



Globally reliable

# NEWSLETTER P7



## Hints to the use of this newsletter

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 18 / 19. Names, descriptions, reference numbers 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 16949:2016 and ISO 9001:2015. So you may always rely on our service and the quality of our products.

## Oversize marking

<b>code</b>	<b>oversize</b>	<b>code</b>	<b>oversize</b>
00	STD	21	0,50 mm
01	.001	22	.020
02	0,05 mm	23	0,60 mm
03	.002	24	0,65 mm
04	0,06 mm	25	0,70 mm
05	.0025	26	0,75 mm
06	.003	27	.030
07	0,08 mm	28	0,80 mm
08	0,10 mm	29	1,00 mm
09	0,12 mm	30	.040
10	0,125 mm	31	1,25 mm
11	.005	32	.050
12	0,15 mm	33	1,50 mm
13	.0075	34	.060
14	0,20 mm	35	2,00 mm
15	0,25 mm	99	Semi
16	.010		
17	0,30 mm		
18	0,35 mm		
19	.015		
20	0,40 mm		

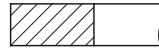
## Numerical code part number / order number

	<b>old</b>		<b>new</b>
Cylinder/Liner	70	→	<b>131</b>
Piston	71	→	<b>130</b>
Assembly	72	→	<b>132</b>
Piston ring sets	79	→	<b>121</b>
Piston ring sets	89	→	<b>120</b>

## Types and cross sections of piston rings

### 910

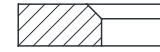
Rectangular ring



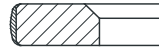
910



910 CR



910 IF



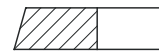
910 IF CR



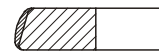
910 IW CR

### 911

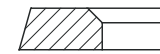
Taper faced ring



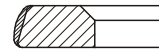
911



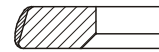
911 CR



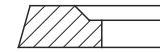
911 IF



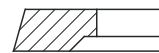
911 IF CR



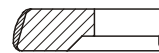
911 IF U CR



911 IW



911 IW U



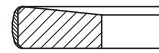
911 IW U CR



911 IF U

### 913

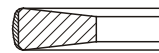
Half keystone ring



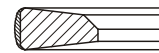
913 CR

### 914

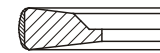
Double keystone ring  
7° angle



914 CR



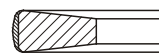
914 IF CR



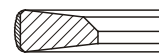
914 IW CR

### 916

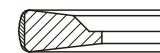
Double keystone ring  
3° angle



916 CR



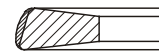
916 IF CR



916 IW CR

### 917

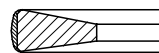
Taper faced double  
keystone ring 7° angle



917 CR

### 922

Double keystone ring  
7°/ 3° angle



922

### 930

Napier ring



930



930 IF

### 931

Taper faced napier ring



931

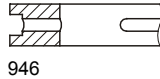


931 ES



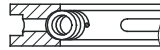
931 ES IW U

**946**  
Slotted oil control ring



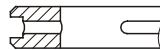
946

**946 EX**  
Slotted oil control ring with spiral expander



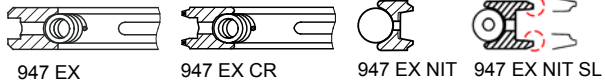
946 EX

**947**  
Double-bevelled oil control ring



947

**947 EX**  
Double-bevelled oil control ring with spiral expander



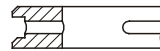
947 EX

947 EX CR

947 EX NIT

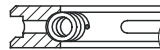
947 EX NIT SL

**948**  
Double-bevelled oil control ring



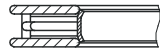
948

**948 EX**  
Double-bevelled oil control ring with spiral expander

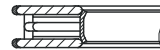


948 EX

**777**  
Three piece steel-rail oil control ring



777 NIT



777 CR

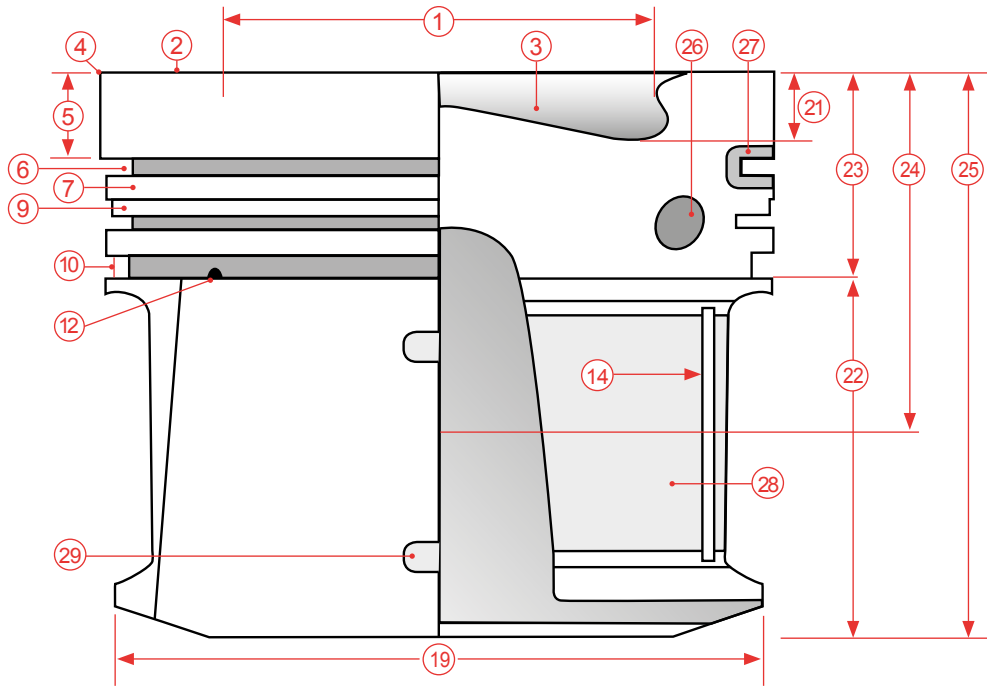
## Ring denominations

<b>IF</b>	inner bevel	<b>IF U</b>	inner bevel bottom side	<b>ES</b>	interrupted gap
<b>IW</b>	inner cut	<b>IW U</b>	inner cut bottom side		

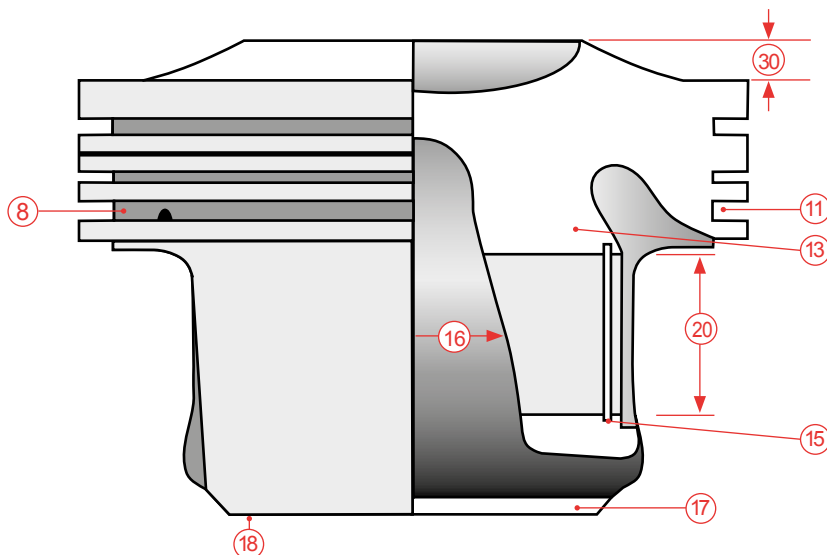
## Coatings and surface treatments

<b>CR</b>	periphery chrome-plated	<b>P</b>	phosphated
<b>MO</b>	periphery molybdenum-plated	<b>SN</b>	tin-plated
<b>PL</b>	periphery plasma spray-coated	<b>IN</b>	coilspring and interior of oilring chrome-plated
<b>NIT</b>	nitrited	<b>FS</b>	joint with side notch
<b>TF</b>	periphery teflon-coated	<b>PVD</b>	physical vapour deposition
<b>4CR</b>	all sides chrome-plated	<b>CDS</b>	chrome-diamond-coating
<b>3CR</b>	periphery not chrome-plated other sides chrome-plated	<b>CKS</b>	chrome-ceramic-coating
<b>FE</b>	ferroxided	<b>DLC</b>	diamond-like carbon coating
<b>FX</b>	periphery with ferrox insert		

## 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<br>against the piston pin bore | 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 newsletter correctly

### Catalogue part

At the beginning of the relevant engine manufacturer, you may find the piston article number(s) matching to your engine code and vehicle model.







