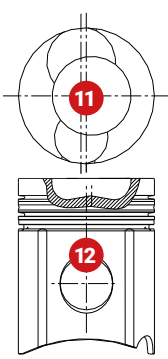
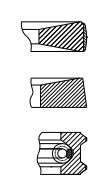
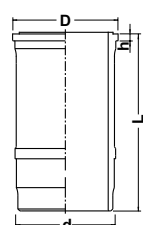
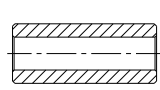



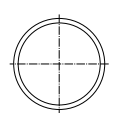


1 2 | Ø 130 2

3	Модель двигателя	Кол-во цилиндров	Сепень сжатия	Ход поршня	Рабочий объём	Мощность	Тип топлива
	Д442	4 Cyl.	16,5:1	└┐ 140	7430cc	107...132 kW (145...180 HP)	Diesel
	Д461	6 Cyl.	16,5:1	└┐ 140	11150cc	118...173 kW (160...235 HP)	Diesel

Поршень	Поршневые кольца	Гильза цилиндра	Поршневой палец	Состав комплекта
<p>446-03c6-08 4</p>  <p>RT, АК H=100,0 B=-22,5 BØ=75,0 e1=1,5 e2=1,5 L=167,0</p>	<p>446-1004002 5</p>  <p>3,5 CR, P 3,5 P 4,0 CR, P</p>	<p>442-0102-1 6</p>  <p>WH D=160,3 h=12,1 d=151,0 L=271,0</p>	<p>446-1004020 8</p>  <p>D=50,0 L=110,0</p> <p>236-1004022-Б x2 9</p> 	<p>446-03c8-01 10</p>  <p>446-03c5</p> 
		<p>236-1002024-A x2 7 236-1002040 x1</p> 		

1 Порядковый номер

2 Диаметр цилиндра

3 Характеристики двигателя

4 Обозначение поршня

H – компрессионная высота
B – глубина камеры сгорания / высота вытеснителя
BØ – диаметр камеры сгорания
e – глубина выемки под клапан
L – общая высота поршня
RT – со вставкой в канавке верхнего кольца
TT – с термовставкой
KK – с каналом масляного охлаждения
AK – с выемкой для масляной форсунки
HA – анодирование
K – прессовая посадка пальца
TPL – трапецевидный шатун

5 Обозначение комплекта колец

Конструкция кольца
Высота кольца
Покрытие и материал
CR – хромовое покрытие
CKS – хромокерамическое покрытие
P – фосфатирование
N – азотирование
P – фосфатирование
N – азотирование

6 Обозначение гильзы

D – диаметр бурта
d – диаметр посадочного места
H – монтажная высота
h – высота бурта
f – высота выступа
L – общая длина

Тип гильзы

D – сухая
DH – сухая хонингованная
WH – мокрая

7 Обозначение уплотнительных колец

8 Обозначение поршневого пальца

9 Обозначение стопорных колец

10 Обозначение и состав комплекта

11 Ориентация поршня

12 Фронтальный вид поршня и вид днища

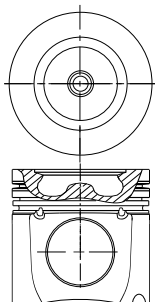
		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
B-Series 3.9	TurboDiesel	3920	4	102	3
B-Series 5.9	TurboDiesel	5890	6	102	3
ISBe 4.5	TurboDiesel	4460	4	107	4
ISBe 6.7	TurboDiesel	6690	6	107	4
ISF2.8	TurboDiesel	2781	4	94	1
ISF3.8	TurboDiesel	3760	4	102	2
6CT/CTA	TurboDiesel	8270	6	114	5
ISLe 8.9	TurboDiesel	8880	6	114	5
L-Series 8.9	TurboDiesel	8880	6	114	5

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1 | Ø 94

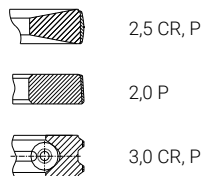
ISF2.8	4 Cyl.	16,5:1	∩ 100	2781cc	88kW (120 HP)	TurboDiesel
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ISF2.8-1004015
(44 14 15 01 0)

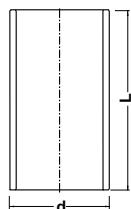


KK, AK,
RT
H=48,6
B=-16,2
BØ=52,0
L=76,0

44 14 30 01 000 (STD)
44 14 30 01 050 (0,5)

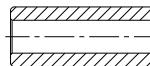


44 14 21 02 8



d=98,0
L=190,0

ISF2.8-1004020



D=34,5
L=73,0

ISF2.8-1004022 x2



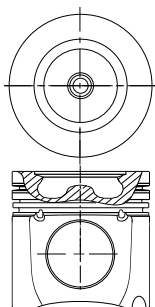
ISF2.8-1004018 (STD)
ISF2.8-1004018-AP (0,5)



