,00 Ø 18,00		1,75 910 IF CR S 2,00 930 FE 3,50 777 CR S	AØ 75,50 B 94,85 GL 135,00 nass O-Ringe
TNR		7138060000				8938060000	7038060000 7238060000
VE		4				1	4 4
3	73,00 mm						
	10 (119_) 1.3		07/69 - 10/72		12 Variable (117_) 1.3 (1177)		08/73 - 08/80
	12 1.3 (1170)		07/75 - 04/80		15 (130_) 1.3 (1300)		03/72 - 10/80
	12 1.3 TS (1177, 1337)		08/72 - 08/80		Estafette (213_) 1.3		08/69 - 12/81
	12 Variable (117_) 1.3 (1170)		07/75 - 04/80				
		KH 37,50 BÜ 0,25 GL 62,95		L 62,00 Ø 20,00		1,75 910 CR S 2,00 911 FE 4,00 777 CR S	AØ 78,50 B 94,85 GL 134,00 nass O-Ringe
TNR		7138070000				8938070000	7038070000 7238070000
VE		4				1	4 4



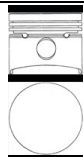
4 75,80 mm

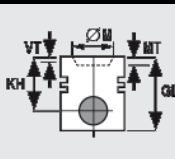
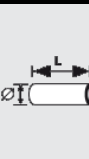
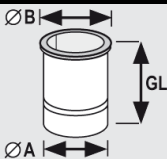
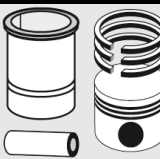
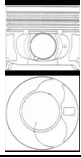
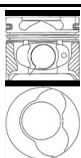
Rapid Kasten 1.4 (F40U, F40V)		09/91 - 03/98						
		KH 31,70 GL 53,70		L 60,00 Ø 19,00		1,50 910 IF CR S 1,75 911 FE 3,00 777 CR S	AØ 80,60 B 91,50 GL 130,00 nass	O-Ringe
TNR		7138020000				8938020000	7038020000	7238020000
VE		4				1	4	4

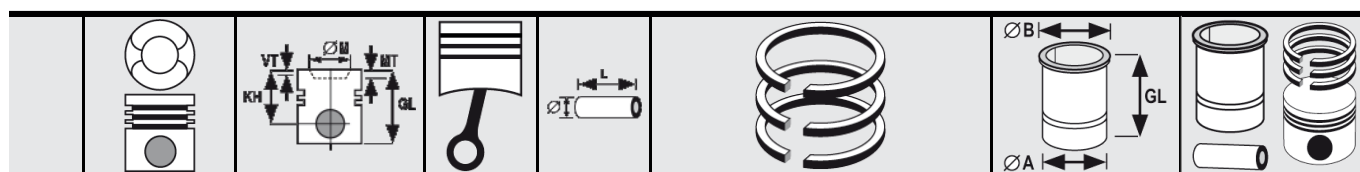
5 75,80 mm

Clio I 1.2 (B/C/S572)		05/90 - 03/96						
		KH 35,08 MT -1,20 GL 56,40		L 60,00 Ø 19,00		1,50 910 IF CR S 1,75 911 FE 3,00 777 CR S	AØ 80,60 B 91,50 GL 130,00 nass	O-Ringe
TNR		7138030000				8938020000	7038020000	7238030000
VE		4				1	4	4

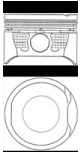
6 76,00 mm

Rapid (F40_, G40_) 1.4 (F402)		07/85 - 08/91						
Super 5 (B/C40_) 1.4 (B/C402)		10/84 - 06/88						
		KH 37,70 GL 64,00		L 64,00 Ø 20,00		1,75 910 IF CR S 2,00 931 FE 4,00 777 CR S	AØ 80,55 B 95,00 GL 134,00 nass	O-Ringe
TNR		7138090000				8938090000	7038090000	7238090000
VE		4				1	4	4

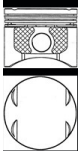
							
7	76,00 mm						
Clio Grandtour 1.5 dCi (KR0G)				02/08 -	Kangoo Rapid 1.5 dCi (FC08, FC09)		04/03 -
Clio Grandtour (KR0/1_) 1.5 dCi				02/10 -	Megane II 1.5 dCi (BM0F, CM0F)		11/02 -
Clio II 1.5 dCi				08/04 -	Megane II Grandtour (KM0/1_) 1.5 dCi		08/03 -
Clio II (B/CB03, B/CB08) 1.5 dCi				06/01 -	Megane II Stufenheck (LM0/1_) 1.5 dCi		09/03 -
Clio II (B/S/CB07) 1.5 dCi				06/01 -	Modus / Grand Modus 1.5 dCi (FP0D, JP0D)		09/04 -
Clio III 1.5 dCi (C/BR1G)				06/05 -	Modus / Grand Modus 1.5 dCi (FP0G, JP0G)		12/04 -
Clio III (BR0/1, CR0/1) 1.5 dCi				05/05 -	Modus / Grand Modus 1.5 dCi (FP0E, JP0E)		12/04 -
Kangoo (KC0/1_) 1.5 dCi				06/05 -	Scenic II 1.5 dCi (JM0F)		06/03 -
Kangoo (Rapid) (FC07, FC1R, KC07) 1.5 dCi				12/01 -	Thalia (LB0/1/2_) 1.5 dCi		02/03 -
Kangoo (Rapid) (FC07/08/09, FC1R, KC08/09) 1.5 dCi				12/01 -	Thalia (LB0/1/2_) 1.5 dCi		04/02 -
Kangoo 1.5 dCi (KC08, KC09)				07/02 -	Thalia (LB0/1/2_) 1.5 dCi		06/01 -
Kangoo Rapid 1.5 dCi (FC1E)				06/05 -			
		KH 41,78 VT1 -0,48 VT2 -0,28 MT -14,00 GL 66,00	RTK TPL	L 60,00 Ø 26,00		2,00 910 CR S 2,00 931 P 2,50 947 EX NIT	
TNR		7138440000 5000 mit Kolbenbolzen 26 mm				8938450000	
VE		4				1	
		KH 41,78 VT1 -0,48 VT2 -0,28 MT -14,00 GL 66,00	RTK TPL	L 60,00 Ø 25,00		2,00 910 CR S 2,00 931 P 2,50 947 EX NIT	
TNR		7138450000 5000 mit Kolbenbolzen 25 mm				8938450000	
VE		4				1	
8	79,00 mm						
18 1.6				01/82 - 07/86			
18 1.6				04/78 - 09/82			
Fuego 1.6				04/83 - 10/85			
TRAFFIC 1.6				03/80 - 08/86			
		KH 40,50 GL 65,90		L 69,00 Ø 21,00		1,75 910 IF CR S 2,00 911 P 4,00 777 CR S	AØ 84,00 B 92,60 GL 144,00 nass
TNR		7138180000				8938180000	7038180000
VE		4				1	4
							7238180000



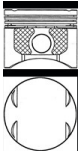
9	79,50 mm							
Clio II 1.6 16V	09/98 -	Megane I 1.6 16V	03/99 - 08/03					
Kangoo 1.6 16V	06/01 -	Megane II 1.6	05/05 -					
Kangoo / Grand Kangoo 1.6 16V Hi-Flex	02/08 -	Megane II 1.6 (Flex-Fuel)	06/05 -					
Kangoo Express 1.6 16V LPG	02/08 -	Megane II Grandtour 1.6 16V Hi-Flex	02/08 -					
Kangoo Express / Kangoo BE BOP 1.6 16V	02/08 -	Megane III Grandtour 1.6 16V	11/08 -					
Kangoo Rapid 1.6 16V 4x4	10/01 -	Megane Scenic 1.6 16V	04/98 - 10/99					
Kangoo Rapid 1.6 16V bivalent	06/05 -	Scenic I 1.6	09/99 - 09/03					
Laguna I 1.6 16V	11/97 - 03/01	Thalia II 1.6 16V	09/08 -					
Laguna II Grandtour 1.6 16V	03/01 -							

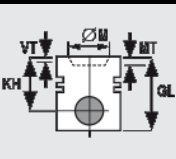
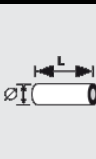
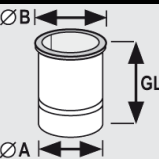
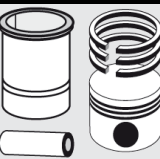
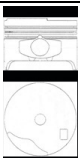
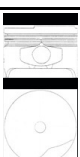
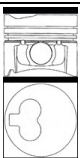
		KH 31,70 VT1 -1,90 MT -1,30 GL 55,00		L 62,00 Ø 20,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S		
TNR		7138400000 5000				8938410000		
VE		4				1		

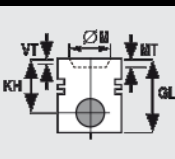
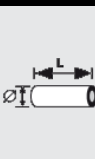
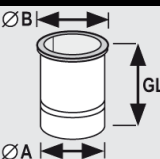
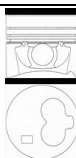
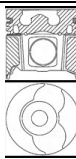
10	79,50 mm							
Clio II 1.4 16V (B/CB0L)	10/99 -	Modus / Grand Modus 1.4 (JP01, JP0J)	12/04 -					
Clio II 1.4 16V (B/CB0P)	08/00 -	Scenic II 1.4 (JM0B, JM0H, JM1A)	06/03 -					
Megane II 1.4 16V	10/03 -	Thalia 1.4 16V	08/00 -					
Megane II 1.4 16V (BM0B, CM0B)	11/02 -							

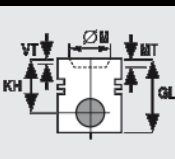
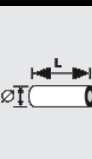
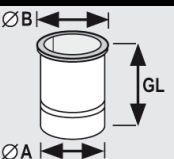
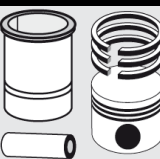
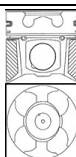
		KH 37,20 VT1 -1,20 VT2 -2,08 GL 64,50		L 62,00 Ø 20,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S		
TNR		7138410000 5000 bis 18.10.2004				8938410000		
VE		4				1		

11	79,50 mm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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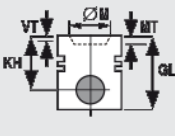
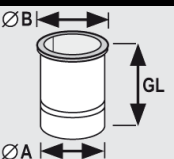
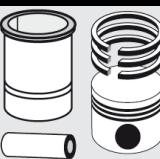
		KH 37,20 VT1 -1,20 VT2 -2,08 GL 64,50		L 62,00 Ø 20,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S		
TNR		7138410000 5000				8938410000		
VE		4				1		

							
12	79,50 mm						
LOGAN 1.4				09/04 -			
Sandero/STEPWAY 1.4				02/09 -			
		KH 35,83 GL 58,00		L 62,00 Ø 19,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7138620000 5000				8938410000	
VE		4				1	
13	79,50 mm						
Clio II 1.6				09/98 - 05/05			
Megane I 1.6 i				01/96 - 03/99			
Megane I 1.6 e				01/96 - 08/03			
Megane Scenic 1.6 i				01/97 - 09/99			
		KH 29,25 BÜ 2,55 GL 56,30		L 62,00 Ø 19,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7138630000 5000 für Zyl. 1+2				8938410000	
VE		1				1	
		KH 29,25 BÜ 2,55 GL 56,30		L 62,00 Ø 19,00		1,50 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7138640000 5000 für Zyl. 3+4				8938410000	
VE		1				1	
14	80,00 mm						
Clio II (B/CB0E) 1.9 D				09/98 - 05/05	Kangoo (KC0D, FC0D) 1.9 D		08/97 -
Clio II (B/CB0J) 1.9 D				02/00 - 05/01	Kangoo Rapid (FC0J) 1.9 D		09/99 - 06/03
Kangoo (KC0/1_, FC0/1_) 1.9 D				08/97 -			
		KH 42,20 MT -4,50 GL 67,10		L 63,00 Ø 24,00		2,00 910 CR S 2,00 911 FE 3,00 947 EX CR	
TNR		7138290000 5000				8938290000	
VE		4				1	

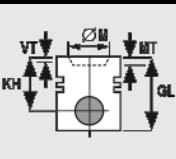
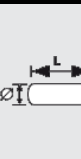
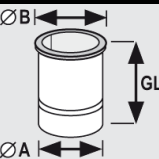
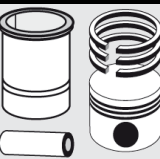
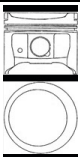
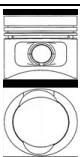
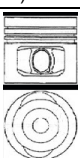
							