An additional note in the information column is facilitated you the exact identification of the item number(s).

The position number is assorted in an alphanumeric ascending order according to the bore diameter of the engine and leads you to the correct product data on the next chapter.



Globally reliable

**CITROËN**

engine manufacturer	model	year	bore	NE-number	order of positions information					
										
ccm	power	number of cylinders	power	units in packing	dimension					
Info	Pos	Info	Pos	Info	Pos					
NFU (TU5JP4)	1587	4	80 KW 109 PS	Berlingo 1.6 16V C2 1.6 C3 1.6 16V C3 Plunel 1.6 C4 1.6 16V Xsara 1.6 16V Xsara Picasso 1.6 16V	10/00 - 09/03 - 02/02 - 05/03 - 11/04 - 09/00 - 09/05 09/05 -	78,50	130 037 0025 00	4	STD	15
NFX (TU5JP4)	1587	4	87 KW 118 PS	Saxo 1.6 (VTS)	02/96 - 04/04	78,50	130 037 0025 00	4	STD	15
NFZ (TU5JP)	1587	4	65 KW 88 PS	SAXO (S0, S1) 1.6 SAXO (S0, S1) 1.6 VTL,VTR	02/96 - 08/03 05/96 - 08/03	78,50	130 037 0030 00	4	STD	16
NFZ (TU5JP)	1587	4	65 KW 88 PS	XSARA (N1) 1.6 i	04/97 - 09/00	78,50	130 037 0030 00	4	STD	17
NFZ (TU5JP)	1587	4	65 KW 88 PS	XSARA Break (N2) 1.6 i	10/97 - 09/00	78,50	130 037 0030 00	4	STD	17
LFW	1761	4	68 PS 73 KW 99 PS	Ulysee 1.8 (220.BB5)	05/97 - 08/02	83,00	130 037 0014 00	4	STD	11

Orga-No. = Organisation number (see service book of vehicle)  
VET-No. = VET-Number (see identification plate on engine)

# INTRODUCTION


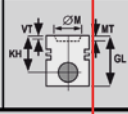



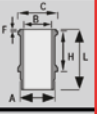



## Product data

According to the position number from the catalog part, you may find here the technical data and descriptions of all relevant article numbers.

**Piston data (mm)**  
 KH = compression height  
 MT = bowl depth  
 VT = valve pocket depth  
 M-Ø = bowl diameter  
 GL = total length

**Piston pin (mm)**  
 L = length  
 Ø = diameter

**Cylinder / Liner (mm)**  
 A = fitting diameter  
 B = bore diameter  
 C = flange diameter  
 H = flange height  
 L = overall length  
 F = firelip height


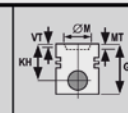

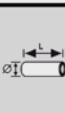

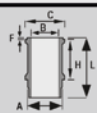



						
<b>8</b>	<b>79,50 mm</b>					
	KH 45,80 VT1 -1,35 VT2 -1,35 MT -17,80 MØ 38,00 GL 69,80	KKK RTK TPL KBB HKÜ	L 66,00 Ø 26,00	1,75 910 CR S 2,00 911 IF U 3,00 947 EX CR		
	130 050 0007 00 21 29	for Cyl. 1+2		120 050 0038 00		

**Piston image**

**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  
 NHA = Hard anodised groove

**Ringset**  
 surface treatment  
 height (mm)  
 cross sections

**Liner type**  
 dry  
 wet  
 aircooled

						
<b>1</b>	<b>70,00 mm</b>					
	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	B 70,00 C 89,80 A 79,50 L 122,00 H 85,00 wet	O-ring
	130 037 0001 00			120 037 0003 00	131 037 0001 00	132 037 0001 00

reference number of piston

reference number of cylinder / liner

reference number of piston ring set










reference number of assembly

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














Globally reliable

	ccm 								Info	Pos.
N47 D20 D	1985	4	157 KW 214 PS	D3 (E90) 2.0 Bi-Turbo D3 Coupe (E92) 2.0 Bi-Turbo D3 Kombi (E91) 2.0 Bi-Turbo	07/08 - 05/13 07/08 - 05/13 07/08 - 05/13	84,00	130 007 0005 00 21	4 4	STD 0,50	1
N54 B30 A	2979	6	265 KW 360 PS	B3 (E90) Bi-Turbo B3 Cabriolet (E93) BiTurbo B3 Coupe (E92) Bi-Turbo B3 Touring (E91) Bi-Turbo	09/07 - 12/09 09/07 - 12/09 09/07 - 12/09 09/07 - 12/09	84,00	130 007 0003 00 21	1 1	STD 0,50	3
N54 B30 A	2979	6	265-300 KW 360-408 PS	B3 (E90) S Bi-Turbo B3 Coupe (E92) S Bi-Turbo/ GT3 B3 Touring (E91) S Bi-Turbo	04/10 - 05/13 04/10 - 05/13 04/10 - 05/13	84,00	130 007 0004 00 21	1 1	STD 0,50	2

<b>1</b>	<b>84,00 mm</b>						
		KH 47,00 MT 15,25 MØ 47,50 GL 73,00	KKK RTK TPL	L 64,00 Ø 32,00		1,75 910 CKS 1,75 931 P 2,00 947 EX NIT S	
		<b>130 007 0005 00</b> 21				120 007 0049 00	
<b>2</b>	<b>84,00 mm</b>						
		KH 31,70 VT1 3,60 VT2 3,61 MT 6,10 MØ 62,20 GL 50,70	TPL NHA	L 53,00 Ø 22,00		1,20 910 NIT S 1,50 931 P 2,00 777 NIT S	
		<b>130 007 0004 00</b> 21				120 007 0045 00	
<b>3</b>	<b>84,00 mm</b>						
		KH 31,70 VT1 3,60 VT2 3,61 MT 6,10 MØ 62,20 GL 50,70	TPL NHA	L 53,00 Ø 22,00		1,50 910 NIT S 1,50 931 P 2,50 777 NIT S	
		<b>130 007 0003 00</b> 21				120 007 0038 00	

									Info	Pos.
N14 B16 A	1598	4	120-141 KW 163-192 PS	MINI (R56) Cooper S MINI (R56) John Cooper Works MINI Cabriolet (R57) Cooper S MINI CLUBMAN (R55) Cooper S MINI CLUBMAN (R55) John Cooper Works MINI Coupe (R58) Cooper S	03/10 - 11/13 11/07 - 11/13 10/07 - 06/15 10/07 - 06/14 11/07 - 06/14 12/10 - 04/15	77,00	130 037 0046 00 21	4 4	STD 0,50	1
N14 B16 AB	1598	4	120-141 KW 163-192 PS	MINI (R56) Cooper S MINI Cabriolet (R57) Cooper S MINI CLUBMAN (R55) Cooper S MINI CLUBMAN (R55) John Cooper Works	03/10 - 11/13 10/07 - 06/15 10/07 - 06/14 11/07 - 06/14	77,00	130 037 0046 00 21	4 4	STD 0,50	1
N20 B20 B	1997	4	120-145 KW 163-184 PS	2 Cabriolet (F23) 220 i 2 Coupe (F22, F87) 220 i 3 (F30, F80) 320 i 3 Gran Turismo (F34) 320 i 3 Touring (F31) 320 i 4 Cabriolet (F33, F83) 420 i 4 Coupe (F32, F82) 420 i 4 Gran Coupe (F36) 420 i 5 (F10) 520 i 5 Touring (F11) 520 i	04/14 - 06/21 10/13 - 06/21 03/12 - 07/12 11/12 - 06/16 11/12 - 06/15 07/14 - 02/16 11/13 - 02/16 03/14 - 02/16 09/11 - 10/16 10/10 - 02/17	84,00	130 007 0009 00	4	STD	7
N47 C20 A	1995	4	82-105 KW 112-143 PS	MINI (R56) Cooper D/SD MINI Cabriolet (R57) Cooper D/SD MINI CLUBMAN (R55) Cooper D/SD MINI CLUBVAN (R55) Cooper D MINI COUNTRYMAN (R60) Cooper D/SD/ ALL4 MINI Coupe (R58) Cooper SD MINI PACEMAN (R61) Cooper D/SD/ALL4 MINI Roadster (R59) Cooper SD	02/11 - 11/13 06/09 - 05/15 02/11 - 06/14 12/12 - 06/14 03/11 - 10/16 12/10 - 05/15 03/12 - 09/16 11/11 - 04/15	84,00	130 007 0008 00 21	1 1	STD 0,50	6
N47 D20 A	1995	4	85-145 KW 116-197 PS	1 (E81) 116d, 118d, 120d 1 (E87) 116d, 118d, 120d 1 Cabriolet (E88) 118d, 120d 1 Coupe (E82) 120 d 3 (E90) 318d, 320d 3 (E91) 318d, 320d 3 Cabriolet (E93) 320 d 3 Coupe (E92) 320 d 5 (E60) 520 d 5 (E61) 520 d X3 (E83) 2.0 sd	09/06 - 12/11 03/07 - 12/11 03/08 - 12/13 09/07 - 10/13 12/04 - 10/11 12/04 - 06/12 09/07 - 02/10 09/06 - 06/13 09/05 - 12/09 04/05 - 05/10 09/07 - 08/08	84,00	130 007 0007 00 21	1 1	STD 0,50	5
N47 D20 B	1995	4	150 KW 204 PS	1 (E81) 123 d 1 (E87) 123 d 1 Cabriolet (E88) 123 d 1 Coupe (E82) 123 d	03/07 - 12/13 03/07 - 03/11 09/08 - 12/13 10/07 - 09/13	84,00	130 007 0007 00 21	1 1	STD 0,50	5
N47 D20 C	1995	4	99-147 KW 90-200 PS	1 (E81) 116d, 118d, 120d 1 (E87) 116d, 118d, 120d 1 Cabriolet (E88) 118d, 120d 1 Coupe (E82) 118d, 120d 3 (E90) 316d, 318d, 320d 3 Cabriolet (E93) 320 d 3 Coupe (E92) 320d 3 Touring (E91) 316d, 318d, 320d 5 (E60) 520 d 5 (E61) 520 d X1 (E84) sDrive 16 d, sDrive 18 d, sDrive 20 d, xDrive 18 d, xDrive 20 d X3 (E83) xDrive 18 d, xDrive 20 d	09/06 - 12/11 03/07 - 12/11 03/08 - 12/13 09/07 - 10/13 12/04 - 12/11 01/08 - 03/10 09/06 - 06/13 02/07 - 06/12 09/05 - 12/09 04/05 - 05/10 03/09 - 06/15 09/08 - 08/10	84,00	130 007 0005 00 21	4 4	STD 0,50	2