2 | Ø 102

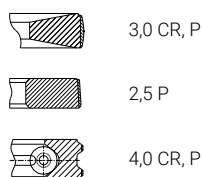
ISF3.8	4 Cyl.	17,2:1	∩ 115	3760cc	112kW (152 HP)	TurboDiesel
---------------	--------	--------	-------	--------	----------------	-------------

ISF3.8-1004015



KK, AK,
RT
H=74,0
B=-17,5
BØ=54,5
L=109,0

ISF3.8-1000100

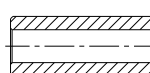


44 14 21 03 8



d=104,56
L=200,0

ISF3.8-1004020



D=40,0
L=83,0

J40x1,75 DIN472 x2



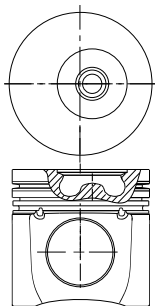
ISF3.8-1004018



3 | Ø 102

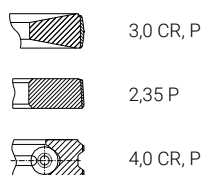
B-Series 3.9	4 Cyl.	17,3:1	∩ 120	3920cc		TurboDiesel
B-Series 5.9	6 Cyl.	17,3:1	∩ 120	5890cc		TurboDiesel

EQB-1004015

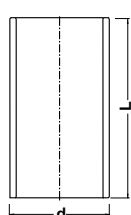


RT
H=71,6
B=-22,1
BØ=51,3
L=105,6

EQB-1000106

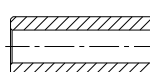


44 14 21 03 8



d=104,56
L=200,0

EQB-1004020



D=40,0
L=83,0

J40x1,75 DIN472 x2



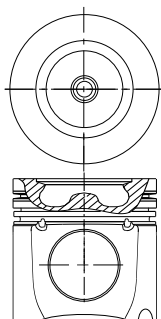
EQB-1000128



4 | Ø 107

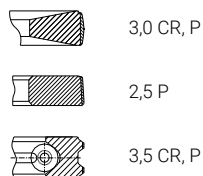
ISBe 4.5	4 Cyl.	17,3:1	┌┐ 124	4460cc	TurboDiesel
ISBe 6.7	6 Cyl.	17,3:1	┌┐ 124	6690cc	TurboDiesel

ISBe-1004015

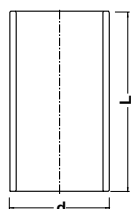


KK, AK,
RT
H=69,4
B=-18,3
BØ=61,0
L=103,2

44 14 30 02 000 (STD)
44 14 30 02 050 (0,5)

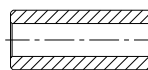


44 14 21 04 8



d=109,5
L=205,0

ISBe-1004020



D=40,0
L=90,5

J40x1,5 DIN472 x2



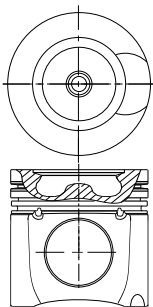
ISBe-1000128 (STD)
ISBe-1000128-AP (0,5)



5 | Ø 114

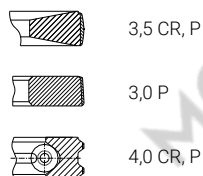
6CT/CTA	6 Cyl.	16,6:1	┌┐ 135	8270cc	TurboDiesel
L-Series 8.9	6 Cyl.	16,6:1	┌┐ 145	8880cc	TurboDiesel
ISLe 8.9	6 Cyl.	16,6:1	┌┐ 145	8880cc	TurboDiesel

L-1004015 (44 14 15 09 0)

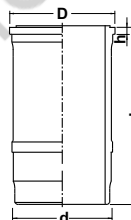


KK, AK,
RT
H=74,5
B=-22,0
BØ=64,8
e=1,0
L=110,5

ISLe-1000106

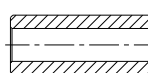


ISLe-1002021
(44 14 21 01 0)



WH
D=130,95
H=123,04
f=1,25
d=125,68
L=235,5

ISLe-1004020



D=45,0
L=91,0

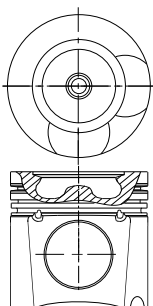
J45x1,75 DIN472 x2



L-1000128

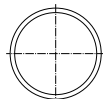


ISLe-1004015



KK, AK,
RT
H=74,3
B=-22,0
BØ=64,8
e=1,0
L=110,5

ISLe-1002023 x1



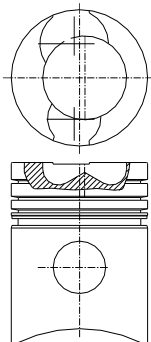
ISLe-1000128



1 | Ø 130

A-01M	6 Cyl.	16,5:1	~ 140	11150cc	95 kW (130 HP)	Diesel
A41	4 Cyl.	16,5:1	~ 140	7430cc	66 kW (90 HP)	Diesel