15	80,00 mm						
Megane I (B/SA0U, BA0A) 1.9 D				01/96 - 08/03			
Megane I (Classic) (LA0A, LA0U) 1.9 D				09/96 - 08/03			
		KH 42,40 MT -0,70 GL 67,20		L 63,00 Ø 24,00		2,00 910 CR S 2,00 911 FE 3,00 947 EX CR	
TNR		7138310000 5000				8938290000	
VE		4				1	
16	80,00 mm						
Espace IV 1.9 dCi (JK0U, JK0G)				11/02 -	Laguna II Grandtour 1.9 dCi (KG0G, KG1A, KG1W)		03/01 -
Grand Scenic II 1.9 dCi (JM0G, JM12, JM1G, JM2C)				04/04 -	Laguna II Grandtour 1.9 dCi (KG05)		03/04 -
Laguna II 1.9 dCi (BG05)				03/04 -	Megane II 1.9 dCi (BM0G, CM0G)		11/02 -
Laguna II 1.9 dCi (BG0G)				03/01 -	Megane II 1.9 dCi		11/02 -
Laguna II 1.9 dCi (BG0G, BG1A, BG1W)				03/01 -	Megane II Grandtour 1.9 dCi		09/03 -
Laguna II Grandtour 1.9 dCi (KG0G)				03/01 -	Scenic II 1.9 dCi (JM0G, JM12, JM1G, JM2C)		06/03 -
		KH 47,04 VT1 -0,75 MT -17,80 GL 77,00	KKK RTK TPL	L 60,00 Ø 28,00		2,50 910 IF CR 2,00 911 IF U P 3,00 947 EX CR	
TNR		7138420000 5000				8938430000	
VE		4				1	
17	80,00 mm						
Clio II 1.9 dTi (B/CB0U)				12/99 - 05/05	Master II 1.9 dTi		09/00 -
Espace III 1.9 dTi (JE0M)				02/99 - 10/02	Megane I 1.9 dCi (BA05, BA1F)		02/01 - 08/03
Kangoo 1.9 dTi (Rapid)				02/00 -	Megane I 1.9 dTi (BA1U)		02/01 - 08/03
Laguna Grandtour 1.9 dCi (K56W)				09/99 - 03/01	Megane I Classic 1.9 dCi (LA05, LA1F)		02/01 - 08/03
Laguna Grandtour 1.9 dTi (K56J)				10/97 - 03/01	Megane I Classic 1.9 dTi (LA1U)		02/01 - 08/03
Laguna I 1.9 dCi (B56W)				09/99 - 03/01	Megane I Coach 1.9 dCi (DA05, DA1F)		02/01 - 08/03
Laguna I 1.9 dTi (B56J)				10/97 - 03/01	Megane I Grandtour 1.9 dTi (KA1U)		02/01 - 08/03
Laguna II 1.9 dCi				03/01 -	Megane I Grandtour 1.9 dCi (KA05, KA1F)		02/01 - 08/03
Laguna II 1.9 dCi (BG0E)				06/01 -	Scenic I 1.9 dCi (JA05, JA1F)		09/99 - 08/03
Laguna II 1.9 dCi (BG0R)				03/01 -	Scenic I 1.9 dCi RX4		11/00 - 08/03
Laguna II Grandtour 1.9 dCi				03/01 -	Scenic I 1.9 dCi RX4		12/02 - 08/03
Laguna II Grandtour 1.9 dCi (KG0E)				06/01 -	Scenic I 1.9 dTi (JA1U)		02/01 - 08/03
Laguna II Grandtour 1.9 dCi (KG0E, KG0R)				03/01 -	Trafic II 1.9 dCi 80 (FL0B, EL0C, JL0C, FL0C)		03/01 -
		KH 47,06 VT1 -0,75 MT -17,80 GL 77,40	RTK TPL	L 60,00 Ø 28,00		2,50 910 IF CR 2,00 911 IF U P 3,00 947 EX CR	
TNR		7138430000 5000				8938430000	
VE		4				1	

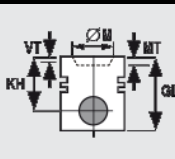
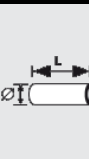
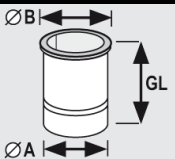
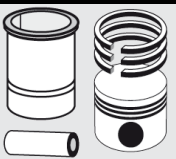
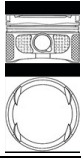
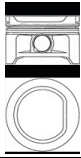
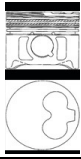
							
18 86,00 mm							
20 (127_) 2.1 TD		01/82 - 12/83		Espace I (J11_) 2.1 TD (J/S115)		10/84 - 12/90	
25 (B29_) 2.1 Turbo-D (B290, B29W)		04/84 - 12/92		Espace II 2.1 TD (J633/634, J/S635, J/S63D)		01/91 - 10/96	
30 (127_) 2.1 Turbo-D (1270)		02/82 - 03/86					
	KH 51,00 MT -4,00 GL 93,00		L 75,00 Ø 28,00		2,50 914 CR 2,50 931 FE 4,00 947 EX CR	AØ 93,60 AØ-Flansch 0,00 B 93,05 GL 166,00 nass	O-Ringe
TNR		7138300000			8938300000	7038300000	7238300000
VE		4			1	4	4
19 87,00 mm							
Avantime (DE0_) 2.2 dCi (DE01)		05/02 - 05/03		Laguna II (BG0/1_) 2.2 dCi (BG0F)		10/01 -	
Espace IV (JK0/1_) 2.2 dCi (JK0H)		11/02 -		Vel Satis (BJ0_) 2.2 dCi (BJ0E, BJ0F)		06/02 -	
Laguna II (BG0/1_) 2.2 dCi		05/05 -		Vel Satis (BJ0_) 2.2 dCi (BJ0E/F/G/H)		09/04 -	
	KH 54,53 MT -17,50 GL 84,20	KKK RTK TPL	L 65,00 Ø 31,00		3,00 913 CR 1,75 931 P 2,50 947 EX NIT		
TNR		7138490000 5000			8938490000		
VE		4			1		
20 89,00 mm							
Master II 2.5 dCi 120		10/01 -					
Traffic II 2.5 dCi 135		03/01 -					
	KH 53,03 MT -17,85 GL 83,09	RTK TPL	L 65,00 Ø 31,00		2,50 910 IF CR 1,75 931 P 2,50 947 EX NIT S		
TNR		7138510000 5000			8938510000		
VE		4			1		

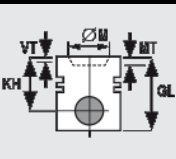
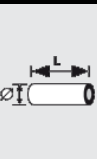
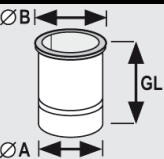
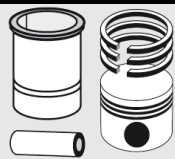
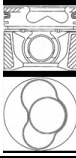
					ccm	Pos.
Z18XE	B	4	80,50	88,20	1796	1

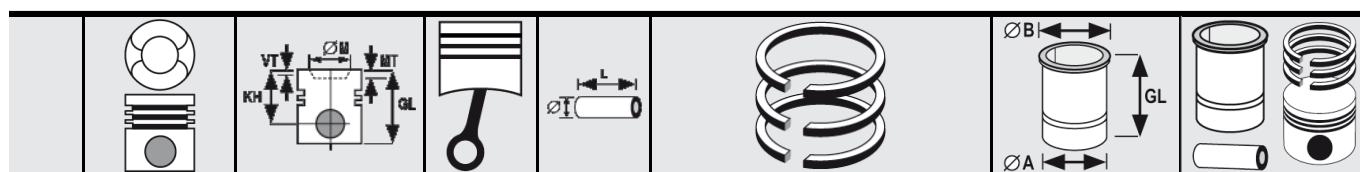
								
1	80,50 mm							
9-3 1.8 i		01/04 -						
		KH 24,10 GL 44,70		L 55,00 Ø 18,00		1,20 910 NIT S 1,20 931 P 2,00 777 NIT S		
TNR		7135490000 5000				8935490000		
VE		4				1		

					ccm	Pos.
1F	B	4	81,00	77,40	1595	15
1Y	D	4	79,50	95,50	1896	7
2G	B	4	75,00	72,00	1272	2
AAV	B	4	75,00	72,00	1272	2
AAZ	D	4	79,50	95,50	1896	8
ABD	B	4	75,00	78,70	1390	3
ABN	B	4	81,00	77,40	1595	15
ABS	B	4	81,00	86,40	1781	14
ADZ	B	4	81,00	86,40	1781	14
AEE	B	4	76,50	86,90	1598	5
AEH	B	4	81,00	77,40	1595	16
AER	B	4	67,10	70,60	999	1
AEX	B	4	76,50	75,60	1390	6
AEY	D	4	79,50	95,50	1896	11
AFT	B	4	81,00	77,40	1595	16
AGP	D	4	79,50	95,50	1896	12
AHW	B	4	76,50	75,60	1390	4
AKL	B	4	81,00	77,40	1595	16
AKV	B	4	76,50	75,60	1390	6
ALL	B	4	67,10	70,60	999	1
ALM	B	4	76,50	86,90	1598	5
AMF	D	3	79,50	95,50	1422	10
ANX	B	4	76,50	75,60	1390	6
APE	B	4	76,50	75,60	1390	4
APF	B	4	81,00	77,40	1595	16
APQ	B	4	76,50	75,60	1390	6
AQM	D	4	79,50	95,50	1896	12
ARL	D	4	79,50	95,50	1896	13
ASZ	D	4	79,50	95,50	1896	13
AUA	B	4	76,50	75,60	1390	4
AUR	B	4	81,00	77,40	1595	16
AUY	D	4	79,50	95,50	1896	9
AXP	B	4	76,50	75,60	1390	4
AYQ	D	4	79,50	95,50	1896	12
BBY	B	4	76,50	75,60	1390	4
BCA	B	4	76,50	75,60	1390	4
BLT	D	4	79,50	95,50	1896	13
BMM	D	4	81,00	95,50	1968	17
EZ	B	4	81,00	77,40	1595	15

							
1	67,10 mm						
Arosa (6H) 1.0							05/97 - 06/04
Cordoba (6K1, 6K2) 1.0 i							09/96 - 06/99
Ibiza II (6K1) 1.0 i							09/96 - 08/99
		KH 31,27 MT -5,65 GL 51,27	HKÜ	L 45,00 Ø 17,00		1,00 910 CR S 1,20 931 P 2,00 777 CR S	
TNR		7150830000 5000				8950790000	
VE		4				1	
2	75,00 mm						
Ibiza II (6K1) 1.3 i							03/93 - 08/99
		KH 42,87 VT1 -1,70 VT2 -1,70 MT -16,60 GL 69,87	HKÜ	L 54,00 Ø 20,00		1,75 910 IF CR S 2,00 931 FE 3,00 777 CR S	
TNR		7150050000 5000				8950350000	
VE		4				1	
3	75,00 mm						
Cordoba (6K1, 6K2) 1.4i							06/94 - 06/99
Ibiza II (6K1) 1.4i							09/93 - 08/99
		KH 34,52 VT1 -1,65 MT -15,20 GL 52,02	HKÜ	L 48,00 Ø 17,00		1,50 910 IF CR S 1,50 911 FE 2,50 777 CR S	
TNR		7150060000 5000				8950010000	
VE		4				1	
4	76,50 mm						
Cordoba (6K2, 6K5, 6L2) 1.4 16V							05/00 - 10/02
Ibiza III (6K1) 1.4 16V							05/00 - 02/02
Ibiza IV (6L1) 1.4 16V							02/02 - 12/07
Inca (6K2) 1.4 16V							04/00 - 06/03
Leon (1M1) 1.4 16V							11/99 - 06/06
Toledo II (1M2) 1.4 16V							07/99 - 05/06
		KH 29,00 VT1 -2,20 VT2 -2,20 MT -2,00 GL 50,00	HKÜ	L 54,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150770000 5000				8950770000	
VE		4				1	

							
5	76,50 mm						
Cordoba (6K1, 6K2, 6K5) 1.6 i				02/93 - 12/02			
Ibiza II (6K1) 1.6 i				03/93 - 02/02			
Inca (6K9) 1.6 i				06/97 - 09/00			
		KH 30,90 MT -7,80 GL 60,20	HKÜ	L 52,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150780000 5000				8950770000	
VE		4				1	
6	76,50 mm						
Arosa (6H) 1.4				05/97 - 06/04		Ibiza II (6K1) 1.4 i	
Cordoba (6K1, 6K2, 6K5) 1.4 i				09/96 - 06/99		Inca (6K9) 1.4 i	
Ibiza II (6K1) 1.4				12/97 - 04/99		09/93 - 08/99	
						11/95 - 06/03	
		KH 28,35 MT -5,95 GL 50,35	HKÜ	L 52,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150790000 5000				8950770000	
VE		4				1	
7	79,50 mm						
Seat Cordoba (6K1, 6K2) 1.9 D				02/93 - 08/96			
Seat Ibiza II (6K1) 1.9 D				04/93 - 08/96			
Seat Inca (6K9) 1.9 D				11/95 - 06/03			
Seat Toledo I (1L) 1.9 D				05/91 - 03/99			
		KH 39,65 MT -1,90 GL 65,70	RTK HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150020000 5000 1000				8950480000	
VE		1				1	

							
8	79,50 mm						
	Cordoba (6K1, 6K2) 1.9 TD			02/93 - 08/96			
	Ibiza II (6K1) 1.9 TD			03/93 - 08/96			
	Toledo I (1L) 1.9 TD			05/91 - 03/99			
		KH 45,65 MT -1,90 GL 71,70	RTK LOX HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150030000 5000 1000				8950480000	
VE		4				1	
9	79,50 mm						
	Alhambra (7V8, 7V9) 1.9 TDI			06/00 - 03/10			
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150070000 5000 1000 für Zyl. 1+2				8950480000	
VE		1				1	
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150080000 5000 1000 für Zyl. 3+4				8950480000	
VE		1				1	

**10 79,50 mm**

Arosa (6H) 1.4 TDI

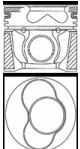
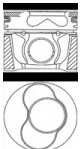
01/00 - 06/04

Cordoba (6L2) 1.4 TDI

10/02 - 12/05

Ibiza IV (6L1) 1.4 TDI

05/02 - 12/05

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150090000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150100000 5000 1000 für Zyl. 3				8950480000		
VE		1				1		