BMW

Globally reliable


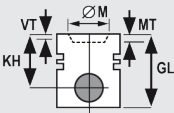



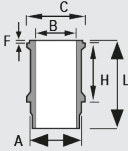
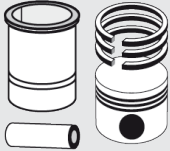

N47 D20 C	1995	4	66-147 KW 90-200 PS	1 (E81) 116d, 118d, 120d 1 (F20) 116d, 118d, 120d 1 (E87) 116d, 118d, 120d 1 (F21) 116d, 118d, 120d 1 Cabriolet (E88) 118d, 120d 1 Coupe (E82) 118d, 120d 2 Coupe (F22, F87) 218d, 220d 3 (E90) 316d, 318d, 320d 3 (F30, F80) 316d, 318d, 320d 3 Cabriolet (E93) 320d 3 Coupe (E92) 320d 3 Gran Turismo (F34) 318d, 320d 3 Touring (E91) 316d, 318d, 320d 3 Touring (F31) 316d, 318d, 320d 4 Cabriolet (F33, F83) 420 d 4 Coupe (F32, F82) 420d 4 Gran Coupe (F36) 418d, 420d 5 (E60) 520 d 5 (F10) 518d, 520d 5 Gran Turismo (F07) 520 d 5 Touring (E61) 520 d 5 Touring (F11) 518d, 520d X1 (E84) sDrive 16 d, sDrive 18 d, sDrive 20 d, xDrive 18 d, xDrive 20 d X3 (E83) xDrive 18 d, xDrive 20 d X3 (F25) sDrive 18 d, xDrive 20 d	09/06 - 12/11 07/11 - 06/19 03/07 - 12/11 12/11 - 06/19 03/08 - 12/13 09/07 - 10/13 10/12 - 09/20 12/04 - 12/11 11/11 - 10/18 09/07 - 12/13 09/06 - 06/13 03/13 - 06/15  06/05 - 06/12  07/12 - 06/19  10/13 - 07/20 07/13 - 06/20 03/14 - 12/20  09/05 - 12/09 06/10 - 10/16 04/11 - 02/17 04/05 - 05/10 06/10 - 02/17 03/09 - 06/15  09/08 - 08/10  09/10 - 08/17	84,00	130 007 0008 00 21	1 1	STD 0,50		6
N47 D20 C	1995	4	66-147 KW 90-200 PS	1 (E81) 116d, 118d, 120d 1 (E87) 116d, 118d, 120d 1 (F20) 116d, 118d, 120d 1 (F21) 116d, 118d, 120d 1 Cabriolet (E88) 118d, 120d 1 Coupe (E82) 118d, 120d 2 Coupe (F22, F87) 218d, 220d 3 (E90) 316d, 318d, 320d 3 (F30, F80) 316d, 318d, 320d 3 Cabriolet (E93) 320d 3 Coupe (E92) 320 d 3 Gran Turismo (F34) 318d, 320d 3 Touring (E91) 316d, 318d, 320d 3 Touring (F31) 316d, 318d, 320d 4 Cabriolet (F33, F83) 420 d 4 Coupe (F32, F82) 420d 4 Gran Coupe (F36) 418d, 420d 5 (E60) 520 d 5 (F10) 518d, 520d 5 Gran Turismo (F07) 520 d 5 Touring (E61) 520 d 5 Touring (F11) 518d, 520d X1 (E84) sDrive 16 d, sDrive 18 d, sDrive 20 d, xDrive 18 d, xDrive 20 d X3 (E83) xDrive 18 d, xDrive 20 d X3 (F25) sDrive 18 d, xDrive 20 d	09/06 - 12/11 03/07 - 12/11 07/11 - 06/19 12/11 - 06/19 03/08 - 12/13 09/07 - 10/13 10/12 - 09/20 12/04 - 12/11 11/11 - 10/18 09/07 - 12/13 09/06 - 06/13 03/13 - 06/15  02/07 - 06/12  07/12 - 06/19  10/13 - 07/20 07/13 - 06/20 03/14 - 12/20  09/05 - 12/09 06/10 - 10/16 04/11 - 02/17 04/05 - 05/10 06/10 - 02/17 03/09 - 06/15  09/08 - 08/10  09/10 - 08/17	84,00	130 007 0010 00 21	1 1	STD 0,50		8
N47 D20 D	1995	4	150 KW 204 PS	1 (E81) 123 d 1 (E87) 123 d 1 Cabriolet (E88) 123 d 1 Coupe (E82) 123 d X1 (E84) xDrive 23 d X1 (E84) xDrive 25 d	03/07 - 12/13 03/07 - 03/11 09/08 - 12/13 10/07 - 09/13 10/09 - 06/15 10/09 - 06/15	84,00	130 007 0005 00 21	4 4	STD 0,50	2	
N54 B30 A	2979	6	220-300 KW 299-408 PS	1 Cabriolet (E88) 135 i 1 Coupe (E82) 135 i / M 3 (E90) 335 i 3 Cabriolet (E93) 335 i 3 Coupe (E92) 335 i 3 Touring (E91) 335 i 7 (F01, F02, F03, F04) 740 i, Li X6 (E71, E72) xDrive 35 i Z4 Roadster (E89) sDrive 35 i / s	12/09 - 10/13 12/09 - 10/13 12/09 - 12/11 12/09 - 10/13 12/09 - 12/13 12/09 - 06/12 12/09 - 12/15 12/09 - 07/14 12/09 - 08/16	84,00	130 007 0004 00 21	1 1	STD 0,50	3	
N54 B30 A	2979	6	220-240 KW 299-326 PS	1 Cabriolet (E88) 135i 1 Coupe (E82) 135 3 (E90) 335 i 3 (E91) 335 i 3 (E92) 335 i 3 (E93) 335 i 5 (E60) 535 i 7 (F01, F02, F03, F04) 740 i, Li X6 (E71, E72) xDrive 35 i Z4 Roadster (E89) sDrive 35 i	03/08 - 12/09 10/07 - 12/09 03/06 - 09/12 09/06 - 12/09 06/06 - 12/09 05/06 - 12/09 04/06 - 12/09 09/08 - 12/09 01/08 - 12/09 02/09 - 12/09	84,00	130 007 0003 00 21	1 1	STD 0,50	4	