01M-0305-40



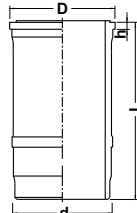
H=100,0
B=-21,5
BØ=80,0
e1=1,5
e2=1,5
L=172,5

01M-1004002-20



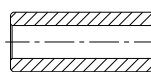
3,5 CR, P
3,5 P
3,5 P
5,0 CR, P

442-0102-11



WH
D=160,0
h=12,1
d=151,0
L=270,0

01M-0102-01



D=50,0
L=110,0

01M-03c8-21



01M-03c5



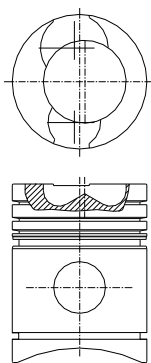
01M-01c10-03



01M-01c10-K5

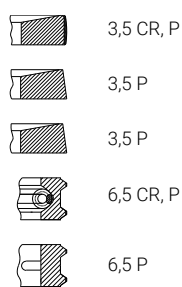


01M-0305-3-01



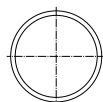
H=100,0
B=-21,5
BØ=80,0
e1=1,5
e2=1,5
L=172,5

01M-100402-A5



3,5 CR, P
3,5 P
3,5 P
6,5 CR, P
6,5 P

236-1002024-A x2
236-1002040 x1



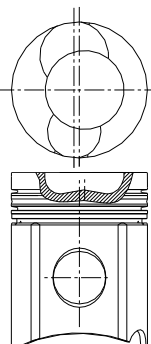
236-1004022-B x2



2 | Ø 130

Д442	4 Cyl.	16,5:1	~ 140	7430cc	107...132 kW (145...180 HP)	TurboDiesel
Д461	6 Cyl.	16,5:1	~ 140	11150cc	118...173 kW (160...235 HP)	TurboDiesel

446-03c6-08



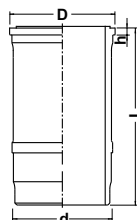
RT, AK
H=100,0
B=-22,5
BØ=75,0
e1=1,5
e2=1,5
L=167,0

446-1004002



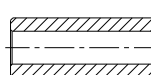
3,5 CR, P
3,5 P
4,0 CR, P

442-0102-01M



WH
D=160,3
h=12,1
d=151,0
L=271,0

446-1004020



D=50,0
L=110,0

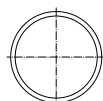
446-03c8-01



446-03c5



236-1002024-A x2
236-1002040 x1



236-1004022-B x2



Размерные группы гильз

01M-03-05-40		442-0102-1	
Группа	Размер, мм	Группа	Размер, мм
А	130,00 ... 130,02	А	130,00 ... 130,02
Б	130,02 ... 130,04	Б	130,02 ... 130,04
Ж	130,04 ... 130,06	Ж	130,04 ... 130,06

Размерные группы поршней

01M-03-05-40 / 01M-0305-3-01		442-0102-1	
Группа	Размер, мм	Группа	Размер, мм
А	130,00 ... 130,02	А	130,00 ... 130,02
Б	130,02 ... 130,04	Б	130,02 ... 130,04
Ж	130,04 ... 130,06	Ж	130,04 ... 130,06

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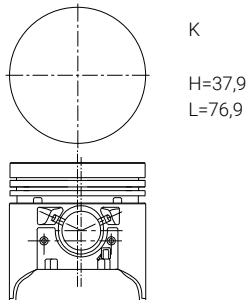
		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
1111	Benzin	644	2	76	2
11113	Benzin	750	2	82	7
11186	Benzin	1597	4	82	11
11189	Benzin	1597	4	82	11
11194	Benzin	1390	4	76,5	3
2101	Benzin	1198	4	76	1
21011	Benzin	1294	4	79	4
2103	Benzin	1452	4	76	1
2104	Benzin	1452	4	76	1
2105	Benzin	1294	4	79	5
2106	Benzin	1568	4	79	4
21067	Benzin	1568	4	79	4
2108	Benzin	1288	4	76	2
21081	Benzin	1100	4	76	2
21083	Benzin	1500	4	82	7
2110	Benzin	1500	4	82	8
2111	Benzin	1500	4	82	8
21114	Benzin	1597	4	82	8
21116	Benzin	1597	4	82	11
2112	Benzin	1500	4	82	9
21124	Benzin	1597	4	82	9
21126	Benzin	1597	4	82	10
21213	Benzin	1690	4	82	6
21214	Benzin	1690	4	82	6
2123	Benzin	1690	4	82	6
2130	Benzin	1774	4	82	6