11 79,50 mm

Cordoba (6K1, 6K2, 6K5) 1.9 SDI

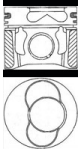
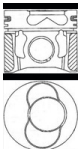
08/96 - 06/99

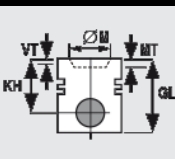
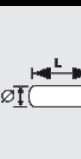
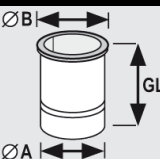
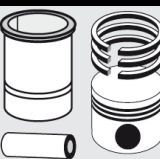
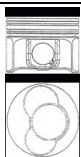
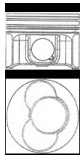
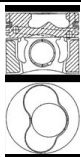
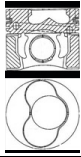
Ibiza II (6K1) 1.9 SDI

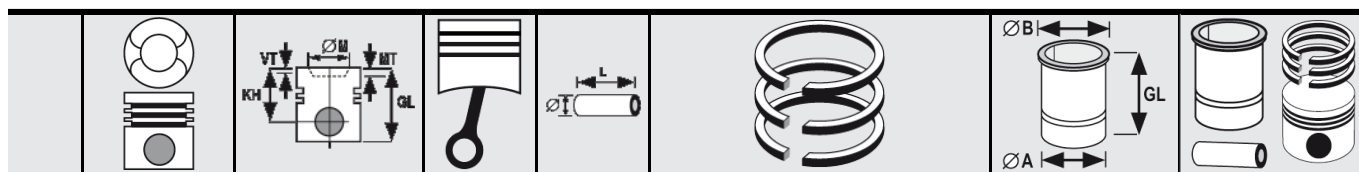
08/96 - 08/99

Inca (6K9) 1.9 SDI

11/95 - 06/03

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,75 GL 71,80	RTK KBB	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150110000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,75 GL 71,80	RTK KBB	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150120000 5000 1000 für Zyl. 3+4				8950480000		
VE		1				1		

							
12	79,50 mm						
Cordoba (6K2, 6K5) 1.9 SDI			06/99 - 12/02		Leon (1M1) 1.9 SDI		11/99 - 06/06
Ibiza III (6K1) 1.9 SDI			08/99 - 02/02		Toledo II (1M2) 1.9 SDI		11/99 - 06/04
Inca (6K9) 1.9 SDI			11/95 - 06/03				
		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150130000 5000 für Zyl. 1+2				8950480000	
VE		1				1	
		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150140000 5000 für Zyl. 3+4				8950480000	
VE		1				1	
13	79,50 mm						
Alhambra (7V8, 7V9) 1.9 TDI			05/05 - 05/07		Leon (1M1) 1.9 TDI		02/01 - 06/06
Alhambra (7V8, 7V9) 1.9 TDI			11/02 - 11/08		Leon (1M1) 1.9 TDI		05/03 - 06/06
Cordoba (6L2) 1.9 TDI			10/02 - 11/09		Toledo II (1M2) 1.9 TDI		05/03 - 05/06
Ibiza IV (6L1) 1.9 TDI			02/02 - 11/09		Toledo II (1M2) 1.9 TDI		10/00 - 05/06
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150480000 5000 für Zyl. 1+2				8950480000	
VE		1				1	
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150490000 5000 für Zyl. 3+4				8950480000	
VE		1				1	

**14 81,00 mm**

Cordoba (6K1, 6K2) 1.8 i

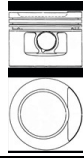
02/93 - 06/99

Ibiza II (6K1) 1.8 i

03/93 - 08/99

Toledo I (1L) 1.8 i

11/93 - 12/96

		KH 32,20 MT -4,40 BÜ 1,30 GL 62,50	HKÜ	L 57,00 Ø 20,00		1,50 910 IF CR S 1,75 931 FE 3,00 777 CR S		
TNR		7150370000 5000				8950370000		
VE		4				1		

15 81,00 mm

Cordoba (6K1, 6K2, 6K5) 1.6 i

05/94 - 06/99

Ibiza II (6K1) 1.6 i

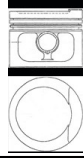
09/94 - 06/99

Inca (6K9) 1.6 i

11/95 - 05/98

Toledo I (1L) 1.6 i

05/91 - 03/99

		KH 35,60 MT -2,30 BÜ 2,20 GL 66,80	HKÜ	L 57,00 Ø 20,00		1,50 910 IF CR S 1,75 931 FE 3,00 777 CR S		
TNR		7150380000 5000				8950370000		
VE		4				1		

16 81,00 mm

Cordoba (6K1, 6K2, 6K5) 1.6 i

07/96 - 12/02

Leon (1M1) 1.6

11/99 - 06/06

Cordoba (6K2, 6K5) 1.6

06/99 - 12/02

Toledo (1L) 1.6 i

11/96 - 08/97

Ibiza II (6K1) 1.6 i

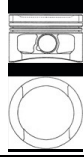
04/96 - 08/99

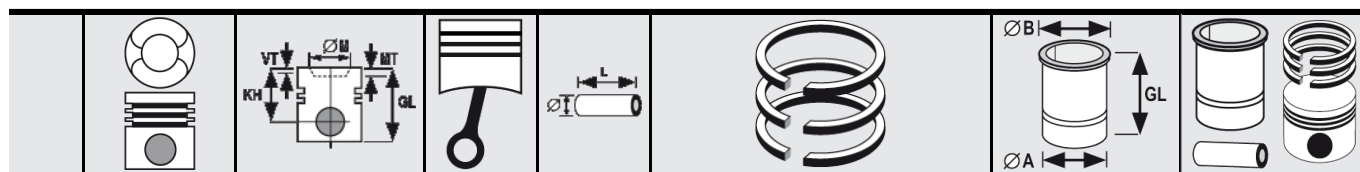
Toledo II (1M2) 1.6

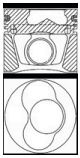
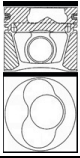
04/99 - 09/00

Ibiza III (6K1) 1.6

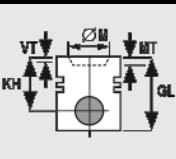
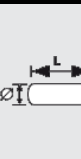
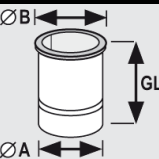
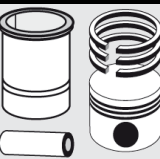
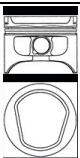
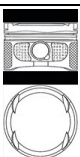
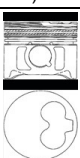
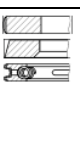
08/99 - 02/02

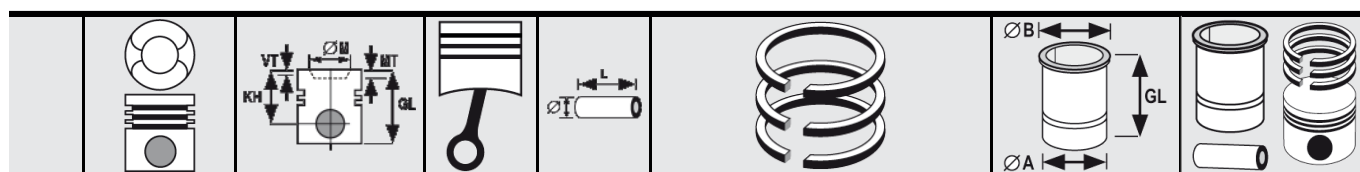
		KH 32,00 MT -2,30 BÜ 0,70 GL 53,70	HKÜ	L 57,00 Ø 20,00		1,20 910 IF NIT S 1,50 931 P 2,00 777 NIT S		
TNR		7150750000 5000				8950750000		
VE		4				1		



17 81,00 mm							
Altea (5P1, 5P5, 5P8) 2.0 TDI				11/05 -			
Leon (1P1) 2.0 TDI				10/05 -			
Toledo III (5P2) 2.0 TDI				11/05 - 05/09			
		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150800000 5000 für Zyl. 1+2				8950800000	
VE		1				1	
		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150810000 5000 für Zyl. 3+4				8950800000	
VE		1				1	

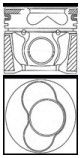
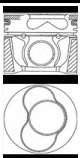
					ccm	Pos.
AEE	B	4	76,50	86,90	1598	2
AEF	D	4	79,50	95,50	1896	3
AEG	B	4	82,50	92,80	1984	9
AEH	B	4	81,00	77,40	1595	7
AGP	D	4	79,50	95,50	1896	5
AKL	B	4	81,00	77,40	1595	7
AMF	D	3	79,50	95,50	1422	4
APK	B	4	82,50	92,80	1984	9
AQM	D	4	79,50	95,50	1896	5
AQY	B	4	82,50	92,80	1984	9
ASZ	D	4	79,50	95,50	1896	6
AUA	B	4	76,50	75,60	1390	1
AVF	D	4	79,50	95,50	1896	6
AWX	D	4	79,50	95,50	1896	6
AXP	B	4	76,50	75,60	1390	1
BBY	B	4	76,50	75,60	1390	1
BCA	B	4	76,50	75,60	1390	1
BLT	D	4	79,50	95,50	1896	6
BMM	D	4	81,00	95,50	1968	8
BMP	D	4	81,00	95,50	1968	8
BSS	D	4	81,00	95,50	1968	8

							
1	76,50 mm						
Fabia (6Y2, 6Y3, 6Y5) 1.4 16V				10/99 - 03/08			
Octavia (1U2, 1U5, 1Z3, 1Z5) 1.4 16V				08/00 - 12/10			
		KH 29,00 VT1 -2,20 VT2 -2,20 MT -2,00 GL 50,00	HKÜ	L 54,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150770000 5000				8950770000	
VE		4				1	
2	76,50 mm						
Felicia I + II (6U1, 6U5, 797) 1.6				08/95 - 04/02			
Octavia (1U2, 1U5) 1.6				09/96 - 09/04			
		KH 30,90 MT -7,80 GL 60,20	HKÜ	L 52,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150780000 5000				8950770000	
VE		4				1	
3	79,50 mm						
Felicia (6U5, 797) 1.9 D				10/95 - 04/02			
Felicia I (6U1) 1.9 D				10/95 - 06/01			
		KH 39,65 MT -1,90 GL 65,70	RTK HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150020000 5000 1000				8950480000	
VE		1				1	

**4 79,50 mm**

Fabia (6Y2, 6Y5, 6Y3) 1.4 TDI

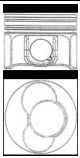
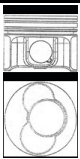
04/03 - 03/08

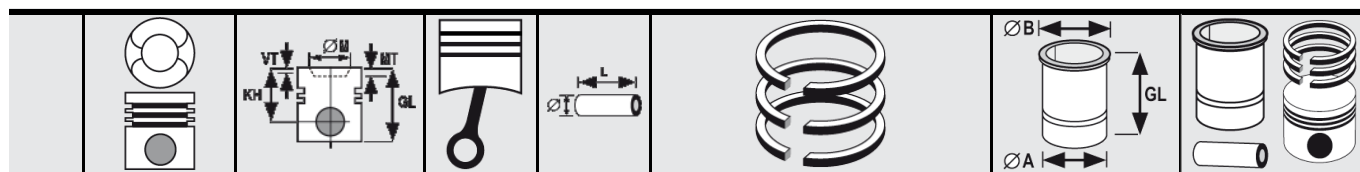
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150090000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150100000 5000 1000 für Zyl. 3				8950480000		
VE		1				1		

5 79,50 mm

Octavia (1U2, 1U5) 1.9 SDI

06/97 - 12/03

		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150130000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150140000 5000 für Zyl. 3+4				8950480000		
VE		1				1		



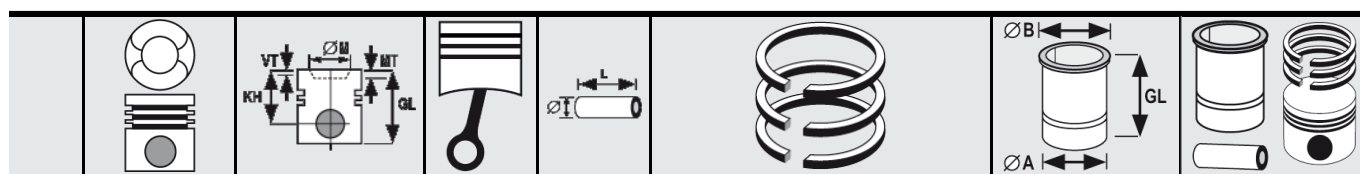
6	79,50 mm						
Fabia (6Y2) 1.9 TDI RS		06/03 - 03/08					
Octavia (1U2, 1U5) 1.9 TDI		09/02 - 09/04					
Superb (3U4) 1.9 TDI		12/01 - 03/08					

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150480000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150490000 5000 für Zyl. 3+4				8950480000		
VE		1				1		

7	81,00 mm						
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Octavia (1U2, 1U5) 1.6		02/97 - 12/07					
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		KH 32,00 MT -2,30 BÜ 0,70 GL 53,70	HKÜ	L 57,00 Ø 20,00		1,20 910 IF NIT S 1,50 931 P 2,00 777 NIT S		
TNR		7150750000 5000				8950750000		
VE		4				1		



8 81,00 mm

Octavia (1Z3, 1Z5) 2.0 TDI

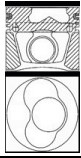
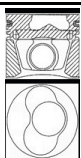
11/05 -