<b>1</b>	<b>77,00 mm</b>						
		KH 28,50 VT1 2,00 MT 3,75 MØ 34,80 BÜ 1,70 GL 50,70	TPL NHA	L 48,00 Ø 20,00		1,20 910 IF PVD S 1,50 931 P 2,00 947 EX CR	
		<b>130 037 0046 00</b> 21				120 037 0070 00	
<b>2</b>	<b>84,00 mm</b>						
		KH 47,00 MT 15,25 MØ 47,50 GL 73,00	KKK RTK TPL	L 64,00 Ø 32,00		1,75 910 CKS 1,75 931 P 2,00 947 EX NIT S	
		<b>130 007 0005 00</b> 21				120 007 0049 00	
<b>3</b>	<b>84,00 mm</b>						
		KH 31,70 VT1 3,60 VT2 3,61 MT 6,10 MØ 62,20 GL 50,70	TPL NHA	L 53,00 Ø 22,00		1,20 910 NIT S 1,50 931 P 2,00 777 NIT S	
		<b>130 007 0004 00</b> 21				120 007 0045 00	
<b>4</b>	<b>84,00 mm</b>						
		KH 31,70 VT1 3,60 VT2 3,61 MT 6,10 MØ 62,20 GL 50,70	TPL NHA	L 53,00 Ø 22,00		1,50 910 NIT S 1,50 931 P 2,50 777 NIT S	
		<b>130 007 0003 00</b> 21				120 007 0038 00	
<b>5</b>	<b>84,00 mm</b>						
		KH 47,00 MT 15,10 MØ 47,50 GL 73,00	KKK RTK TPL	L 64,00 Ø 32,00		1,75 910 CKS 1,75 931 P 2,00 947 EX NIT S	
		<b>130 007 0007 00</b> 21		Coated		120 007 0049 00	

<b>6</b>	<b>84,00 mm</b>						
		KH 42,00 MT 47,50 MØ 47,50 GL 66,00	KKK RTK TPL	L 62,00 Ø 28,00		1,75 910 CKS 1,75 931 P 2,00 947 EX NIT S	
		<b>130 007 0008 00</b> 21				120 007 0049 00	
<b>7</b>	<b>84,00 mm</b>						
		KH 32,40 VT1 3,70 VT2 3,70 MT 8,40 MØ 49,50 BÜ 4,15 GL 51,10	TPL LOX NHA	L 52,00 Ø 22,00		1,20 910 NIT S 1,50 931 P 2,00 777 NIT S	
		<b>130 007 0009 00</b>				120 007 0045 00	
<b>8</b>	<b>84,00 mm</b>						
		KH 47,00 MT 14,50 MØ 47,50 GL 73,00	KKK RTK TPL	L 64,00 Ø 32,00		1,75 910 CKS 1,75 931 P 2,00 947 EX NIT S	
		<b>130 007 0010 00</b> 21		Coated		120 007 0049 00	










	ccm 								Info	Pos.
LVL	1598 4	100 KW 136 PS	TRAX   TRACKER 1.6 D	11/14 - 12/15	79,70	130 035 0022 00 21	4 4	STD 0,50		1


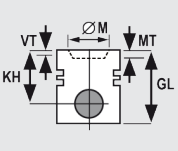



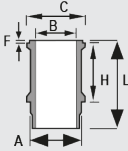
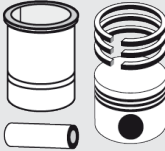













							
<b>1</b>	<b>79,70 mm</b>						
		KH 45,80 VT1 1,30 VT2 1,15 MT 13,50 MØ 45,00 GL 70,80	KKK RTK TPL	L 63,00 Ø 29,00			
		<b>130 035 0022 00</b> <b>21</b>					

	ccm									Info	Pos.
HNE (EB2ADTD)	1199	3	74 KW 100 PS	C4 III (BA_, BB_, BC_) C4 X (BD_, BE_, BF_) 1.2 PureTech 100	1.2 PureTech 100 - 04/21 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNK (EB2ADTD)	1199	3	74 KW 100 PS	C4 III (BA_, BB_, BC_)	1.2 PureTech 100 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNP (EB2ADT)	1199	3	81 KW 110 PS	BERLINGO (ER_, EC_) 1.2 PureTech 110 C3 AIRCROSS II (2R_, 2C_) 1.2 PureTech 110 C3 III (SX_) 1.2 THP 110 C4 CACTUS (0B_0P_) 1.2 THP 110	06/18 -  06/17 -  07/16 - 09/14 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNY (EB2DTS)	1199	3	96 KW 131 PS	C3 AIRCROSS II (2R_, 2C_) 1.2 PureTech 130 C4 CACTUS 1.2 PureTech 130 C4 GRAND PICASSO II (DA_, DE_) 1.2 THP 130 C4 II 1.2 THP 130 C4 PICASSO 1.2 THP 130 C4 SPACETOUREUR (3D_) 1.2 PureTech 130 DS4 (NX_) 1.2 THP 130 GRAND C4 SPACETOUREUR (3A_, 3E_) 1.2 PureTech 130	07/17 -  11/17 - 04/14 -  04/14 - 04/14 - 04/18 -  07/14 - 07/15 04/18 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNZ (EB2DT)	1199	3	81 KW 110 PS	BERLINGO 1.2 PureTech 110 C3 AIRCROSS II 1.2 PureTech 110 C3 II (SC_) 1.2 THP 110 C3 III (SX_) 1.2 PURETECH 110 C3 PICASSO (SH_) 1.2 THP 110 C4 CACTUS 1.2 THP 110 C4 II (NC_) 1.2 THP 110 C4 PICASSO II 1.2 THP 110 DS3 1.2 THP 110	02/16 - 06/17 -  10/14 - 09/16 07/16 - 01/15 - 12/15  09/14 - 02/15 - 12/17 04/16 - 10/14 - 07/15	75,00	130 037 0048 00 21	1 1	STD 0,50		1
5FR (EP6DT)	1598	4	115 KW 156 PS	DS3 (SA_) 1.6 THP 155	07/15 -	77,00	130 037 0046 00 21	4 4	STD 0,50		2
5FX (EP6DT)	1598	4	110 KW 150 PS	C4 Coupe (LA_) 1.6 THP 150 C4 GRAND PICASSO I (JA_) 1.6 16V C4 GRAND PICASSO II 1.6 THP 165 C4 I (LC_) 1.6 THP 150 C4 PICASSO II 1.6 THP 150 DS3 1.6 THP 150	07/08 - 07/11 10/08 - 08/13  07/14 -  07/08 - 07/11 09/14 - 01/10 - 07/15	77,00	130 037 0046 00 21	4 4	STD 0,50		2
4HA (DW12RUE)	2179	4	88 KW 120 PS	JUMPER II 2.2 BlueHDi 120	08/19 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60		3
4HB (DW12RUD), BNF (DW12RUD)	2179	4	103 KW 140 PS	JUMPER II 2.2 BlueHDi 140	08/19 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60		3
4HH (DW12RUC)	2179	4	121 KW 165 PS	JUMPER II 2.2 BlueHDi 165	08/19 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60		3










<b>1</b>	<b>75,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD	
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	
<b>2</b>	<b>77,00 mm</b>						
		KH 28,50 VT1 2,00 MT 3,75 MØ 34,80 BÜ 1,70 GL 50,70	TPL NHA	L 48,00 Ø 20,00		1,20 910 IF PVD S 1,50 931 P 2,00 947 EX CR	
		<b>130 037 0046 00</b> 21				120 037 0070 00	
<b>3</b>	<b>85,00 mm</b>						
		KH 35,60 MT 13,40 MØ 52,80 GL 55,60	KKK TPL	L 50,00 Ø 30,00		2,00 913 CDS 2,00 911 IF U 2,00 947 EX CKS	
		<b>130 037 0047 00</b> 23		Coated		120 037 0077 00	

	ccm 								Info	Pos.
HNK (EB2ADTD)	1199 3	74 KW 100 PS	DS 3 / DS 3 CROSSBACK (UR_, UC_, UJ_) 1.2 PureTech 100	10/18 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNP (EB2ADT)	1199 3	81 KW 110 PS	DS 3 (SA_) 1.2 THP 110 / PureTech 110 DS 3 Cabriolet (SB_) 1.2 THP 110	04/15 - 07/19 07/15 - 07/19	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNY (EB2DTS)	1199 3	86 KW 130 PS	DS 3 (SA_) 1.2 THP 130 DS 3 Cabriolet (SB_) 1.2 THP 130 DS 4 / DS 4 CROSSBACK (NX_) 1.2 THP 130	09/15 - 07/19 09/15 - 07/19 07/15 - 12/18	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNZ (EB2DT)	1199 3	81 KW 110 PS	DS 3 (SA_) 1.2 THP 110 / PureTech 11 DS 3 Cabriolet (SB_) 1.2 THP 110	04/15 - 07/19 07/15 - 07/19	75,00	130 037 0048 00 21	1 1	STD 0,50		1