BA3

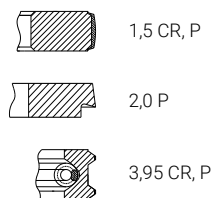
1 | $\varnothing 76$

2101	4 Cyl.	8,5/8,8:1	\sqcup 66	1198cc	43-47 kW (59-64 HP)	Benzin
2103	4 Cyl.	8,5/8,8:1	\sqcup 80	1452cc	53 kW (71 HP)	Benzin
2104	4 Cyl.	8,5/8,8:1	\sqcup 80	1452cc	50 kW (68 HP)	Benzin

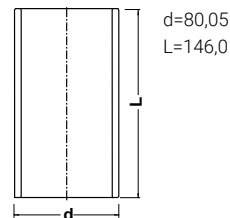
2101-1004015 (STD)
2101-1004015-AP (0.40)
2101-1004015-БP (0.80)



2108-1000100 (STD)
2108-1000100-AP (0.40)
2108-1000100-БP (0.80)

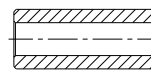


2103-1002021



Внутренний диаметр 75,0
Под окончательную
обработку в блоке

21213-1004020



D=22,0
L=67,0

2101-1004018 (STD)
2101-1004018-AP (0.40)
2101-1004018-БP (0.80)



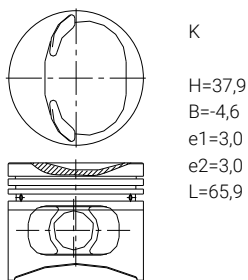
2101-1004014 (STD)
2101-1004014-AP (0.40)
2101-1004014-БP (0.80)



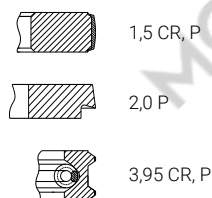
2 | $\varnothing 76$

1111	2 Cyl.	9,9:1	\sqcup 71	644cc	22 kW (30 HP)	Benzin
2108	4 Cyl.	9,9:1	\sqcup 71	1288cc	47 kW (64 HP)	Benzin
21081	4 Cyl.	9,9:1	\sqcup 60,6	1100cc	40 kW (54 HP)	Benzin

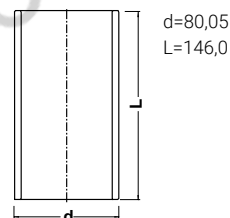
2108-1004015 (STD)
2108-1004015-AP (0.40)
2108-1004015-БP (0.80)



2108-1000100 (STD)
2108-1000100-AP (0.40)
2108-1000100-БP (0.80)

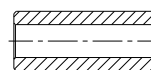


2103-1002021



Внутренний диаметр 75,0
Под окончательную
обработку в блоке

2108-1004020



D=22,0
L=61,0

2108-1004018 (STD)
2108-1004018-AP (0.40)
2108-1004018-БP (0.80)



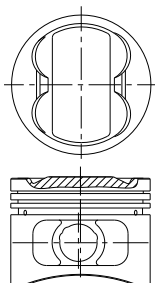
2108-1004014 (STD)
2108-1004014-AP (0.40)
2108-1004014-БP (0.80)



3 | Ø 76,5

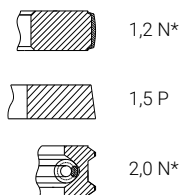
11194	4 Cyl.	10,8:1	┌┐ 75,6	1390cc	65,5 kW (89 HP)	Benzin
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11194-1004015 (STD)
11194-1004015-AP (0.50)
11194-1004015-БП (1.0)



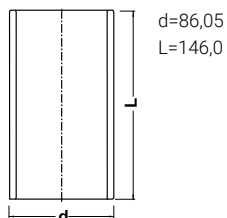
HA
H=25,58
B=+0,45
e1=3,7
e2=3,7
L=45,58

11194-1000100 (STD)
11194-1000100-AP (0.50)
11194-1000100-БП (1.0)



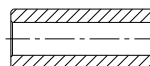
*Сталь

2103-1002021



Внутренний диаметр 75,0
Под окончательную
обработку в блоке

11194-1004020



D=18,0
L=48,0

11194-1004022 x2



11194-1004018-K (STD)
11194-1004018-K-AP (0,50)
11194-1004018-K-БП (1.0)



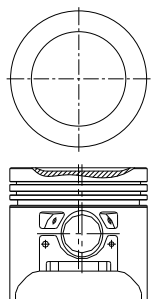
11194-1004014-K (STD)
11194-1004014-K-AP (0,50)
11194-1004014-K-БП (1.0)