Superb (3T4, 3T5) 2.0 TDI

03/08 -

Superb (3U4) 2.0 TDI

10/05 - 03/08

		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR		
TNR		7150800000 5000 für Zyl. 1+2				8950800000		
VE		1				1		
		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR		
TNR		7150810000 5000 für Zyl. 3+4				8950800000		
VE		1				1		

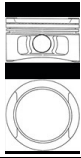
9 82,50 mm

Fabia (6Y2) 2.0

12/99 - 03/08

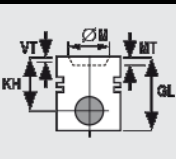
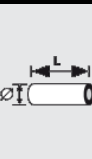
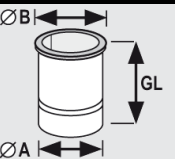
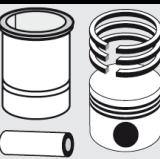
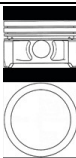
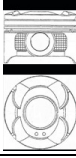
Octavia (1U2, 1U5) 2.0

04/99 - 05/07

		KH 29,30 MT -5,80 BÜ 0,70 GL 51,00		L 52,00 Ø 20,00		1,20 910 IF NIT S 1,50 911 IF FE 2,00 777 NIT S		
TNR		7150520000 5000				8950520000		
VE		4				1		

					ccm	Pos.
M132.910	B	3	72,00	81,80	999	5
M160.910	B	3	66,50	67,00	599	1
M160.920	B	3	66,50	67,00	698	3
M160.921	B	3	66,50	67,00	698	4
M160.922	B	3	66,50	67,00	698	4
OM660.940	D	3	65,50	79,00	799	2
OM660.950	D	3	65,50	79,00	799	2

1	66,50 mm							
Cabrio (450) 0.6			01/01 - 01/04					
City-Coupe (450) 0.6			07/98 - 01/04					
		KH 27,00 MT -2,75 GL 43,50		L 48,00 Ø 16,00		1,20 910 NIT S 1,50 911 FE 2,50 777 NIT S		
TNR		7110810000 2500 5000				8910810000		
VE		3				1		
2	65,50 mm							
Fortwo Cabrio 0.8 CDI			01/04 -					
Fortwo Cabrio 0.8 CDI			01/07 -					
		KH 36,00 VT1 -0,95 VT2 -0,95 MT -11,10 GL 60,00	RTK	L 53,00 Ø 23,00		1,50 910 NIT S 1,50 911 NIT S 2,50 947 EX NIT S		
TNR		7110960000				8910960000		
VE		3				1		
3	66,50 mm							
Cabrio (450) 0.7			01/01 - 01/04					
City Coupe (450) 0.7			01/01 - 01/04					
		KH 25,20 MT -3,90 GL 41,70		L 52,00 Ø 17,00		1,20 910 CR S 1,50 911 P 2,50 777 CR S		
TNR		7112510000 2500 5000				8912510000		
VE		3				1		

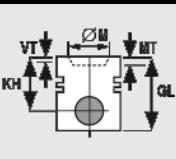
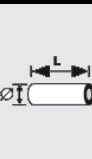
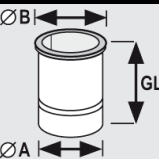
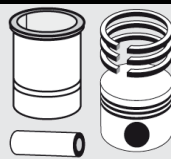
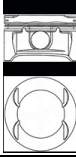
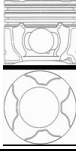
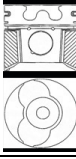
							
4	66,50 mm						
Roadster (452) 0.7 (452.432)				04/03 - 11/05			
Roadster (452) 0.7 (452.434)				04/03 - 11/05			
		KH 25,20 MT -3,30 GL 41,70		L 52,00 Ø 16,00		1,20 910 NIT S 1,20 911 NIT 2,50 777 NIT S	
TNR		7112520000 2500 5000				8912520000	
VE		3				1	
5	72,00 mm						
Fortwo Cabrio 1.0 (451.431)				01/07 -			
Fortwo Coupe 1.0 (451.330, 451.334)				01/07 -			
Fortwo Coupe 1.0 (451.331, 451.380)				01/07 -			
		KH 30,50 MT 5,80 GL 51,50		L 56,00 Ø 18,00		1,00 910 NIT S 1,20 931 P 2,00 777 NIT S	
TNR		7112730000 2500 5000 7500 1000 für Model Code: 807/808/809/800				8912730000	
VE		3				1	

					ccm	Pos.
1KR-FE	B	3	71,00	84,00	998	1

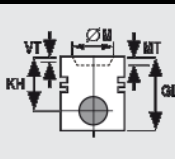
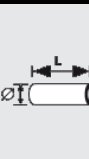
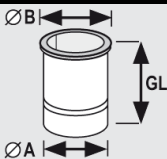
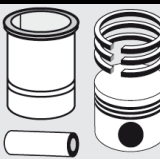
1	71,00 mm						
Justy IV 1.0		01/07 -					
		KH 29,25 VT1 -3,00 MT -6,30 GL 47,05		L 47,00 Ø 18,00		1,00 910 NIT S 1,00 911 FE 1,50 777 CR S	
TNR		7196010000 5000				7996010000	
VE		3				1	

					ccm	Pos.
9HX	D	4	75,00	88,30	1560	6
F10A	B	4	65,50	72,00	970	1
F8B	B	3	68,50	72,00	796	2
RHZ	D	4	85,00	88,00	1997	7
Z10XEP	B	3	73,40	78,60	998	4
Z12XEP	B	4	73,40	72,60	1229	5
Z13DT	D	4	69,60	82,00	1248	3

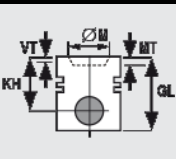
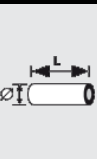
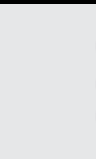
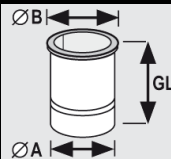
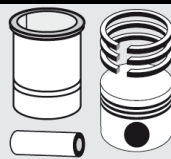
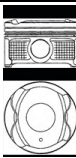
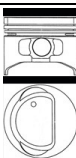
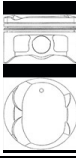
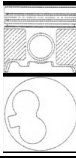
1	65,50 mm					
	Samurai 1.0 Allrad (SJ 410)		11/88 - 12/04			
	SJ 410 1.0 (SJ410)		09/81 - 12/88			
	Super Carry 1.0 (SK)		10/85 - 03/99			
		KH 24,50 MT -2,00 GL 55,00		L 53,50 Ø 16,00		1,50 910 NIT S 1,50 911 FE 2,80 777 CR S
TNR		7194130000 5000				7994130000
VE		4				1
2	68,50 mm					
	Alto I (SS80F/G) 0.8		06/82 - 12/85			
	Alto II (SB308/CA) 0.8		01/86 - 11/93			
		KH 25,00 MT -3,00 GL 55,00		L 53,50 Ø 16,00		1,50 910 CR 1,50 911 FE 2,80 777 CR S
TNR		7194150000 5000				7994150000
VE		3				1
3	69,60 mm					
	Ignis II 1.3 DDiS		09/03 -			
	Swift III (MZ, EZ) 1.3 DDiS		08/05 -			
	Wagon R+ (MM) 1.3 DDiS		09/03 -			
		KH 40,43 VT1 -1,20 VT2 -1,00 MT -12,40 GL 63,43	RTK TPL	L 56,50 Ø 23,00		2,00 910 NIT S 1,50 911 P 2,00 947 EX NIT
TNR		7135640000 6000				8935640000
VE		3				1

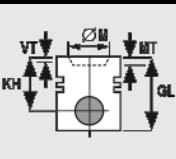
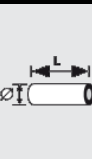
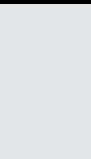
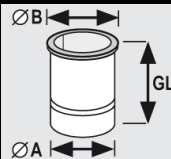
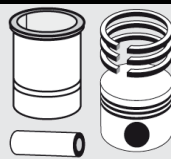
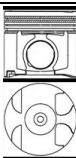
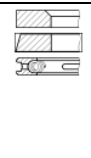
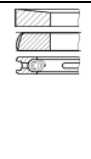
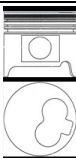
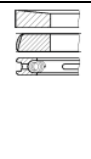
							
4	73,40 mm						
Wagon R 1.0		06/04 - 08/05					
		KH 24,00 VT1 -1,30 VT2 -1,30 MT -0,80 GL 45,00		L 51,00 Ø 18,00		1,20 910 NIT S IF 1,20 931 P 2,00 777 NIT S	
TNR		7135560000 5000				8935560000	
VE		3				1	
5	73,40 mm						
Wagon R 1.2		06/04 - 08/05					
		KH 24,00 VT1 -1,40 VT2 -1,90 BÜ 0,53 GL 45,53		L 51,00 Ø 18,00		1,20 910 NIT S IF 1,20 931 P 2,00 777 NIT S	
TNR		7135570000 5000				8935560000	
VE		4				1	
6	75,00 mm						
SX4 (GY) 1.6 DDIS		04/07 -					
		KH 41,70 VT1 -1,16 MT -13,20 GL 65,30	KKK RTK TPL	L 61,00 Ø 26,00		3,00 916 CR 1,95 931 ES P 2,50 947 EX NIT	
TNR		7137580000 5000				8937580000	
VE		4				1	
7	85,00 mm						
Grand Vitara I (FT, GT) 2.0 HDI 110		07/01 - 07/03					
		KH 46,75 VT1 -1,00 VT2 -1,00 MT -18,30 GL 80,75	RTK TPL	L 70,00 Ø 28,00		3,50 916 CR 2,00 911 IF P 3,00 947 EX CR	
TNR		7137490000 5000				8937490000	
VE		4				1	

					ccm	Pos.
XY7	B	4	75,00	77,00	1351	1
XY8	B	4	75,00	77,00	1351	1

							
1	75,00 mm						
Samba 1.4		01/81 - 10/86					
		KH 40,50 GL 65,50		L 65,50 Ø 19,50	 1,75 910 IF CR S 2,00 931 FE 4,00 777 CR S	AØ 79,50 B 90,00 GL 135,00 nass	O-Ringe
TNR		7137530000			8938170000	7037550000	7237530000
VE		4			1	4	4

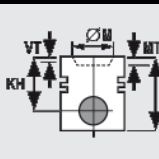
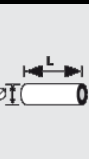
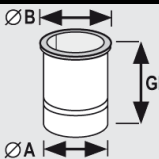
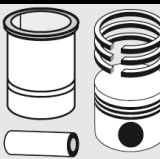
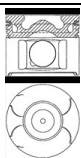
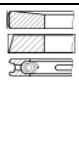
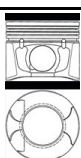
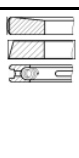
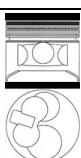
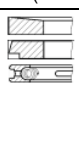
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11B	D	4	95,00	105,00	2977	12
14B	D	4	102,00	112,00	3661	16
1HD-T	D	6	94,00	100,00	4164	11
1H-Z	D	6	94,00	100,00	4164	10
1KD-FTV	D	4	96,00	103,00	2982	14
1KR-FE	B	3	71,00	84,00	998	1
2C	D	4	86,00	85,00	1975	4
2E	B	4	73,00	77,40	1296	2
2E-E	B	4	73,00	77,40	1296	2
2KD-FTV	D	4	92,00	93,80	2494	5
2L	D	4	92,00	92,00	2446	6
2L II	D	4	92,00	92,00	2446	7
2L-T	D	4	92,00	92,00	2446	8
2L-T II	D	4	92,00	92,00	2446	9
2NZ-FE	B	4	75,00	73,50	1299	3
3L	D	4	96,00	96,00	2779	13
5L	D	4	99,50	96,00	2986	15

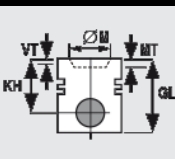
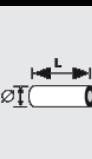
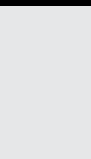
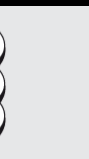
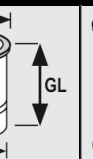
							
1	71,00 mm						
Aygo 1.0				07/05 -			
IQ (KGJ1_, NGJ1_) 1.0				01/09 -			
Yaris 1.0				01/06 -			
		KH 29,25 VT1 -3,00 MT -6,30 GL 47,05		L 47,00 Ø 18,00		1,00 910 NIT S 1,00 911 FE 1,50 777 CR S	
TNR		7196010000 5000				7996010000	
VE		3				1	
2	73,00 mm						
Corolla 1.3 12V				08/87 - 04/97			
Starlet 1.3 12V				12/89 - 03/96			
		KH 30,00 MT -9,30 GL 58,00		L 59,00 Ø 18,00		1,50 910 IF NIT S 1,50 931 ES FE 3,00 777 NIT S	
TNR		7196820000 5000				7996040000	
VE		4				1	
3	75,00 mm						
Yaris (Verso) 1.3 16V				11/99 - 09/05			
		KH 30,70 MT -2,70 GL 49,70		L 53,00 Ø 18,00		1,20 910 NIT S 1,20 931 FE 2,00 777 NIT S	
TNR		7196860000 5000				7996860000	
VE		4				1	
4	86,00 mm						
Carina E 2.0 D				04/92 - 01/96			
Carina II 2.0 D				03/88 - 06/93			
Corolla 2.0 D				07/92 - 04/97			
Liteace 2.0 D				08/88 - 01/92			
		KH 47,00 VT1 -1,40 GL 77,00	LOX	L 58,00 Ø 27,00		2,00 913 NIT S 2,00 911 CR 3,00 947 EX NIT S	
TNR		7197600000 5000				7997350000	
VE		4				1	