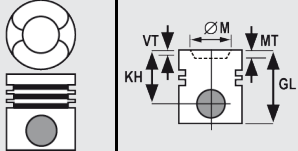
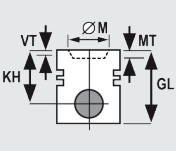



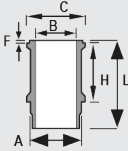
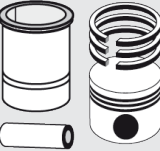


							
<b>1</b>	<b>75,00 mm</b>						
	KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD		
	130 037 0048 00 21 Coated 120 037 0078 00						










	ccm 								Info	Pos.
552 82 151	999	3	74-88 KW 100-120 PS	500X (334_) 1.0 TIPO (356_, 357_) 1.0	06/18 - 11/20 -	70,00	130 020 0014 00 20	1 1	STD 0,40	1
552 82 328	1332	4	110 KW 150 PS	500X (334_) 1.3	09/18 -	70,00	130 020 0014 00 20	1 1	STD 0,40	1
EB2ADT	1199	3	81 KW 110 PS	DOBLO (510_, 511_) PureTech 110	06/22 -	75,00	130 037 0048 00 21	1 1	STD 0,50	2
DW12RUD	2179	4	103 KW 140 PS	DUCATO (250_) 140 Multijet 2,2 D	04/23 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60	3

<b>1</b>	<b>70,00 mm</b>						
		KH 28,00 VT1 2,00 MT 3,40 MØ 45,00 GL 45,50	KKK TPL	L 46,00 Ø 18,00		1,20 910 NIT+DLC 1,20 931 P 2,00 777 NIT+DLC	
		<b>130 020 0014 00</b> 20				120 020 0061 00	
<b>2</b>	<b>75,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD	
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	
<b>3</b>	<b>85,00 mm</b>						
		KH 35,60 MT 13,40 MØ 52,80 GL 55,60	KKK TPL	L 50,00 Ø 30,00		2,00 913 CDS 2,00 911 IF U 2,00 947 EX CKS	
		<b>130 037 0047 00</b> 23		Coated		120 037 0077 00	










									Info	Pos.
BCCC	1995	4	140 KW 190 PS	EDGE 2.0 EcoBlue AWD GALAXY III 2.0 EcoBlue S-MAX 2.0 EcoBlue	08/18 - 07/18 - 07/18 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BCCD	1995	4	88 KW 120 PS	MONDEO V 2.0 EcoBlue	01/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BCFA	1995	4	136 KW 185 PS	TOURNEO CUSTOM 2.0 EcoBlue TRANSIT CUSTOM 2.0 EcoBlue	05/19 -  05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BCFB	1995	4	136 KW 185 PS	TOURNEO CUSTOM 2.0 EcoBlue TRANSIT CUSTOM 2.0 EcoBlue TRANSIT V363 (FCD, FDD, FED, FFD) 2.0 EcoBlue	05/19 -  05/19 -  05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BCFC	1995	4	136 KW 185 PS	TOURNEO CUSTOM V362 2.0 EcoBlue mHEV TRANSIT CUSTOM V362 2.0 EcoBlue mHEV	05/19 -  05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BCRA, BCRB	1995	4	136 KW 185 PS	TRANSIT V363 2.0 EcoBlue RWD	05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BJRA	1995	4	77 KW 105 PS	TRANSIT V363 2.0 EcoBlue RWD	03/16 - 04/19	84,00	130 021 0018 00 21	4 4	STD 0,50	1
BLFD	1995	4	125 KW 170 PS	TRANSIT CUSTOM V362 2.0 EcoBlue mHEV TRANSIT V363 2.0 EcoBlue mHEV	05/19 -  05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
P0FB	1995	4	110 KW 150 PS	TOURNEO CUSTOM V362 Bus 2.0 EcoBlue mHEV TRANSIT CUSTOM V362 Bus 2.0 EcoBlue mHEV TRANSIT V363 Bus 2.0 EcoBlue mHEV	01/22 - 12/23  01/22 - 12/23  10/21 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YLCB	1995	4	176 KW 240 PS	EDGE 2.0 EcoBlue AWD GALAXY III (CK) 2.0 EcoBlue Bi-Turbo S-MAX (CJ, WA6) 2.0 EcoBlue Bi-Turbo	08/18 - 07/18 -  07/18 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YLCC	1995	4	110 KW 150 PS	MONDEO V 2.0 EcoBlue	01/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YLDA	1995	4	110 KW 150 PS	FOCUS IV 2.0 EcoBlue	01/18 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YLR6	1995	4	77 KW 105 PS	TRANSIT V363 2.0 EcoBlue RWD	03/16 - 04/19	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YLRA	1995	4	77 KW 105 PS	TRANSIT V363 2.0 EcoBlue RWD	05/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YMCB	1995	4	110 KW 150 PS	EDGE 2.0 EcoBlue GALAXY III 2.0 EcoBlue S-MAX 2.0 EcoBlue	08/18 - 07/18 - 07/18 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YMCC	1995	4	140 KW 190 PS	MONDEO V 2.0 EcoBlue	01/19 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YMR6	1995	4	96 KW 130 PS	TRANSIT V363 2.0 EcoBlue 4x4 TRANSIT V363 2.0 EcoBlue RWD	01/14 -  03/16 - 04/19	84,00	130 021 0018 00 21	4 4	STD 0,50	1
YNCA	1995	4	88 KW 120 PS	GALAXY III 2.0 EcoBlue S-MAX 2.0 EcoBlue	07/18 - 07/18 -	84,00	130 021 0018 00 21	4 4	STD 0,50	1


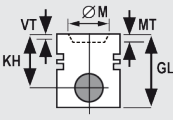



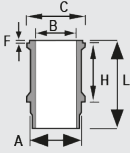
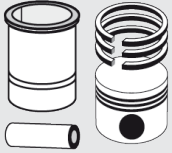













							
<b>1</b>	<b>84,00 mm</b>						
	KH 35,90 VT1 0,73 VT2 0,77 MT 14,60 MØ 50,00 GL 55,00	KKK TPL	L 52,50 Ø 30,00		2,00 910 IF CDS 2,00 911 IF U CR 2,00 947 EX CDS		
	<b>130 021 0018 00</b> <b>21</b>		Coated		120 021 0084 00		

	ccm 								Info	Pos.
D4FE	1598	4	70-100 KW 95-136 PS	i30 (PDE, PD, PDEN) 1.6 CRDi/ Hybrid i30 FASTBACK (PDE, PDEN) 1.6 CRDi/ Hybrid i30 Kombi (PDE) 1.6 CRDi/ Hybrid i40 I (VF) 1.6 CRDi i40 I CW (VF) 1.6 CRDi KONA (OS, OSE, OSI)   KAUAI 1.6 CRDi/ e-VGT/ Hybrid 48V TUCSON (NX4E, NX4A) 1.6 CRDi/ Hybrid 48V/HITRAC TUCSON (TL, TLE) 1.6 CRDi/ Hybrid 48V	08/18 - 09/18 - 08/18 - 07/18 - 05/19 07/18 - 05/19 08/18 - 08/21 11/20 - 08/18 - 12/20	77,00	130 087 0047 00 21	4 4	STD 0,50	2
G4FA	1396	4	64-80 KW 87-109 PS	ACCENT IV 1.4 AVANTE 1.4/ 1.4 LPG ELANTRA 1.4/ 1.4 LPG i20 I (PB, PBT) 1.4/ 1.4 LPG i30 (FD) 1.4/ 1.4 LPG i30 (GD) 1.4/ 1.4 LPG i30 Coupe 1.4 ix20 1.4	11/10 - 10/07 - 06/12 12/11 - 12/15 09/08 - 12/12 10/07 - 06/12 12/11 - 12/15 05/13 - 11/10 -	77,00	130 087 0046 00 21	4 4	STD 0,50	1
G4FA	1396	4	66-80 KW 90-109 PS	ACCENT IV 1.4 AVANTE 1.4/ 1.4 LPG ELANTRA 1.4/ 1.4 LPG i20 I (PB, PBT) 1.4/ 1.4 LPG i30 (FD) 1.4/ 1.4 LPG i30 (GD) 1.4/ 1.4 LPG i30 Coupe 1.4 ix20 1.4	11/10 - 10/07 - 06/12 12/11 - 12/15 09/08 - 12/12 10/07 - 06/12 12/11 - 12/15 05/13 - 11/10 -	77,00	130 087 0046 00 21	4 4	STD 0,50	1