4 | Ø 79

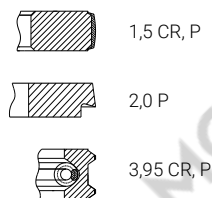
21011	4 Cyl.	8,5:1	┌┐ 66	1294cc	51 kW (69 HP)	Benzin
2106	4 Cyl.	8,5:1	┌┐ 80	1568cc	55 kW (75 HP)	Benzin
21067	4 Cyl.	8,5:1	┌┐ 80	1568cc	55 kW (75 HP)	Benzin

21011-1004015 (STD)
21011-1004015-AP (0.40)
21011-1004015-БП (0.80)

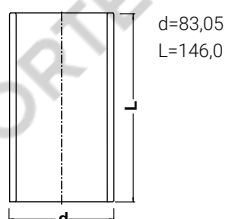


K
H=37,9
B=-1,9
BØ=55,0
L=76,9

21011-1000100 (STD)
21011-1000100-AP (0.40)
21011-1000100-БП (0.80)

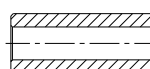


2106-1002021



Внутренний диаметр 78,0
Под окончательную
обработку в блоке

21213-1004020



D=22,0
L=67,0

21011-1004018 (STD)
21011-1004018-AP (0.40)
21011-1004018-БП (0.80)



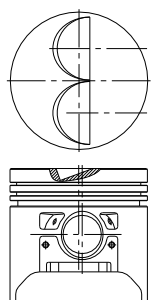
21011-1004014 (STD)
21011-1004014-AP (0.40)
21011-1004014-БП (0.80)



5 | Ø 79

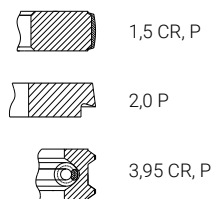
2105	4 Cyl.	8,5:1	┌┐ 66	1294cc	47 kW (64 HP)	Benzin
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2105-1004015 (STD)
2105-1004015-AP (0.40)
2105-1004015-БП (0.80)

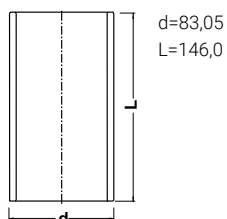


K
H=37,9
e1=6,64
e2=6,84
L=76,9

21011-1000100 (STD)
21011-1000100-AP (0.40)
21011-1000100-БП (0.80)

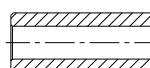


2106-1002021



Внутренний диаметр 78,0
Под окончательную
обработку в блоке

21213-1004020



D=22,0
L=67,0

2105-1004018 (STD)
2105-1004018-AP (0.40)
2105-1004018-БП (0.80)



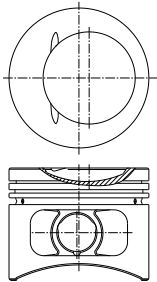
2105-1004014 (STD)
2105-1004014-AP (0.40)
2105-1004014-БП (0.80)



6 | Ø 82

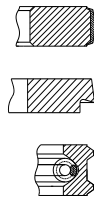
21213	4 Cyl.	9,3:1	┌ 80	1690cc	59,5 kW (81 HP)	Benzin
21214	4 Cyl.	9,3:1	┌ 80	1690cc	59,5 kW (81 HP)	Benzin
2123	4 Cyl.	9,3:1	┌ 80	1690cc	58 kW (79 HP)	Benzin
2130	4 Cyl.	9,5:1	┌ 84	1774cc	60 kW (82 HP)	Benzin

21213-1004015 (STD)
21213-1004015-AP (0.40)
21213-1004015-БP (0.80)



H=37,9
B=7,3
e1=1,9
e2=1,9
L=65,9

21083-1000100 (STD)
21083-1000100-AP (0.40)
21083-1000100-БP (0.80)

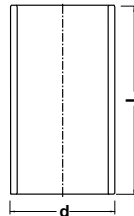


1,5 CR, P

2,0 P

3,95 CR, P

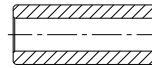
21213-1002021



d=86,05
L=146,0

Внутренний диаметр 81,0
Под окончательную обработку
в блоке

21213-1004020



D=22,0
L=67,0

21213-1004022 x2



21213-1004018 (STD)
21213-1004018-AP (0.40)
21213-1004018-БP (0.80)



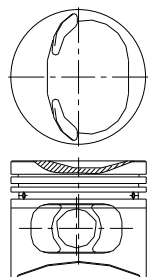
21213-1004014 (STD)
21213-1004014-AP (0.40)
21213-1004014-БP (0.80)