							
5	92,00 mm						
Hiace IV 2.5 D-4D				11/01 -			
Hilux II Pick-up 2.5 D-4D				11/01 - 07/05			
		KH 54,20 MT -19,50 GL 82,20	KKK RTK	L 65,00 Ø 34,00		2,00 910 IF NIT S 1,50 911 NIT S 3,00 947 EX NIT S	
TNR		7197420000 5000				7997420000	
VE		4				1	
6	92,00 mm						
Cressida 2.4 D (YX70,RX7*,GX71,MX7*,LX7*)				08/84 - 07/88 Dyna 100 2.4 D (YY61,LY6*)			
Crown 2.4 D (YS120,MS12*,LS120)				08/83 - 07/87 Hiace 2.4 D (YH5*,6*,7*,LH5*,6*,7*)			
Dyna 100 2.4 D (YH8*,LH80)				08/85 - 07/87 Hiace 2.4 D (YH5*,6*,LH5*,6*)			
Dyna 100 2.4 D (YH81,LH80)				08/87 - 04/95 Hilux 2.4 D (LN5*,6*,YN5*,6*,RN5*,6*)			
Dyna 100 2.4 D (YY5*,6*,LY60)				08/85 - 07/87 Land Cruiser 2.4 D (RJ7*,LJ7*,BJ7*)			
		KH 49,30 MT -1,50 GL 86,20		L 74,00 Ø 27,00		2,00 913 NIT S 2,00 911 CR P 4,00 947 EX NIT S	
TNR		7197500000 5000				7997140000	
VE		4				1	
7	92,00 mm						
Cressida 2.4 D (GX81,LX80,MX8*,RX8*)				08/88 - 07/96 Hiace 2.4 D (LH10*,11*,RZH10*,11*)			
Dyna 100 2.4 D (LY100,YY100)				05/95 - 07/01 Hilux 2.4 D (KDN1**,LN1**,RZN168,173)			
Dyna 100 2.4 D (YH81,LH80)				08/87 - 04/95 Hilux 2.4 D (LN5*,6*,YN5*,6*,RN5*,6*)			
Hiace 2.4 D (KLH1*,2*,LXH1*,2*,RCH1*,2*)				08/95 - Hilux 2.4 D (RN1**,YN85,90,1**,LN85,90,1**,VZN130,KZN130)			
Hiace 2.4 D (LH1**,RZH10*,11*,125,135,15*)				08/89 - 01/06 Hilux 2.4 D (YN85,LN85)			
		KH 44,30 MT -2,50 GL 80,30	RTK	L 69,90 Ø 27,00		2,00 913 NIT S 2,00 911 CR P 4,00 947 EX NIT S	
TNR		7197510000 5000				7997140000	
VE		4				1	

211

10	94,00 mm							
Land Cruiser 80 4.2 D				01/90 -				
		KH 43,50 MT -1,60 GL 80,50	RTK	L 65,00 Ø 29,00		2,00 913 NIT S 2,00 911 CR 4,00 947 EX NIT S		
TNR		7197540000 5000				7997300000		
VE		6				1		
11	94,00 mm							
Land Cruiser 80 4.2 TD (HDJ80)				01/90 - 12/97				
		KH 49,70 MT -17,10 GL 80,70	RTK	L 73,00 Ø 33,00		2,00 913 NIT S 2,00 911 CR 4,00 947 EX NIT S		
TNR		7197550000 5000				7997300000		
VE		6				1		
12	95,00 mm							
Dyna 200 3.0 D (BU6*,70,8*,9*)				08/88 - 02/97				
Dyna 200 3.0 D (BU7*,8*,9*)				08/88 - 04/95				
Dyna 3.0 D (BU6*,7*,8*,9*)				08/88 - 04/95				
		KH 55,40 MT -20,30 GL 90,40	RTK	L 72,00 Ø 32,00		2,50 913 NIT S 2,00 911 CR 4,00 947 EX NIT S		
TNR		7197570000 5000				7997310000		
VE		4				1		
13	96,00 mm							
Dyna 150 2.8 D				09/88 - 06/95				
		KH 42,30 VT1 -0,15 MT -2,00 GL 80,30	RTK	L 74,00 Ø 29,00		2,00 913 NIT S 2,00 911 CR 4,00 947 EX NIT S		
TNR		7197580000 5000				7997180000		
VE		4				1		

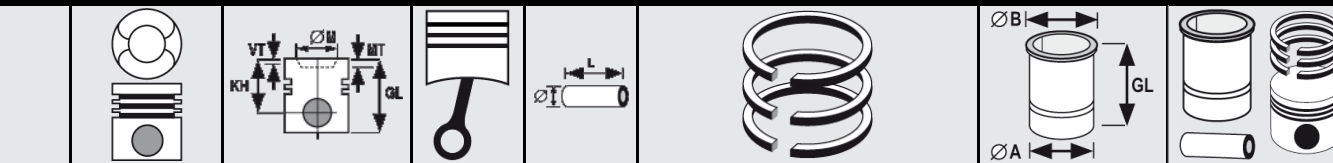
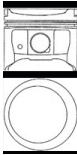
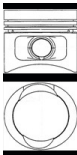
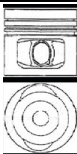
							
14	96,00 mm						
	Fortuner 3.0 D-4D (GGN50,60,KUN5*,6*,LAN50,TGN51,61)		01/05 -	Land Cruiser 3.0 D-4D (KDJ9*,KZJ9*,VZJ9*)		04/96 - 08/02	
	Hilux Surf 3.0 D-4D (GGN15,25,35,KUN1*,2*,3*,LAN15,25,35,TGN1*,26,36)		08/04 -	Land Cruiser Prado 3.0 D-4D (GRJ12*,KDJ12*)		09/02 - 07/09	
	Hilux Surf 3.0 D-4D (GRN215,KDN215,RZN21*,TRN21*,VZN21*)		11/02 - 07/09	Land Cruiser Prado 3.0 D-4D (GRJ12*,KDJ12*,RZJ12*,TRJ12*,VZJ12*)		09/02 - 07/09	
	Hilux Surf 3.0 D-4D (KDN185,KZN185,RZN18*,VZN18*)		11/95 - 10/02	Land Cruiser Prado 3.0 D-4D (KDJ9*,KZJ9*,RZJ9*,VZJ9*)		04/96 - 10/02	
		KH 49,60 MT -17,70 GL 77,60	KKK RTK LOX	L 73,00 Ø 34,00		2,00 913 CR S 1,50 911 NIT S 3,00 947 EX NIT S	
TNR		7197620000 5000				7997450000	
VE		4				1	
		KH 49,65 MT -16,10 GL 78,50	KKK RTK	L 73,00 Ø 34,00		2,00 913 CR S 1,50 911 NIT S 3,00 947 EX NIT S	
TNR		7197630000 5000				7997450000	
VE		4				1	
15	99,50 mm						
	Crown Comfort 3.0 D (LXS1*,TSS10,YXS1*)		01/96 -	Hilux 3.0 D (LN200,RN8*,90,125,RZN200,YN8*,9*,LN8*,90)		08/88 - 11/04	
	Dyna 3.0 D (KDY22*,23*,25*,26*,LY2**)		07/01 -	Hilux / 4-Runner 3.0 D (LN,RN,YN,VZN10*,11*,13*,KZN,LN205)		08/88 - 11/04	
	Dyna 150 3.0 D (LY21*,YY211)		05/95 - 09/01	Hilux 3.0 D (GGN15,25,35,KUN1*,2*,3*,LAN15,25,35,TGN1*,26,36)		07/11 -	
	Fortuner 3.0 D (GGN50,60,KUN5*,6*,LAN50,TGN51,61)		01/05 -	Hilux 3.0 D (GGN15,25,35,KUN1*,2*,3*,LAN15,25,35,TGN1*,26,36)		08/04 -	
	Fortuner 3.0 D (GGN50,60,KUN5*,6*,LAN50,TGN51,61)		07/11 -	Hilux 3.0 D (KZN165,190,KDN,LN,RZN,YN,VZN14*,15*,16*,17*,19*)		08/97 - 02/06	
	Hiace 3.0 D (KDH2**,LH2**,TRH2*)		01/05 -	Land Cruiser Prado 3.0 D (GRJ150,KDJ150,LJ150,TRJ15*)		08/09 -	
	Hiace 3.0 D (LH1**,RZH10*,11*,125,135,15*)		08/89 - 01/06	Land Cruiser Prado 3.0 D (GRJ12*,KDJ120,KZJ120,LJ12*,RZJ12*,TRJ12*)		09/02 - 02/10	
		KH 42,30 VT1 -0,90 MT -2,20 GL 80,30	KKK RTK	L 74,00 Ø 29,00		2,00 913 NIT S 1,50 931 NIT S 4,00 947 EX NIT S	
TNR		7197590000 5000				7997470000	
VE		4				1	

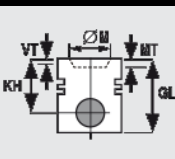
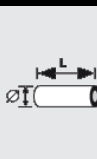
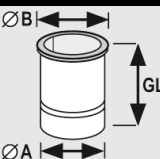
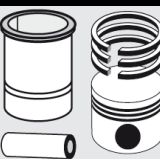
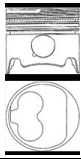
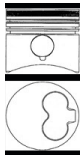
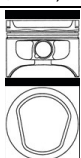
									
16	102,00 mm								
Coaster 3.7 D (BB4*,5*,BZB40,50,HZB50,RZB40,50,TRB40,50,XZB40,5*)			01/93 -		Dyna 200 3.7 D (BU6*,70,8*,9*)			08/88 - 02/97	
Coaster 3.7 D (RB2*,BB2*,3*,HB3*,FB30,HDB30,HZB30)			05/82 - 12/92		Dyna 200 3.7 D (BU7*,8*,9*)			08/88 - 04/95	
Coaster 3.7 D (RB2*,BB2*,3*,HB3*,HZB3*,HDB20,3*)			05/82 - 12/92		Dyna 3.7 D (BU6*,7*,8*,9*)			08/88 - 04/95	
Dyna 200 3.7 D (BU10*,11*,14*,21*,22*,YU210,RZU100)			05/95 - 11/03						
		KH 51,80 MT -18,70 GL 86,90	RTK	L 72,00 Ø 32,00		2,50 913 NIT S 2,00 911 CR 4,00 947 EX NIT S			
TNR		7197330000 5000				7997330000			
VE		4				1			

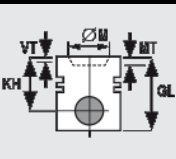
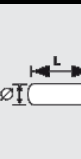
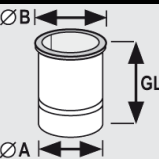
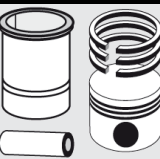
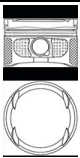
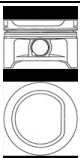
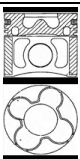
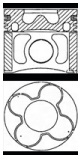
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1F	B	4	81,00	77,40	1595	20
1G	D	6	76,50	86,40	2383	4
1P	B	4	81,00	86,40	1781	19
1S	D	6	76,50	86,40	2383	5
1V	D	4	76,50	86,40	1589	4
1X	D	4	79,50	95,50	1896	10
1Y	D	4	79,50	95,50	1896	10
2G	B	4	75,00	72,00	1272	2
2H	B	4	81,00	86,40	1781	19
AAB	D	5	79,50	95,50	2370	10
AAV	B	4	75,00	72,00	1272	2
AAZ	D	4	79,50	95,50	1896	11
ABD	B	4	75,00	78,70	1390	3
ABL	D	4	79,50	95,50	1896	11
ABN	B	4	81,00	77,40	1595	20
ABS	B	4	81,00	86,40	1781	19
ACL	D	6	76,50	86,40	2383	4
ACV	D	5	81,00	95,50	2461	17
ADP	B	4	81,00	77,40	1595	21
ADZ	B	4	81,00	86,40	1781	19
AEA	B	4	76,50	86,90	1598	7
AEE	B	4	76,50	86,90	1598	7
AEF	D	4	79,50	95,50	1896	10
AEG	B	4	82,50	92,80	1984	23
AEH	B	4	81,00	77,40	1595	21
AEK	B	4	81,00	77,40	1595	21
AER	B	4	67,10	70,60	999	1
AEX	B	4	76,50	75,60	1390	8
AEY	D	4	79,50	95,50	1896	14
AFB	D	6	78,30	86,40	2496	9
AFT	B	4	81,00	77,40	1595	21
AGD	D	4	79,50	95,50	1896	14
AGP	D	4	79,50	95,50	1896	15
AGX	D	5	81,00	95,50	2461	17
AHD	D	5	81,00	95,50	2461	17
AHL	B	4	81,00	77,40	1595	21
AHW	B	4	76,50	75,60	1390	6
AHY	D	5	81,00	95,50	2461	17
AJA	D	5	79,50	95,50	2370	10
AJM	D	4	79,50	95,50	1896	12
AJT	D	5	81,00	95,50	2461	17
AKL	B	4	81,00	77,40	1595	21
AKN	D	6	78,30	86,40	2496	9
AKS	B	4	81,00	77,40	1595	21
AKV	B	4	76,50	75,60	1390	8
ALL	B	4	67,10	70,60	999	1
ALM	B	4	76,50	86,90	1598	7
AMF	D	3	79,50	95,50	1422	13
ANJ	D	5	81,00	95,50	2461	17
ANX	B	4	76,50	75,60	1390	8
APA	D	5	81,00	95,50	2461	17
APE	B	4	76,50	75,60	1390	6
APF	B	4	81,00	77,40	1595	21
APK	B	4	82,50	92,80	1984	23