<b>1</b>	<b>77,00 mm</b>										
		KH 26,90 VT1 4,50 BÜ 1,40 GL 45,30	TPL	L 52,00 Ø 0,00		1,20 910 CR S IF 1,20 931 FE 2,00 777 CR S					
		<b>130 087 0046 00</b> 21				121 087 0045 00					
<b>2</b>	<b>77,00 mm</b>										
		KH 39,50 VT1 1,80 VT2 1,10 MT 12,00 MØ 49,00 GL 64,50	KKK RTK TPL	L 55,00 Ø 25,00		1,50 910 NIT S PVD 1,50 930 IF P 2,00 947 EX NIT PVD SL					
		<b>130 087 0047 00</b> 21				121 087 0059 00					

	ccm 								Info	Pos.
DC 12.13	11705	6	279 KW 379 PS	CENTURY 380	03/06 - 12/09	127,00	130 139 0004 00	1	STD	1
DT 12.03	11705	6	345 KW 470 PS	CENTURY 470 PB 470	09/06 - 03/06 - 12/09	127,00	130 139 0004 00	1	STD	1
DT 12.17	11705	6	353 KW 480 PS	CENTURY 480 PB 480	03/06 - 12/09 07/08 -	127,00	130 139 0004 00	1	STD	1

							
<b>1</b>	<b>127,00 mm</b>						
		KH 85,21 MT 22,43 MØ 77,50 BÜ 77,50 GL 125,21	KKK TPL	L 106,00 Ø 54,00	 3,50 914 IW CKS 2,38 911 IW P 3,50 947 EX CR		
		<b>130 139 0004 00</b>			120 139 0016 00		










	ccm									Info	Pos.
552 82 151	999	3	84-88 KW 114-120 PS	RENEGADE (BU, B1, BV) 1.0 T-GDi	08/21 -	70,00	130 020 0014 00 20	1 1	STD 0,40		1
552 82 328	1332	4	96-132 KW 131-180 PS	COMMANDER (671_) 1.3 T-GDi COMPASS (MP, M6, MV, M7) 1.3 T-GDi RENEGADE (BU, B1, BV) 1.3 T-GDi	10/21 - 08/20 - 08/18 -	70,00	130 020 0014 00 20	1 1	STD 0,40		1
EB2ADTD	1199	3	74 KW 100 PS	AVENGER (J2) GSE T3	12/22 -	75,00	130 037 0048 00 21	1 1	STD 0,50		2


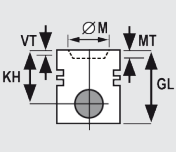



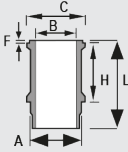
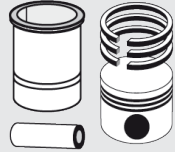








<b>1</b>	<b>70,00 mm</b>						
		KH 28,00 VT1 2,00 MT 3,40 MØ 45,00 GL 45,50	KKK TPL	L 46,00 Ø 18,00	 1,20 910 NIT+DLC 1,20 931 P 2,00 777 NIT+DLC		
		<b>130 020 0014 00</b> 20				120 020 0061 00	
<b>2</b>	<b>75,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50	 1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD		
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	

	ccm 								Info	Pos.
D4FE	1598	4	85-100 KW 116-136 PS	CEED (CD) 1.6 CRDi 115/ 136/ Eco-Dynamics+ CEED Combi Van (CD) CRDi 115/ 136 CEED Hatchback Van (CD) CRDi 115/ 136 CEED Sportswagon (CD) 1.6 CRDi 115/ 136/ Eco-Dynamic+ CERATO IV Stufenheck (BD, BDM)   GRAND CERATO 1.6 TCI OPTIMA (JF) 1.6 CRDi OPTIMA Sportswagon (JF) 1.6 CRDi PROCEED (CD) 1.6 CRDi 136/ Eco-Dynamics+ PROCEED Combi Van (CD) 1.6 CRDi 136 SPORTAGE IV (QL, QLE) 1.6 CRDi/ Eco-Dynamics+ SPORTAGE V (NQ5) 1.6 CRDi/ MHEV STONIC (YB) 1.6 CRDi XCEED (CD) 1.6 CRDi 115/ 1.6 CRDi 115/ 136/ Eco-Dynamics+	03/18 - 05/18 - 03/18 - 05/18 - 11/18 - 09/18 - 12/09 01/18 - 12/19 10/18 - 10/18 - 07/18 - 09/22 11/21 - 08/18 - 12/19 -	77,00	130 087 0047 00 21	4 4	STD 0,50	2
G4FA	1396	4	64-80 KW 87-109 PS	CEE'D (ED) 1.4 CEE'D (ED) 1.4 CVVT CEE'D (ED) 1.4 LPG CEE'D (JD) 1.4 CVVT CEE'D (JD) 1.4 LPG PRO CEE'D (ED) 1.4 PRO CEE'D (ED) 1.4 CVVT PRO CEE'D (JD) 1.4 CVVT RIO III 1.4 CVVT VENGA (YN) 1.4 CVVT VENGA (YN) 1.4 LPG	12/06 - 12/12 07/09 - 12/12 01/09 - 04/12 05/12 - 07/18 05/12 - 07/18 02/08 - 09/12 06/10 - 09/12 05/12 - 07/18 09/11 - 02/10 - 03/19 02/10 - 03/19	77,00	130 087 0046 00 21	4 4	STD 0,50	1



<b>1</b>	<b>77,00 mm</b>					
		KH 26,90 VT1 4,50 BÜ 1,40 GL 45,30	TPL	L 52,00 Ø 0,00	 1,20 910 CR S IF 1,20 931 FE 2,00 777 CR S	
		<b>130 087 0046 00</b> 21				121 087 0045 00
<b>2</b>	<b>77,00 mm</b>					
		KH 39,50 VT1 1,80 VT2 1,10 MT 12,00 MØ 49,00 GL 64,50	KKK RTK TPL	L 55,00 Ø 25,00	 1,50 910 NIT S PVD 1,50 930 IF P 2,00 947 EX NIT PVD SL	
		<b>130 087 0047 00</b> 21				121 087 0059 00

	ccm 								Info	Pos.
1VD-FTV	4461	8	195-200 KW 265-270 PS	LX (_J2_) 450d (VDJ201)	09/15 -	86,00	130 096 0054 00 21 1	1 STD 0,50	Einbauseite links	1
							130 096 0055 00 21 1	1 STD 0,50	Einbauseite rechts	

							
<b>1</b>	<b>86,00 mm</b>						
		KH 48,00 VT1 1,10 VT2 1,45 MT 13,90 MØ 51,80 GL 72,00	KKK RTK TPL	L 69,00 Ø 29,00	  	2,00 910 CR S 1,50 911 NIT S 2,00 947 EX NIT S	
		<b>130 096 0054 00</b> 21	Einbauseite links			121 096 0161 00	
		KH 48,00 VT1 1,45 VT2 1,10 MT 13,90 MØ 51,80 GL 72,00	KKK RTK TPL	L 69,00 Ø 29,00	  	2,00 910 CR S 1,50 911 NIT S 2,00 947 EX NIT S	
		<b>130 096 0055 00</b> 21	Einbauseite rechts			121 096 0161 00	