7 | Ø 82

11113	2 Cyl.	9,6:1	┌ 71	750cc	26 kW (35 HP)	Benzin
21083	4 Cyl.	9,6:1	┌ 71	1500cc	50 kW (69 HP)	Benzin

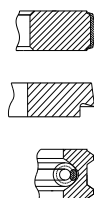
21083-1004015 (STD)
21083-1004015-AP (0.40)
21083-1004015-БP (0.80)



K

H=37,9
B=6,54
e1=6,5
e2=6,5
L=65,9

21083-1000100 (STD)
21083-1000100-AP (0.40)
21083-1000100-БP (0.80)

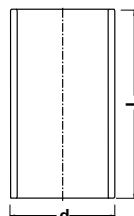


1,5 CR, P

2,0 P

3,95 CR, P

21213-1002021



d=86,05
L=146,0

Внутренний диаметр 81,0
Под окончательную обработку
в блоке

21213-1004020



D=22,0
L=67,0

21083-1004018 (STD)
21083-1004018-AP (0.40)
21083-1004018-БP (0.80)



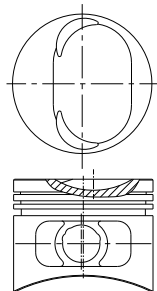
21083-1004014 (STD)
21083-1004014-AP (0.40)
21083-1004014-БP (0.80)



8 | Ø 82

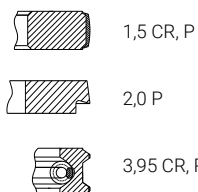
2110	4 Cyl.	9,8:1	┘┘ 71	1500cc	54 kW (73 HP)	Benzin
2111	4 Cyl.	9,8:1	┘┘ 71	1500cc	56,4 kW (77 HP)	Benzin
21114	4 Cyl.	9,6:1	┘┘ 75,6	1597cc	60 kW (82 HP)	Benzin

2110-1004015 (STD)
2110-1004015-AP (0.40)
2110-1004015-БP (0.80)



H=37,9
B=6,54
e1=6,5
e2=6,5
L=65,9

21083-1000100 (STD)
21083-1000100-AP (0.40)
21083-1000100-БP (0.80)

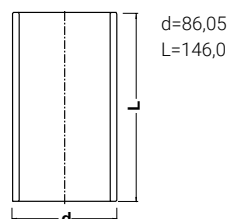


1,5 CR, P

2,0 P

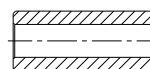
3,95 CR, P

21213-1002021



Внутренний диаметр 81,0
Под окончательную обработку
в блоке

2110-1004020



D=22,0
L=60,5

21213-1004022 x2



2110-1004018 (STD)
2110-1004018-AP (0.40)
2110-1004018-БP (0.80)



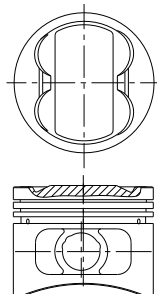
2110-1004014 (STD)
2110-1004014-AP (0.40)
2110-1004014-БP (0.80)



9 | Ø 82

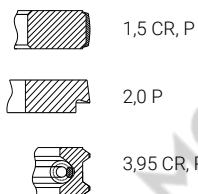
2112	4 Cyl.	10,5:1	┘┘ 71	1500cc	68 kW (93 HP)	Benzin
21124	4 Cyl.	10,3:1	┘┘ 75,6	1597cc	65,5 kW (89 HP)	Benzin

21124-1004015 (STD)
21124-1004015-AP (0.40)
21124-1004015-БP (0.80)



H=38,33
B=+0,8
e1=5,53
e2=5,53
L=64,33

21083-1000100 (STD)
21083-1000100-AP (0.40)
21083-1000100-БP (0.80)

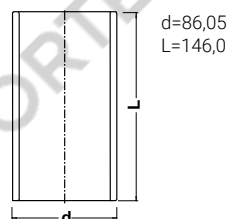


1,5 CR, P

2,0 P

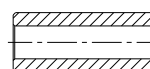
3,95 CR, P

21213-1002021



Внутренний диаметр 81,0
Под окончательную обработку
в блоке

2110-1004020



D=22,0
L=60,5

21213-1004022 x2



21124-1004018 (STD)
21124-1004018-AP (0.40)
21124-1004018-БP (0.80)



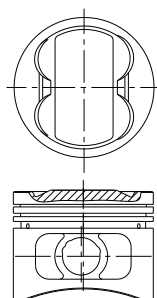
21124-1004014 (STD)
21124-1004014-AP (0.40)
21124-1004014-БP (0.80)



10 | Ø 82

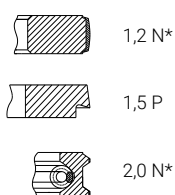
21126	4 Cyl.	11:1	┘┘ 75,6	1597cc	72 kW (98 HP)	Benzin
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21126-1004015 (STD)
21126-1004015-AP (0.50)
21126-1004015-БP (1.00)