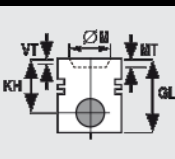
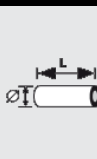
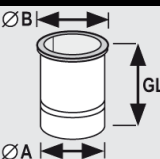
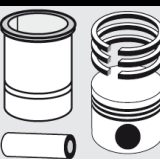
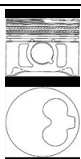
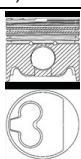
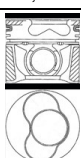
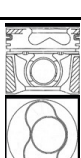
					ccm	Pos.
APQ	B	4	76,50	75,60	1390	8
AQM	D	4	79,50	95,50	1896	15
AQY	B	4	82,50	92,80	1984	23
ARL	D	4	79,50	95,50	1896	16
ARM	B	4	81,00	77,40	1595	21
ASX	D	4	79,50	95,50	1896	14
ASZ	D	4	79,50	95,50	1896	16
ATJ	D	4	79,50	95,50	1896	12
AUA	B	4	76,50	75,60	1390	6
AUF	D	5	81,00	95,50	2461	17
AUR	B	4	81,00	77,40	1595	21
AUY	D	4	79,50	95,50	1896	12
AVF	D	4	79,50	95,50	1896	16
AWH	B	4	81,00	77,40	1595	21
AWX	D	4	79,50	95,50	1896	16
AXB	D	4	79,50	95,50	1896	16
AXC	D	4	79,50	95,50	1896	16
AXD	D	5	81,00	95,50	2461	18
AXE	D	5	81,00	95,50	2461	18
AXG	D	5	81,00	95,50	2461	17
AXL	D	5	81,00	95,50	2461	17
AXP	B	4	76,50	75,60	1390	6
AYC	D	5	81,00	95,50	2461	17
AYQ	D	4	79,50	95,50	1896	15
AYY	D	5	81,00	95,50	2461	17
BAC	D	5	81,00	95,50	2461	18
BAY	D	3	79,50	95,50	1422	13
BBE	D	5	81,00	95,50	2461	17
BBF	D	5	81,00	95,50	2461	17
BBY	B	4	76,50	75,60	1390	6
BCA	B	4	76,50	75,60	1390	6
BLJ	D	5	81,00	95,50	2461	18
BLK	D	5	81,00	95,50	2461	18
BLT	D	4	79,50	95,50	1896	16
BMM	D	4	81,00	95,50	1968	22
BMP	D	4	81,00	95,50	1968	22
CR	D	4	76,50	86,40	1588	5
CS	D	4	76,50	86,40	1588	5
CY	D	4	76,50	86,40	1588	4
DT	B	4	81,00	77,40	1595	20
DV	D	6	76,50	86,40	2383	4
DW	D	6	76,50	86,40	2383	5
DX	B	4	81,00	86,40	1781	19
DZ	B	4	81,00	86,40	1781	19
EV	B	4	81,00	86,40	1781	19
EW	B	4	81,00	77,40	1595	20
EZ	B	4	81,00	77,40	1595	20
GU	B	4	81,00	86,40	1781	19
GX	B	4	81,00	86,40	1781	19
GZ	B	4	81,00	86,40	1781	19
HN	B	4	81,00	77,40	1595	20
JH	B	4	81,00	86,40	1781	19
JK	D	4	76,50	86,40	1588	5
JP	D	4	76,50	86,40	1588	5

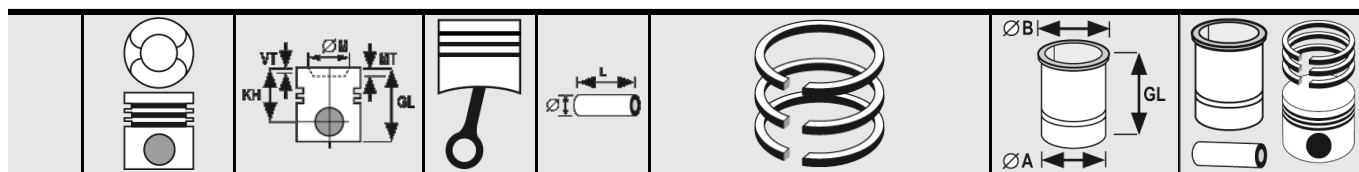
					ccm	Pos.
JR	D	4	76,50	86,40	1589	4
JX	D	4	76,50	86,40	1589	4
MH	B	4	75,00	72,00	1272	2
PB	B	4	81,00	86,40	1781	19
PF	B	4	81,00	86,40	1781	19
PN	B	4	81,00	77,40	1595	20
RA	D	4	76,50	86,40	1589	4
RE	B	4	81,00	77,40	1595	20
RF	B	4	81,00	77,40	1595	20
RH	B	4	81,00	86,40	1781	19
RL	B	4	81,00	77,40	1595	20
RV	B	4	81,00	86,40	1781	19
SB	D	4	76,50	86,40	1589	4

								
1 67,10 mm								
Lupo (6X1, 6E1) 1.0				09/98 - 07/05				
Polo (6N1) 1.0				09/96 - 10/99				
		KH 31,27 MT -5,65 GL 51,27	HKÜ	L 45,00 Ø 17,00		1,00 910 CR S 1,20 931 P 2,00 777 CR S		
TNR		7150830000 5000				8950790000		
VE		4				1		
2 75,00 mm								
Golf II (19E, 1G1) 1.3				08/83 - 12/92				
Jetta II (19E, 1G2, 165) 1.3				01/84 - 12/91				
Polo (86C, 86CF, 80) 1.3				08/83 - 09/94				
		KH 42,87 VT1 -1,70 VT2 -1,70 MT -16,60 GL 69,87	HKÜ	L 54,00 Ø 20,00		1,75 910 IF CR S 2,00 931 FE 3,00 777 CR S		
TNR		7150050000 5000				8950350000		
VE		4				1		
3 75,00 mm								
Golf III (1H1, 1H5) 1.4				10/91 - 04/99				
Vento (1H2) 1.4				11/91 - 09/98				
		KH 34,52 VT1 -1,65 MT -15,20 GL 52,02	HKÜ	L 48,00 Ø 17,00		1,50 910 IF CR S 1,50 911 FE 2,50 777 CR S		
TNR		7150060000 5000				8950010000		
VE		4				1		

							
4 76,50 mm							
Golf I (17) 1.6 TD		03/82 - 07/83		Passat (32B) 1.6 TD		04/82 - 03/88	
Golf II (19E, 1G1) 1.6 TD		08/83 - 10/91		Passat (3A2, 35I) 1.6 TD		08/88 - 09/93	
Jetta I (15) 1.6 TD		03/82 - 02/84		Passat Variant (3A5, 35I) 1.6 TD		08/88 - 09/93	
Jetta II (19E, 1G2, 165) 1.60 TD		01/84 - 10/91		Santana (32B) 1.6 TD		12/81 - 12/84	
LT 28-35 I Bus 2.4 TD		12/82 - 06/96		Transporter T3 1.6 TD (Syncro)		03/86 - 07/92	
LT 40-55 2.4 TD		08/78 - 06/96					
		KH 41,70 MT -1,60 GL 71,70	RTK TPL LOX HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150010000 5000 1000				8950320000	
VE		1				1	
5 76,50 mm							
Caddy I (14) 1.6 D		08/82 - 07/92		LT 28-35 I (281-363) 2.4 D		12/78 - 02/91	
Golf (17) 1.6 D		08/80 - 07/83		LT 40-55 I (291-512) 2.4 D		12/78 - 03/86	
Golf II (19E, 1G1) 1.6 D		08/83 - 10/91		Passat (32B, 33) 1.6 D		02/79 - 03/88	
Jetta (16) 1.6 D		08/80 - 02/84		Santana (32B) 1.6 D		08/81 - 12/84	
Jetta II (19E, 1G2, 165) 1.6 D		01/84 - 10/91		Transporter T3 1.6 D		01/81 - 07/87	
		KH 41,70 MT -1,60 GL 71,70	RTK	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150320000 5000				8950320000	
VE		1				1	
6 76,50 mm							
Bora (1J2, 1J6) 1.4 16V		03/00 - 05/05		New Beetle (9C1, 1C1, 1Y7) 1.4		11/01 -	
Caddy II (9K9A, 9K9B) 1.4 16V		08/00 - 01/04		Polo (6N2) 1.4 16V		10/99 - 09/01	
Caddy III 1.4		03/04 - 05/06		Polo (9N_) 1.4 16V		10/01 - 05/08	
Golf IV (1J1, 1J5) 1.4 16V		08/97 - 06/06		Polo Classic (6KV2) 1.4 16V		10/99 - 09/01	
Golf PLUS (5M1, 521) 1.4 16V		01/05 -		Polo Stufenheck (9A4) 1.4		07/03 -	
Golf V (1K1) 1.4 16V		10/03 - 05/06		Polo Variant (6KV5) 1.6		10/99 - 09/01	
Lupo (6X1, 6E1) 1.4 16V		09/98 - 07/05					
		KH 29,00 VT1 -2,20 VT2 -2,20 MT -2,00 GL 50,00	HKÜ	L 54,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150770000 5000				8950770000	
VE		4				1	

							
7	76,50 mm						
	Caddy II (9K9A, 9K9B, 9U7) 1.6		09/92 - 12/97		Polo (6N1) 75 1.6		10/94 - 10/99
	Golf III (1H1, 1H5) 1.6		09/92 - 12/97		Polo (6N1, 6KV2, 6KV5) 1.6		10/94 - 09/01
	Polo (6KV2, 6KV5) 1.6		11/95 - 09/01		Vento (1H2) 1.6		09/92 - 09/98
		KH 30,90 MT -7,80 GL 60,20	HKÜ	L 52,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150780000 5000				8950770000	
VE		4				1	
8	76,50 mm						
	Caddy II (9K9A, 9K9B) 1.4		11/95 - 01/04		Polo (6N2, 6KV2) 1.4		01/98 - 09/01
	Golf III (1H1, 1H5) 1.4		10/91 - 04/99		Vento (1H2) 1.4		11/91 - 09/98
	Polo (6N1, 6NF, 6KV2, 6KV5) 1.4		07/95 - 09/01				
		KH 28,35 MT -5,95 GL 50,35	HKÜ	L 52,00 Ø 17,00		1,20 910 IF CR S 1,50 931 P 2,50 777 CR S	
TNR		7150790000 5000				8950770000	
VE		4				1	
9	78,30 mm						
	Passat (3B2) 2.5 TDI (syncro/4-motion)		07/98 - 11/00				
	Passat (3B3) 2.5 TDI (4-motion)		11/00 - 05/05				
	Passat Variant (3B5) 2.5 TDI (syncro/4-motion)		07/98 - 11/00				
	Passat Variant (3B6) 2.5 TDI (4-motion)		11/00 - 05/05				
		KH 47,83 VT1 -1,38 VT2 -1,38 MT -16,50 GL 71,83	KKK RTK HKÜ	L 65,50 Ø 26,00		1,75 910 CR S 2,00 911 IF U P 3,00 947 EX CR	
TNR		7150860000 5000 für Zyl. 1+2+3				8950860000	
VE		1				1	
		KH 47,83 VT1 -1,38 VT2 -1,38 MT -16,50 GL 71,83	KKK RTK HKÜ	L 65,50 Ø 26,00		1,75 910 CR S 2,00 911 IF U P 3,00 947 EX CR	
TNR		7150870000 5000 für Zyl. 4+5+6				8950860000	
VE		1				1	

							
10	79,50 mm						
Caddy II Kasten (9K9A, 9K9B) 1.9 D		11/95 - 01/04		Transporter T4 2.4 D		07/90 - 09/98	
Caddy II Pick-up (9U7) 1.9 D		06/96 - 12/00		Transporter T4 1.9 D		07/90 - 12/95	
Golf III (1H1, 1H5) 1.9 D		11/91 - 04/99		Transporter T4 2.4 D		08/97 - 04/03	
Passat (3A2, 3A5, 35I) 1.9 D		05/89 - 10/93		Vento (1H2) 1.9 D		11/91 - 09/98	
Polo (6N1, 6NF, 6N2) 1.9 D		10/94 - 09/01					
		KH 39,65 MT -1,90 GL 65,70	RTK HKÜ	L 64,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150020000 5000 1000				8950480000	
VE		1				1	
11	79,50 mm						
Golf III (1H1, 1H5) 1.9 TD, GTD		11/91 - 04/99					
Passat (3A2, 3A5, 35I) 1.9 TD		03/91 - 05/97					
Transporter T4 1.9 TD		10/92 - 04/03					
Vento (1H2) 1.9 TD		11/91 - 09/98					
		KH 45,65 MT -1,90 GL 71,70	RTK LOX HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150030000 5000 1000				8950480000	
VE		4				1	
12	79,50 mm						
Bora (1J2, 1J6) 1.9 TDI		12/98 - 06/01					
Golf IV (1J1, 1J5) 1.9 TDI		12/98 - 06/01					
Passat (3B2, 3B5) 1.9 TDI		08/98 - 11/00					
Sharan (7M8, 7M9, 7M6) 1.9 TDI		04/00 - 03/10					
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150070000 5000 1000 für Zyl. 1+2				8950480000	
VE		1				1	
		KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR	
TNR		7150080000 5000 1000 für Zyl. 3+4				8950480000	
VE		1				1	