<b>1</b>	<b>75,00 mm</b>								
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD			
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00			
<b>2</b>	<b>79,70 mm</b>								
		KH 45,80 VT1 1,30 VT2 1,15 MT 13,50 MØ 45,00 GL 70,80	KKK RTK TPL	L 63,00 Ø 29,00					
		<b>130 035 0022 00</b> 21							
<b>3</b>	<b>79,70 mm</b>								
		KH 40,80 VT1 1,40 VT2 1,10 MT 13,50 MØ 45,00 GL 65,90	KKK RTK TPL	L 58,00 Ø 25,00					
		<b>130 035 0023 00</b>							
<b>4</b>	<b>85,00 mm</b>								
		KH 35,60 MT 13,40 MØ 52,80 GL 55,60	KKK TPL	L 50,00 Ø 30,00		2,00 913 CDS 2,00 911 IF U 2,00 947 EX CKS			
		<b>130 037 0047 00</b> 23		Coated		120 037 0077 00			

	ccm									Info	Pos.
HNK (EB2ADT)	1199	3	74 KW 100 PS	208 II (UB_, UP_, UW_, UJ_) 1.2 PureTech 100	06/19 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNK (EB2DTD)	1199	3	74 KW 100 PS	2008 II (UD_, US_, UY_, UJ_, UR_, UC_) 1.2 PureTech 100 208 II (UB_, UP_, UW_, UJ_) 1.2 PureTech 100	11/19 - 06/19 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNP (EB2ADT)	1199	3	81 KW 110 PS	2008 I 1.2 THP 110 / PureTech 110 208 I (CA_, CC_) 1.2 THP 110 308 II (LB_, LP_, LW_, LH_, L3_) 1.2 THP 110 308 SW II (LC_, LJ_, LR_, LX_, L4_) 1.2 THP 110 308 SW III (FC_, FJ_, FR_, F4_, FN_) PureTech 110 PARTNER (K9) 1.2 PureTech 110 RIFTER 1.2 PureTech 110	01/15 - 01/13 - 12/19 11/13 - 06/21 03/14 - 06/21 07/21 - 07/19 - 09/18 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNY (EB2DTS)	1199	3	96 KW 131 PS	2008 I (CU_) 1.2 THP 130 / PureTech 130 208 II (UB_, UP_, UW_, UJ_) 1.2 PureTech 130 3008 (OU_) 1.2 3008 (MC_, MR_, MJ_, M4_) 1.2 THP / PureTech 130 308 II (LB_, LP_, LW_, LH_, L3_) 1.2 THP 130 308 SW II (LC_, LJ_, LR_, LX_, L4_) 1.2 THP 130 5008 (OU_, OE_) 1.2 5008 II (MC_, MJ_, MR_, M4_) 1.2 THP	01/15 - 06/19 - 01/15 - 08/16 05/16 - 11/13 - 06/21 03/14 - 06/21 01/15 - 03/17 12/16 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
HNZ	1199	3	81 KW 110 PS	2008 I (CU_) 1.2 THP 110 / PureTech 110 208 I (CA_, CC_) 1.2 THP 110 308 II (LB_, LP_, LW_, LH_, L3_) 1.2 THP 110 308 SW II (LC_, LJ_, LR_, LX_, L4_) 1.2 THP 110 PARTNER TEPEE   GRAND RAID 1.2 THP	01/15 - 01/13 - 12/19 11/13 - 06/21 03/14 - 06/21 02/16 -	75,00	130 037 0048 00 21	1 1	STD 0,50		1
5FR (EP6DT)	1698	4	115 KW 156 PS	207 1.6 16V Turbo 207 CC 1.6 16V Turbo	10/09 - 12/12 10/09 - 12/13	77,00	130 037 0046 00 21	4 4	STD 0,50		2
5FX (EP6DT)	1598	4	110 KW 150 PS	207 1.6 16V Turbo 207 CC 1.6 16V Turbo 3008 1.6 THP 308 CC 1.6 16V 308 I 1.6 16V 5008 1.6 THP 150	02/06 - 10/13 02/07 - 12/12 06/09 - 08/16 06/09 - 12/14 09/07 - 10/14 02/12 - 03/17	77,00	130 037 0046 00 21	4 4	STD 0,50		2
5FY (EP6DTS)	1598	4	128 KW 174 PS	207 1.6 16V RC 308 I 1.6 16V	02/07 - 12/12 03/08 - 10/14	77,00	130 037 0046 00 21	4 4	STD 0,50		2
4HH (DW12RUC)	2179	4	121 KW 165 PS	BOXER 2.2 BlueHdi 165	07/19 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60		3

<b>1</b>	<b>75,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD	
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	
<b>2</b>	<b>77,00 mm</b>						
		KH 28,50 VT1 2,00 MT 3,75 MØ 34,80 BÜ 1,70 GL 50,70	TPL NHA	L 48,00 Ø 20,00		1,20 910 IF PVD S 1,50 931 P 2,00 947 EX CR	
		<b>130 037 0046 00</b> 21				120 037 0070 00	
<b>3</b>	<b>85,00 mm</b>						
		KH 35,60 MT 13,40 MØ 52,80 GL 55,60	KKK TPL	L 50,00 Ø 30,00		2,00 913 CDS 2,00 911 IF U 2,00 947 EX CKS	
		<b>130 037 0047 00</b> 23		Coated		120 037 0077 00	




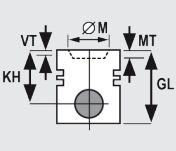



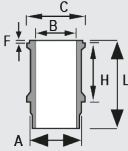
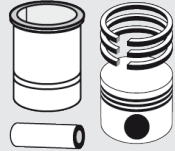




















# SCANIA

Globally reliable










	ccm									Info	Pos.
DC 13.116	12742	6	272 KW 370 PS	P,G,R,T - series G 370 P,G,R,T - series P 370 P,G,R,T - series R 370	09/12 - 05/19 09/13 - 05/19 09/12 - 05/19	130,00	130 139 0002 00	1	STD		2
DC 13.120	12742	6	294 KW 400 PS	P,G,R,T - series G 400 P,G,R,T - series P 400 P,G,R,T - series R 400	08/10 - 05/19 09/07 - 05/19 09/07 - 05/19	130,00	130 139 0002 00 130 139 0003 00	1 1	STD STD	For OE no. 2205022/2558603  For OE no. 2237184/2247271	3
DC 13.121	12742	6	324 KW 440 PS	OMNIEXPRESS 400 P,G,R,T - series G 440 P,G,R,T - series R 440	11/07 - 03/08 - 05/19 03/08 - 05/19	130,00	130 139 0002 00	1	STD		2
DC 13.124	12742	6	331 KW 450 PS	INTERLINK HD 450, LD 450, MD 450 K - series K 450 EB OMNIEXPRESS 450 P,G,R,T - series G 450 P,G,R,T - series P 450 P,G,R,T - series R 450 TOURING HD 121	10/15 -  09/12 - 09/12 - 09/12 - 05/19 09/12 - 05/19 09/12 - 05/19 11/14 -	130,00	130 139 0002 00	1	STD		2
DC 13.125	12742	6	360 KW 490 PS	INTERLINK HD 490, LD 490, MD 490 OMNIEXPRESS 490 P,G,R,T - series G 490 P,G,R,T - series R 490 TOURING HD 121	10/15 -  09/12 - 09/12 - 05/19 09/12 - 05/19 11/14 -	130,00	130 139 0002 00	1	STD		2
DC 16.101	16353	8	382 KW 520 PS	P,G,R,T - series R520 R 520 (R II) S 520 (S I)	07/13 - 05/19 09/16 - 09/16 -	130,00	130 139 0002 00	1	STD		2
DC 16.102	16353	8	427 KW 580 PS	P,G,R,T - series R 580 R 580 (R II) S 580 (S I)	09/13 - 05/19 09/16 - 09/16 -	130,00	130 139 0002 00	1	STD		2
DC 16.103	16353	8	537 KW 730 PS	P,G,R,T - series R 730	04/10 - 05/19	130,00	130 139 0002 00	1	STD		2


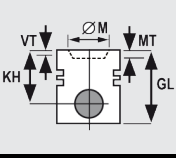

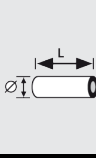

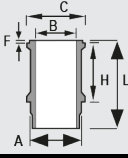
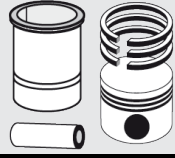






							
<b>1</b>	<b>127,00 mm</b>						
		KH 85,21 MT 22,43 MØ 77,50 BÜ 77,50 GL 125,21	KKK TPL	L 106,00 Ø 54,00	  	3,50 914 IW CKS 2,38 911 IW P 3,50 947 EX CR	
		<b>130 139 0004 00</b>				120 139 0016 00	
<b>2</b>	<b>130,00 mm</b>						
		KH 82,20 MT 23,10 MØ 77,60 GL 121,20	KKK TPL	L 84,00 Ø 58,00	  	3,50 914 IF CKS S 3,00 911 IW U CR 4,00 947 EX CKS S	
		<b>130 139 0002 00</b>				120 139 0019 00	
<b>3</b>	<b>130,00 mm</b>						
		KH 82,20 MT 23,10 MØ 77,60 GL 121,20	KKK TPL	L 84,00 Ø 58,00	  	3,50 914 IF CKS S 3,00 911 IW U CR 4,00 947 EX CKS S	
		<b>130 139 0002 00</b>	For OE no. 2205022/255860			120 139 0019 00	
		KH 82,05 MT 23,10 MØ 96,00 GL 128,00	KKK RTK TPL KBB	L 104,00 Ø 58,00	  	3,50 914 IF CKS S 3,00 911 IFU NIT P 4,00 947 EX NIT S	
		<b>130 139 0003 00</b>	For OE no. 2237184/224721			120 139 0020 00	