HA
H=25,4
B=+1,5
e1=5,7
e2=5,7
L=45,4

21126-1000100 (STD)
21126-1000100-AP (0.50)
21126-1000100-БP (1.00)



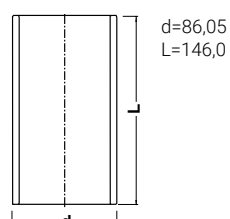
1,2 N*

1,5 P

2,0 N*

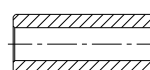
*Сталь

21213-1002021



Внутренний диаметр 81,0
Под окончательную обработку
в блоке

21126-1004020



D=18,0
L=53,0

11194-1004022 x2



21126-1004018-K (STD)
21126-1004018-K-AP (0.50)
21126-1004018-K-БP (1.00)

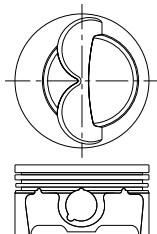


21126-1004014-K (STD)
21126-1004014-K-AP (0.50)
21126-1004014-K-БP (1.00)



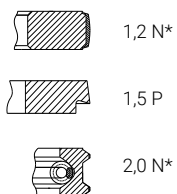
11186	4 Cyl.	10,5:1	~ 75,6	1597cc	64 kW (87 HP)	Benzin
11189	4 Cyl.	10,5:1	~ 75,6	1597cc	64 kW (87 HP)	Benzin
21116	4 Cyl.	10,5:1	~ 75,6	1597cc	66 kW (90 HP)	Benzin

21116-1004015 (STD)
21116-1004015-AP (0.50)
21116-1004015-БP (1.00)



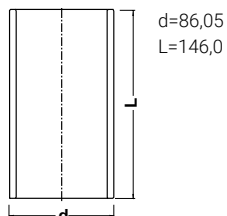
HA
H=25,6
B=-2,0
e1=6,1
e2=6,1
L=45,6

21126-1000100 (STD)
21126-1000100-AP (0.50)
21126-1000100-БP (1.00)



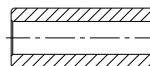
*Сталь

21213-1002021



Внутренний диаметр 81,0
Под окончательную обработку
в блоке

21126-1004020



D=18,0
L=53,0

11194-1004022 x2



21116-1004018-K (STD)
21116-1004018-K-AP (0.50)
21116-1004018-K-БP (1.00)



21116-1004014-K (STD)
21116-1004014-K-AP (0.50)
21116-1004014-K-БP (1.00)



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Размерные группы поршней

2101-1004015 (-AP; -БР)		21011-1004015 (-AP; -БР)		2105-1004015 (-AP; -БР)		2108-1004015 (-AP; -БР)		21083-1004015 (-AP; -БР)	
Гр.	76,0	79,0				76,0		82,0	
A	75,94 ... 75,95	78,94 ... 78,95				75,965 ... 75,975		81,965 ... 81,975	
B	75,95 ... 75,96	78,95 ... 78,96				75,975 ... 75,985		81,975 ... 81,985	
C	75,96 ... 75,97	78,96 ... 78,97				75,985 ... 75,995		81,985 ... 81,995	
D	75,97 ... 75,98	78,97 ... 78,98				75,995 ... 76,005		81,995 ... 82,005	
E	75,98 ... 75,99	78,98 ... 78,99				76,005 ... 76,015		82,005 ... 82,015	

21213-1004015 (-AP; -БР)		2110-1004015 (-AP; -БР)		21124-1004015 (-AP; -БР)		21126-1004015K (-AP; -БР)		21116-1004015K (-AP; -БР)		21194-1004015K (-AP; -БР)	
Гр.	82,0										76,5
A	81,965 ... 81,975										76,465 ... 76,475
B	81,975 ... 81,985										76,475 ... 76,485
C	81,985 ... 81,995										76,485 ... 76,495
D	81,995 ... 82,005										76,495 ... 76,505
E	82,005 ... 82,015										76,505 ... 76,515