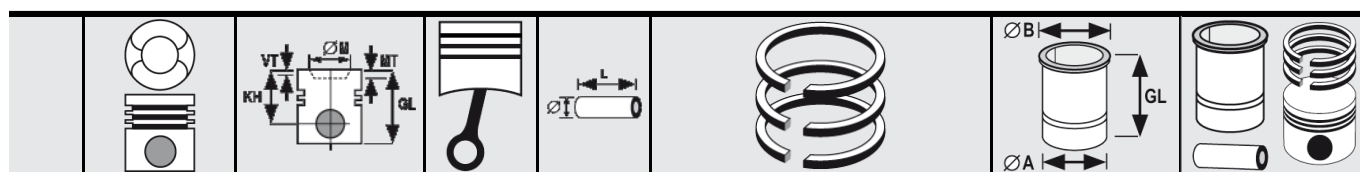


13	79,50 mm						
Lupo (6X1, 6E1) 1.4 TDI							01/99 - 07/05
Polo (6N2) 1.4 TDI							10/99 - 09/01
Polo (9A4) 1.4 TDI							07/03 -
Polo (9N_) 1.4 TDI							10/01 - 06/05

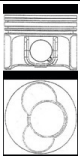
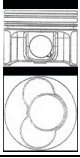
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150090000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,65 GL 69,80	RTK TPL KBB HKÜ	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150100000 5000 1000 für Zyl. 3				8950480000		
VE		1				1		

14	79,50 mm			
Caddy II (K9KA, K9KB) 1.9 SDI	11/95 - 01/04	Polo (6N2) 1.9 SDI	10/99 - 09/01	
Golf III (1H1, 1H5) 1.9 SDI	07/95 - 04/99	Polo (6NF, 6N1, 6N2) 1.9 SDI	07/96 - 09/01	
Polo (6KV2, 6KV5) 1.9 SDI	12/95 - 09/01	Vento (1H2) 1.9 SDI	04/97 - 09/98	

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,75 GL 71,80	RTK KBB	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150110000 5000 1000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,75 GL 71,80	RTK KBB	L 63,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150120000 5000 1000 für Zyl. 3+4				8950480000		
VE		1				1		

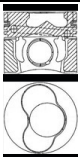
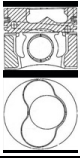
**15 79,50 mm**

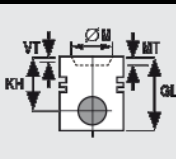
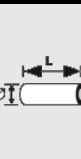
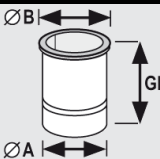
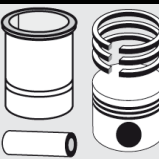
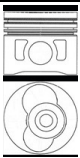
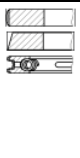
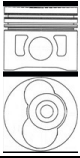
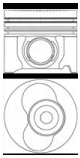
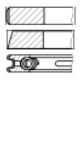
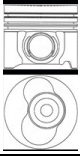
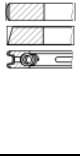
Bora (1J2) 1.9 SDI	10/98 - 05/05
Caddy II (9K9A, 9K9B) 1.9 SDI	11/95 - 01/04
Golf IV (1J1, 1J5) 1.9 SDI	08/97 - 06/06
Polo (6KV2, 6KV5) 1.9 SDI	08/99 - 09/01

		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150130000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 39,80 MT -17,75 GL 60,80		L 59,00 Ø 24,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150140000 5000 für Zyl. 3+4				8950480000		
VE		1				1		

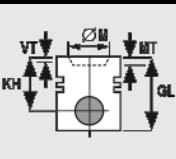
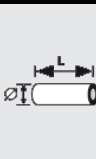
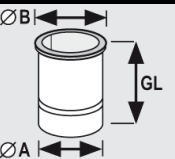
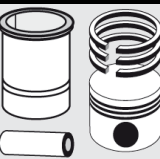
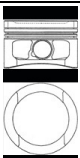
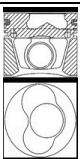
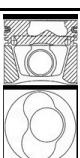
16 79,50 mm

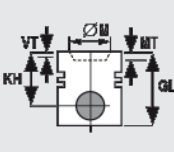
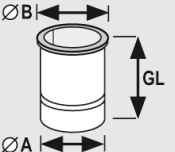
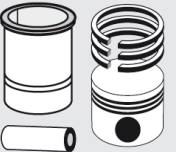
Bora (1J2, 1J6) 1.9 TDI	05/00 - 05/05	Multivan T5/Transporter T5	04/03 - 11/09
Bora (1J2, 1J6) 1.9 TDI 4motion	11/00 - 05/05	Passat (3B3, 3B6) 1.9 TDI 4motion	11/00 - 05/05
Golf IV (1J1, 1J5) 1.9 TDI	02/00 - 06/05	Polo (9N_) 1.9 TDI	11/03 - 11/09
Golf IV (1J1, 1J5) 1.9 TDI 4motion	11/00 - 06/06	Sharan (7M8, 7M9, 7M6) 1.9 TDI	11/02 - 03/10

		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150480000 5000 für Zyl. 1+2				8950480000		
VE		1				1		
		KH 45,80 VT1 -1,10 VT2 -1,10 MT -17,50 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
TNR		7150490000 5000 für Zyl. 3+4				8950480000		
VE		1				1		

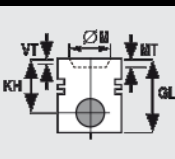
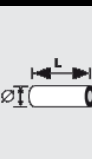
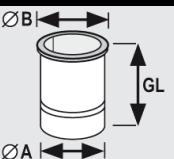
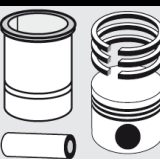
							
17	81,00 mm						
LT 28-35 II 2.5 SDI		07/96 - 07/06		LT 28-35 II 2.5 TDI		05/99 - 07/06	
LT 28-35 II 2.5 TDI		05/01 - 07/06		Transporter T4 2.5 TDI		05/98 - 04/03	
LT 28-35 II 2.5 TDI		05/96 - 08/99		Transporter T4 2.5 TDI		09/95 - 04/03	
		KH 45,75 VT1 -1,35 VT2 -1,35 MT -17,20 GL 69,75	RTK KBB HKÜ	L 68,00 Ø 26,00		2,50 910 CR 2,00 911 P 3,00 947 EX CR	
TNR		7150150000 5000 für Zyl. 1+2				8950410000	
VE		1				1	
		KH 45,75 VT1 -1,35 VT2 -1,35 MT -17,20 GL 69,75	RTK KBB HKÜ	L 68,00 Ø 26,00		2,50 910 CR 2,00 911 P 3,00 947 EX CR	
TNR		7150160000 5000 für Zyl. 3+4+5				8950410000	
VE		1				1	
18	81,00 mm						
Multivan/Transporter T5 2.5 TDI		04/03 - 11/09					
Multivan/Transporter T5 2.5 TDI		11/03 - 11/09					
Touareg 2.5 TDI		01/03 - 05/10					
Touareg 2.5 TDI		08/03 - 05/10					
		KH 45,75 VT1 -1,50 VT2 -1,50 MT -18,20 GL 69,75	KKK RTK TPL KBB	L 68,00 Ø 26,00		2,50 910 CR 2,00 911 P 3,00 947 EX CR	
TNR		7150170000 5000 für Zyl. 1+2				8950410000	
VE		1				1	
		KH 45,75 VT1 -1,50 VT2 -1,50 MT -18,20 GL 69,75	KKK RTK TPL KBB	L 68,00 Ø 26,00		2,50 910 CR 2,00 911 P 3,00 947 EX CR	
TNR		7150180000 5000 für Zyl. 3+4+5				8950410000	
VE		1				1	

225

							
21	81,00 mm						
	Bora (1J2, 1J6) 1.6			10/98 - 05/05	Passat (3A2, 3A5, 35I) 1.6		07/94 - 08/96
	Golf III (1H1, 1H5, 1E7) 1.6			07/94 - 04/99	Passat (3B2, 3B5) 1.6		10/96 - 11/00
	Golf IV (1J1, 1J5) 1.6			08/97 - 05/04	Polo (6KV2, 6KV5) 1.6		12/95 - 09/01
	Golf IV Cabriolet (1E7) 1.6			06/98 - 06/02	Vento (1H2) 1.6		10/94 - 09/98
	New Beetle (9C1, 1C19) 1.6			10/99 - 09/00			
		KH 32,00 MT -2,30 BÜ 0,70 GL 53,70	HKÜ	L 57,00 Ø 20,00		1,20 910 IF NIT S 1,50 931 P 2,00 777 NIT S	
TNR		7150750000 5000				8950750000	
VE		4				1	
22	81,00 mm						
	Caddy III 2.0 TDI			09/07 - 08/10	Golf VI (AJ5) 2.0 TDI		07/09 -
	Eos (1F7, 1F8) 2.0 TDI			06/06 - 05/08	Jetta III (1K2)		10/05 - 10/10
	Golf Plus (5M1, 521) 2.0 TDI			12/05 - 05/09	Passat (3C2, 3C5) 2.0 TDI 4motion		03/05 -
	Golf V (1K1, 1K5) 2.0 TDI			08/04 -	Touran (1T1, 1T2) 2.0 TDI		12/05 - 05/10
		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150800000 5000 für Zyl. 1+2				8950800000	
VE		1				1	
		KH 45,80 VT1 -0,70 VT2 -0,70 MT -17,50 GL 68,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00		1,75 910 IF CR S 2,00 931 FE 3,00 947 EX CR	
TNR		7150810000 5000 für Zyl. 3+4				8950800000	
VE		1				1	

							
23	82,50 mm						
Bora (1J2, 1J6) 2.0			10/98 - 05/05				
Golf IV (1J1, 1J5) 2.0			07/98 - 06/06				
New Beetle (9C1, 1C1) 2.0			01/98 -				
		KH 29,30 MT -5,80 BÜ 0,70 GL 51,00		L 52,00 Ø 20,00		1,20 910 IF NIT S 1,50 911 IF FE 2,00 777 NIT S	
TNR		7150520000 5000				8950520000	
VE		4				1	

					ccm	Pos.
B4204S3	B	4	87,50	83,10	1999	1

							
1	87,50 mm						
C30 2.0			10/06 -		V50 (MW) 2.0		10/06 -
S40 II (MS) 2.0			10/06 -		V70 III 2.0		10/07 -
S80 II (AS) 2.0			01/08 -				
		KH 28,50 VT1 -0,35 GL 51,00		L 60,00 Ø 21,00		1,20 910 NIT S 1,20 931 P 2,50 777 CR S	
TNR		7121720000 5000				8921720000	
VE		4				1	

CROSSREFERENZEN



Globally reliable

NE-Teilenummer NE- part number Numero reference de NE Numero de referencia NE	KS	MAHLE	FM	OE-Teilenummer OE- part number OE- numero de reference OE- numero de referencia	OEM
7110010000	94 760 600	001 26 00	-	A 166 030 32 17	MERCEDES
7110020000	-	003 22 00	-	A 166 030 35 17	MERCEDES
7110030000	97 482 600	004 59 00	-	A 646 030 01 17	MERCEDES
7110040000	-	-	87-428700-00	A 646 030 08 17	MERCEDES
7110250000	93 444 600	002 49 00	87-176700-00	A 616 030 64 17	MERCEDES
7110480000	94 819 700	002 30 00	87-743600-00	A 606 030 06 17	MERCEDES
7110490000	94 820 700	001 02 00	-	A 605 030 04 17	MERCEDES
7110500000	94 330 600	002 93 00	87-743600-10	A 601 030 22 17 / A 601 030 21 17	MERCEDES
7110590000	94 823 700	001 01 00	87-743100-00	A 602 030 10 17	MERCEDES
7110600000	91 372 600	002 24 00	87-743100-10	A 601 030 18 17	MERCEDES
7110610000	40 109 600	001 04 00	87-743100-30	A 604 030 04 17	MERCEDES
7110630000	-	001 33 00	87-743100-40	A 603 030 21 17	MERCEDES
7110810000	99 455 600	003 94 00	87-136700-00	-	SMART
7110890000	97 409 600	004 57 00	87-117900-00	A 611 030 11 17	MERCEDES
7110910000	-	001 36 00	87-117900-10	A 611 030 06 17	MERCEDES
7110920000	-	004 56 00	87-117900-20	A 611 030 14 17	MERCEDES
7110960000	94 597 600	003 95 00	87-140600-00	-	SMART
7111000000	93 844 700	031 82 00	87-152700-00	-	CITROEN
7111420000	99 877 600	040 01 00	87-104000-00	0628.J2 / 9569145088	CITROEN / FIAT / PEUGEOT
7112510000	-	-	-	-	SMART
7112520000	99 927 600	-	87-427100-00	-	SMART
7112730000	-	-	-	A 132 030 04 17	SMART
7114010000	-	-	-	96239399 / 96286490	CHEVROLET / DAEWOO
7114020000	-	-	-	96389106	CHEVROLET / DAEWOO
7114050000	-	-	-	96335640	CHEVROLET / DAEWOO
7114120000	-	-	-	96571302	CHEVROLET / DAEWOO
7120010000	-	009 87 00	-	500352562	FIAT
7120020000	93 378 700	007 98 00	87-214500-00	7302290	FIAT
7120030000	94 327 700	007 04 00	-	2991860	IVECO
7120040000	94 726 600	009 90 00	87-122200-00	500365851	FIAT
7120050000	94 526 600	009 50 00	87-854700-00	500340853	FIAT
7120840000	94 870 700	009 41 00	-	55210390	FIAT
7120850000	-	009 70 00	87-138400-30	71736111	FIAT
7120980000	40 218 600	010 15 00	87-124000-30	71718118	FIAT
7121530000	99 963 600	-	-	1364105 / 5M5Q-6102-AA	FORD
7121620000	99 456 600	015 68 00	87-429400-00	-	FORD
7121660000	40 174 600	015 70 00	87-140800-10	1201216 / 1349797 / 3S7Q-6K100-DAA	FORD / JAGUAR