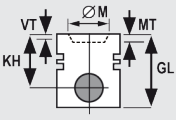



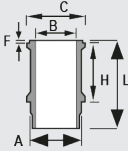
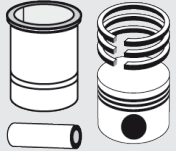


TOYOTA

Globally reliable

	ccm 								Info	Pos.	
EB2ADT	1199	3	81 KW 110 PS	PROACE CITY / CITY VERSO 1.2 VVT-i 110	10/19 -	81,00	130 037 0048 00 21	1 1	STD 0,50		1
1VD-FTV	4461	8	151-210 KW 205-286 PS	LAND CRUISER (_J7_, _JL7_)   CAREVACA 4.5 TD 32V 4x4 (VDJ76, VDJ78, VDJ76R, VDJ78R) LAND CRUISER 200 (_J2_) 4.5 D4-D (VDJ200) LAND CRUISER Pick-up (_J7_, _JL7_) 4.5 TD 32V 4x4 (VDJ79, VDJ79R)	01/07 - 08/07 - 01/07 -	86,00	130 096 0054 00 21 130 096 0055 00 21	1 1 1 1	STD 0,50 STD 0,50	Einbauseite links Einbauseite rechts	2

							
<b>1</b>	<b>81,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD	
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	
<b>2</b>	<b>86,00 mm</b>						
		KH 48,00 VT1 1,10 VT2 1,45 MT 13,90 MØ 51,80 GL 72,00	KKK RTK TPL	L 69,00 Ø 29,00		2,00 910 CR S 1,50 911 NIT S 2,00 947 EX NIT S	
		<b>130 096 0054 00</b> 21	Einbauseite links			121 096 0161 00	
		KH 48,00 VT1 1,45 VT2 1,10 MT 13,90 MØ 51,80 GL 72,00	KKK RTK TPL	L 69,00 Ø 29,00		2,00 910 CR S 1,50 911 NIT S 2,00 947 EX NIT S	
		<b>130 096 0055 00</b> 21	Einbauseite rechts			121 096 0161 00	

	ccm 								Info	Pos.
DC 13.124	12742 6	331 KW 450 PS	TX16 ACRON	01/15 -	130,00	130 139 0002 00	1	STD		1


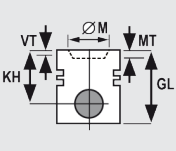


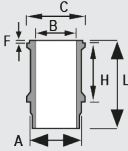
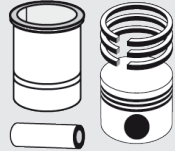






							
<p><b>1</b></p>	<p><b>130,00 mm</b></p>						
		<p>KH 82,20 MT 23,10 MØ 77,60 GL 121,20</p>	<p>KKK TPL</p>	<p>L 84,00 Ø 58,00</p>		<p>3,50 914 IF CKS S 3,00 911 IW U CR 4,00 947 EX CKS S</p>	
		<p><b>130 139 0002 00</b></p>				<p>120 139 0019 00</p>	



VAUXHALL

Globally reliable

									Info	Pos.
HNP (EB2ADT)	1199	3	81 KW 110 PS	ASTRA Mk VIII (L) 1.2	10/21 -	75,00	130 037 0048 00 21	1 1	STD 0,50	1
A 16 DTH	1598	4	100 KW 136 PS	MOKKA / MOKKA X (J13) 1.6 CDTi	01/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
B 16 DTC	1598	4	70 KW 95 PS	MERIVA Mk II 1.6 CDTi	01/15 -	79,70	130 035 0023 00	4	STD	3
B 16 DTE	1598	4	70 KW 95 PS	ASTRA Mk VII (K) 1.6 CDTi	07/15 -	79,70	130 035 0023 00	4	STD	3
B 16 DTE	1598	4	81 KW 110 PS	INSIGNIA Mk II 1.6 CDTi ASTRA Mk VII (K) 1.6 CDTi MERIVA Mk II 1.6 CDTi	03/17 - 07/15 - 01/15 -	79,70	130 035 0023 00	4	STD	3
B 16 DTH	1598	4	100 KW 136 PS	ASTRA Mk VI (J) (P10) 1.6 CDTi INSIGNIA Mk I (A) 1.6 CDTi MERIVA Mk II 1.6 CDTi MOKKA / MOKKA X (J13) 1.6 CDTi ZAFIRA Mk III (P12) 1.6 CDTi	11/13 - 10/18  07/15 - 05/17 01/15 - 01/15 -  03/12 - 08/18	79,70	130 035 0022 00 21	4 4	STD 0,50	2
B 16 DTJ	1598	4	81 - 100 KW 110 - 136 PS	ASTRA Mk VII (K) 1.6 CDTi MERIVA Mk II 1.6 CDTi	07/15 - 01/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
B 16 DTL	1598	4	81 KW 110 PS	ASTRA Mk VI (J) (P10) 1.6 CDTi MERIVA Mk II 1.6 CDTi	11/13 - 10/18  01/15 -	79,70	130 035 0023 00	4	STD	3
B 16 DTN	1598	4	81 KW 110 PS	ASTRA Mk VII (K) 1.6 CDTi INSIGNIA Mk II 1.6 CDTi MOKKA / MOKKA X (J13) 1.6 CDTi	07/15 - 03/17 - 01/15 -	79,70	130 035 0023 00	4	STD	3
B 16 DTR	1598	4	118 KW 160 PS	ASTRA Mk VII (K) 1.6 CDTi	07/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
B 16 DTU	1598	4	81 KW 110 PS	ASTRA Mk VII (K) 1.6 CDTi MERIVA Mk II 1.6 CDTi	07/15 - 01/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
D 16 DTE	1598	4	81 KW 110 PS	INSIGNIA Mk II 1.6 CDTi	03/17 -	79,70	130 035 0023 00	4	STD	3
D 16 DTH	1598	4	100 KW 136 PS	ASTRA Mk VII (K) 1.6 CDTi INSIGNIA Mk II 1.6 CDTi MOKKA / MOKKA X (J13) 1.6 CDTi	07/15 - 03/17 - 01/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
D 16 DTN	1598	4	81 KW 110 PS	ASTRA Mk VII (K) 1.6 CDTi INSIGNIA Mk II 1.6 CDTi	07/15 - 03/17 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
D 16 DTR	1598	4	110 KW 150 PS	ASTRA Mk VII (K) 1.6 CDTi	07/15 -	79,70	130 035 0022 00 21	4 4	STD 0,50	2
4HA (DW12RUE)	2179	4	88 KW 120 PS	MOVANO Mk III (C) (U9) 2.2 D	12/21 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60	4
4HB (DW12RUD)	2179	4	103 KW 140 PS	MOVANO Mk III (C) (U9) 2.2 D	12/21 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60	4
4HH (DW12RUC)	2179	4	121 KW 165 PS	MOVANO Mk III (C) (U9) 2.2 D	12/21 - 10/23	85,00	130 037 0047 00 23	4 4	STD 0,60	4

							
<b>1</b>	<b>75,00 mm</b>						
		KH 28,35 VT1 2,94 VT2 3,87 MT 2,20 MØ 62,00 BÜ 5,10 GL 50,20	RTK TPL	L 45,00 Ø 19,50		1,20 910 NIT+DLC 1,00 931 FE S 2,00 777 NIT S PVD	
		<b>130 037 0048 00</b> 21		Coated		120 037 0078 00	
<b>2</b>	<b>79,70 mm</b>						
		KH 45,80 VT1 1,30 VT2 1,15 MT 13,50 MØ 45,00 GL 70,80	KKK RTK TPL	L 63,00 Ø 29,00			
		<b>130 035 0022 00</b> 21					
<b>3</b>	<b>79,70 mm</b>						
		KH 40,80 VT1 1,40 VT2 1,10 MT 13,50 MØ 45,00 GL 65,90	KKK RTK TPL	L 58,00 Ø 25,00			
		<b>130 035 0023 00</b>					
<b>4</b>	<b>85,00 mm</b>						
		KH 35,60 MT 13,40 MØ 52,80 GL 55,60	KKK TPL	L 50,00 Ø 30,00		2,00 913 CDS 2,00 911 IF U 2,00 947 EX CKS	
		<b>130 037 0047 00</b> 23		Coated		120 037 0077 00	



KOLBEN  
PISTONS  
PISTONES



Globally reliable

NPR of Europe GmbH  
Siemensstraße 56  
70825 Korntal-  
Münchingen  
Germany  
[www.npr-europe.com](http://www.npr-europe.com)

P7