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NE-Teilenummer NE- part number Numero reference de NE Numero de referencia NE	KS	MAHLE	FM	OE-Teilenummer OE- part number OE- numero de reference OE- numero de referencia	OEM
7124490000	-	-	-	23140-42610	HYUNDAI / KIA
7124500000	-	-	-	23410-42640	HYUNDAI / KIA
7124510000	-	681 11 00	-	23410-42701	HYUNDAI
7124520000	-	-	87-435400-00	23410-22410	HYUNDAI
7124530000	-	-	-	23410-26101	HYUNDAI
7124540000	-	-	-	23410-02460	HYUNDAI
7124550000	-	-	-	23410-02610 / 23410-02710	HYUNDAI
7124560000	-	-	-	23410-27930	HYUNDAI
7124570000	-	-	-	23410-22360	HYUNDAI
7124580000	-	-	-	23410-23710	HYUNDAI
7124600000	-	-	-	23410-26111	HYUNDAI
7135260000	97 286 600	011 06 00	-	6 23 210 / 90348428	OPEL
7135280000	93 868 600	011 26 00	87-306300-00	6 23 912 / 90006965	OPEL
7135340000	90 252 600	011 63 00	87-307200-00	6 23 067 / 90271295	OPEL
7135350000	90 245 600	-	87-306800-40	6 23 464 / 90510199	OPEL
7135360000	97 332 600	011 73 00	-	6 23 056 / 9120473	OPEL
7135380000	90 555 605	011 08 00	-	6 23 180 / 90297083	OPEL
7135390000	90 556 605	011 10 00	87-306900-10	6 23 169 / 90295883	OPEL
7135410000	99 438 600	011 70 00	87-307700-10	6 23 655 / 90486580	OPEL
7135470000	40 382 600	012 01 00	87-102700-00	6 23 530 / 24402736	OPEL
7135490000	99 741 601	012 02 00	-	56 23 219 / 55353395	OPEL
7135510000	40 380 600	012 12 00	87-125600-00	56 23 195 / 13101859	OPEL
7135560000	40 384 600	012 18 00	-	56 23 232 / 55355077	OPEL
7135570000	40 385 600	012 22 00	-	56 23 239 / 55355080	OPEL
7135580000	40 386 600	012 19 00	-	56 23 229 / 55355068	OPEL
7135590000	40 388 600	012 21 00	-	56 23 242 / 55556753	OPEL
7135640000	40 213 600	010 04 00	87-137600-00	6 23 576 / 93192650	OPEL
7138020000	94 532 600	021 03 00	-	7701 471 158	RENAULT
7138030000	94 531 600 / 94 530 600	021 01 00	-	7701 465 981	RENAULT
7138060000	93 695 700	021 75 10	-	7700 743 329	RENAULT
7138070000	91 650 600	021 34 00	-	7701 454 136	RENAULT
7138090000	93 696 600	021 78 10	87-333500-00	7701 458 697	RENAULT
7138180000	93 697 600	021 79 00	87-334300-00	7700 636 594	RENAULT
7138290000	40 070 600	021 93 10	87-336500-10	7700 110 924	RENAULT
7138300000	90 436 600	021 84 00 / 022 11 00	89-337000-00	7701 463 646	RENAULT
7138310000	92 006 800	021 93 10 / 021 93 00	87-336500-00	7700 105 906 / 77 00 105 733	RENAULT
7138390000	99 646 600	022 04 00	-	7701 474 305	RENAULT
7138400000	99 746 600	022 06 00	87-104200-30	7701 474 854	RENAULT
7138410000	40 015 600	022 05 00	-	7701 474 903	RENAULT
7138420000	99 780 600	022 09 00	87-422300-00	7701 474 884	RENAULT
7138430000	99 561 600	021 58 00	87-101500-00	7701 472 833	RENAULT

NE-Teilenummer NE- part number Numero reference de NE Numero de referencia NE	KS	MAHLE	FM	OE-Teilenummer OE- part number OE- numero de referencia OE- numero de referencia	OEM
7138440000	40 190 600	022 01 00	87-123400-10	7701 475 077 / 120A12761R	RENAULT
7138450000	40 465 600	022 21 00	87-123400-00	7701 475 898 / 7701 474 084	RENAULT
7138490000	99 433 600	-	87-127400-10	7701 473 484	RENAULT
7138510000	40 079 600	022 26 00	87-137500-10	7701 477 121 / 44 30 864 / 93161476	RENAULT / OPEL / NISSAN
7138620000	40 277 600	022 27 00	87-104200-40	6001 549 030 / 6001 549 028	RENAULT
7138630000	40 306 600	022 02 00	-	7701 700 667	RENAULT
7138640000	40 311 600	022 03 00	-	7701 700 671	RENAULT
7137030000	91 388 600	039 60 00	-	95 647 609 80	PEUGEOT
7137040000	91 518 700	039 33 00	-	-	PEUGEOT
7137060000	91 390 600	039 59 00	87-154300-00	0114.L7	PEUGEOT
7137070000	93 316 700	039 53 00	-	-	PEUGEOT
7137120000	91 520 700	039 32 00	-	-	PEUGEOT
7137140000	93 625 600	039 51 00	87-318700-10	0627.05 / 0623.62	PEUGEOT
7137150000	93 520 600	039 50 00	-	-	PEUGEOT
7137170000	93 846 800	039 76 00	-	-	PEUGEOT
7137210000	93 272 600	039 69 00	-	-	PEUGEOT
7137220000	93 784 700	039 78 00	87-321500-10	-	PEUGEOT
7137230000	93 648 700	039 24 00	87-152000-10	0628.F6	PEUGEOT
7137250000	94 351 700	039 68 00	-	0111.AL	PEUGEOT / CITROEN
7137260000	94 642 700	039 01 00	87-325800-00	0627.38 / 0627.39 / 0627.40	PEUGEOT
7137330000	90 063 700	039 43 00	87-334400-00	-	PEUGEOT
7137380000	94 356 700	039 64 00	87-154400-00	-	PEUGEOT
7137440000	94 786 700	039 96 00	87-105500-00	0628.J5 / 9564441888	PEUGEOT / FIAT
7137490000	99 879 601	039 99 00	87-114700-00	0628.N3	PEUGEOT
7137520000	40 161 600	040 04 00	87-139400-00	0628.N0	PEUGEOT
7137530000	-	-	-	-	PEUGEOT
7137540000	-	040 18 00	87-426300-00	0111.AR	PEUGEOT
7137550000	-	040 02 00	87-138900-30	0111.AT / 9463384780	PEUGEOT / FIAT
7137560000	40 469 600	040 03 00	87-135300-00	0628.N7	PEUGEOT
7137580000	40 179 600	040 06 00	-	0628.V1 / 11 25 7 806 772	PEUGEOT / MINI
7150010000	90 732 600	029 79 00	87-109800-10	068 107 065 AT	VW
7150020000	91 386 600	029 82 00	-	028 107 065 CF	VW
7150030000	91 429 600	029 96 00	87-990100-10	028 107 065 CC	VW
7150050000	93 896 600	029 73 00	-	030 107 065 D	VW
7150060000	92 228 600	029 98 00	-	030 107 065 R / 030 107 065 BA	VW
7150070000	99 842 600	030 56 00	-	038 107 065 CA / 038 107 065 CC	VW

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NE-Teilenummer NE- part number Numero reference de NE Numero de referencia NE	KS	MAHLE	FM	OE-Teilenummer OE- part number OE- numero de reference OE- numero de referencia	OEM
7150110000	94 427 700	030 40 00	87-114900-60	028 107 065 BS / 028 107 065 BT	VW
7150120000	94 428 700	030 41 00	87-114900-70	028 107 065 CA / 028 107 065 CB	VW
7150130000	40 092 700	030 80 00	87-114900-20	038 107 065 CK	VW
7150140000	40 093 700	030 81 00	87-114900-30	038 107 065 CL	VW
7150150000	99 742 700	030 58 00	87-501500-00	074 107 065 E	VW
7150160000	99 743 700	030 59 00	87-501500-10	074 107 065 F	VW
7150170000	-	030 97 00	-	070 107 065 AK	VW
7150180000	-	030 98 00	-	070 107 065 AL	VW
7150320000	93 260 600	029 55 00	87-109500-00	068 107 065 BA	VW
7150370000	93 928 600	034 75 00	-	026 107 065 R	VW
7150380000	93 872 600	034 76 00	87-109700-20	026 107 065 M	VW
7150480000	99 470 600	030 86 00	87-114900-25	038 107 065 EL / 038 107 065 FQ / 038 107 065 EN / 038 107 065 GL / 1250610 / 3M21-6102-AA	VW / FORD
7150490000	99 471 600	030 87 00	87-114900-35	038 107 065 EM / 038 107 065 FR / 038 107 065 EP / 038 107 065 GM / 1250612 / 3M21-6102-CA	VW / FORD
7150520000	99 870 600	030 60 00	-	06A 107 065 G / 06A 107 065 BG	VW
7150750000	94 503 700	033 01 00	-	050 107 065 E	VW
7150770000	-	030 89 00	-	036 107 065 AT	VW
7150780000	94 553 600	030 42 00	87-502800-10	032 107 065 N	VW
7150790000	-	030 32 00	-	030 107 065 BK	VW
7150800000	40 408 600	028 06 00	87-139500-10	038 107 065 KJ / 038 107 065 KL	VW
7150810000	40 409 600	028 07 00	87-139500-20	038 107 065 KK / 038 107 065 KM	VW
7150830000	99 679 600	030 52 00	87-101300-00	030 107 065 CM	VW
7150860000	99 776 600	033 40 00	-	059 107 066 E	VW
7150870000	99 777 600	033 41 00	-	059 107 065 Q	VW
7153500000	-	-	-	23410-4A900	KIA
7153510000	-	-	-	0K6Z1-11SA0	KIA
7153550000	-	-	-	23410-2X300	KIA
7180000000	-	-	-	8-97043-772-0	ISUZU
7180010000	-	-	-	8-94152-711-0	ISUZU
7180020000	-	-	87-248000-30	8-94177-183-0	ISUZU
7185000000	-	-	-	F605-23-200	MAZDA
7185130000	-	-	-	MB3H7-11-102	MAZDA
7186560000	-	-	-	-	MAZDA
7187660000	-	-	-	MD371686	MITSUBISHI

NE-Teilenummer NE- part number Numero reference de NE Numero de referencia NE	KS	MAHLE	FM	OE-Teilenummer OE- part number OE- numero de reference OE- numero de referencia	OEM
7188020000	-	-	-	-	MITSUBISHI
7188060000	-	-	-	MD103318	MITSUBISHI
7188070000	-	-	87-287100-30	-	MITSUBISHI
7188080000	-	-	-	-	MITSUBISHI
7191000000	-	-	-	A2010-VK50A	NISSAN
7191010000	-	-	-	12010-69T05	NISSAN
7191030000	90 817 800	-	-	12010-17A02	NISSAN
7191310000	-	-	-	A2010-ES60A / A2010-ES61A / A2010-ES62A	NISSAN
7191480000	94 806 600	-	-	12010-57J00	NISSAN
7191910000	-	-	-	A2010-EC00B / A2010-EC01B / A2010-EC02B	NISSAN
7194130000	-	-	87-960200-00	-	SUZUKI
7194150000	-	643 03 00	-	12111-78400	SUZUKI
7196010000	-	-	-	0628.W3 / 0628.R8 / 13101-40030	PEUGEOT / TOYOTA
7196820000	-	-	-	13101-11090	TOYOTA
7196860000	-	607 80 00	-	13101-21040	TOYOTA
7197420000	-	-	-	13101-30030	TOYOTA
7197500000	90 739 700	-	87-373800-00	13101-54060	TOYOTA
7197510000	94 756 600	-	87-373800-10	13101-54070	TOYOTA
7197520000	-	-	-	13101-54030	TOYOTA
7197530000	-	-	-	13101-54090	TOYOTA
7197540000	-	-	-	13101-17010	TOYOTA
7197550000	-	-	87-529500-30	13101-17060	TOYOTA
7197570000	-	-	-	13101-56060	TOYOTA
7197580000	-	-	87-528800-00	13101-54100	TOYOTA
7197590000	-	-	-	13101-54120	TOYOTA
7197600000	-	-	-	13103-64141	TOYOTA
7197620000	-	-	-	-	TOYOTA
7197630000	40 296 600	-	-	13101-30060	TOYOTA
7187820000	40 054 600	-	-	ME200688	MITSUBISHI
7191580000	-	-	-	-	NISSAN
7191650000	40 060 600	640 57 00	-	A2010-7F406	NISSAN
7197330000	-	-	-	13101-58040	TOYOTA

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