Размерные группы цилиндров

Размерная группа цилиндра	Диаметр цилиндра					
	Двиг.: 2108/21083	Двиг.: 2101/2103	Двиг.: 21011/2105/2106	Двиг.: 21083/ 2110/2112/2123/ 21213/21214-10/11113	Двиг.: 21126/21116	Двиг.: 11194
A	76.000 ... 76.010	76.000 ... 76.010	79.000 ... 79.010	82.000 ... 82.010	82.000 ... 82.010	76.500 ... 76.510
B	76.010 ... 76.020	76.010 ... 76.020	79.010 ... 79.020	82.010 ... 82.020	82.010 ... 82.020	76.510 ... 76.520
C	76.020 ... 76.030	76.020 ... 76.030	79.020 ... 79.030	82.020 ... 82.030	82.020 ... 82.030	76.520 ... 76.530
D	76.030 ... 76.040	76.030 ... 76.040	79.030 ... 79.040	82.030 ... 82.040	82.030 ... 82.040	76.530 ... 76.540
E	76.040 ... 76.050	76.040 ... 76.050	79.040 ... 79.050	82.040 ... 82.050	82.040 ... 82.050	76.540 ... 76.550
Зазор поршень-цилиндр	0.025 ... 0.045 мм	0.05 ... 0.07 мм	0.05 ... 0.07 мм	0.025 ... 0.045 мм	0.025 ... 0.040 мм	0.025 ... 0.040 мм

Размерные группы по диаметру отверстия под поршневой палец

Группа	2101/21011/2105/2108/21083		2110/21124/21213		11194/21116/21126	
	Размер, мм					
I	21,982 ... 21,986		21,978 ... 21,982		18,009 ... 18,014	
II	21,986 ... 21,990		21,982 ... 21,986			
III	21,990 ... 21,994		21,986 ... 21,990			

Размерные группы по диаметру поршневого пальца

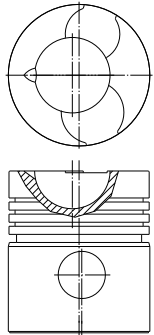
Группа	2101/21011/2105/2108/21083 2110/21124/21213		11194/21116/21126	
	Размер, мм			
I	21,970 ... 21,974		17,995 ... 18,000	
II	21,974 ... 21,978			
III	21,978 ... 21,982			

BMT3

1 | Ø 105

Д21, Д120	2 Cyl.	16:1	~ 120	2078cc	15...22 kW (21...30 HP)	Benzin
Д37, Д144	4 Cyl.	16:1	~ 120	4156cc	27...44 kW (37...60 HP)	Benzin

Д144-1004021Б

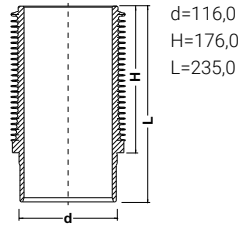


H=77,12
B=-28,65
BØ=56,0
e1=2,3
e2=1,3
L=120,0

144-1004002

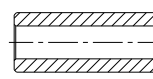


Д37М-1002021-А3



Воздушное охлаждение

Д37М-1004042



D=35,0
L=89,0

B35x1,2 DIN 472 x2



Д144-1000108



Д144-1000105



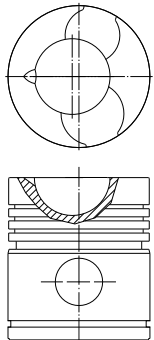
Д144-1000101



Д144-1000101-K5

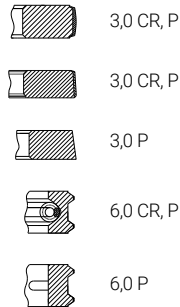


Д144-1004021Б-П



H=77,12
B=-28,65
BØ=56,0
e1=2,3
e2=1,3
L=120,0

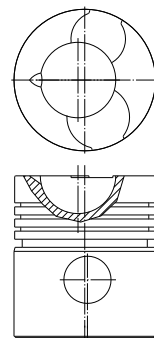
144-1004002-А5



2 | Ø 105

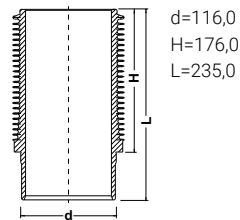
Д145Т	4 Cyl.	16:1	~ 120	4156cc	57 kW (75 HP)	TurboDiesel
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Д145-1004021А2*



H=77,12
B=-29,0
BØ=58,0
e1=2,3
e2=1,3
L=120,0

Д37М-1002021-А3



Воздушное охлаждение

Д145Т-1000101



*канавки под кольца трапецеидального сечения

Размерные группы цилиндров

Д37М-1002021А3	
Группа	Размер, мм
М	105,00 ... 105,02
С	105,02 ... 105,04
Б	105,04 ... 105,06

Размерные группы поршней

Д144-1004021Б / Д144-1004021Б-П	
Группа	Размер, мм
М	104,84 ... 104,86
С	104,86 ... 104,88
Б	104,88 ... 104,90

Размерные группы по диаметру отверстия под поршневой палец	
Группа	Размер, мм
01	34,991 ... 34,996
02	34,986 ... 34,991

Размерные группы пальцев

Д37М-1004042	
Группа	Размер, мм
01	34,996 ... 35,000
02	34,993 ... 34,997

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1 | Ø 100

130, 508 (модиф.)

V8 Cyl.

6,5:1

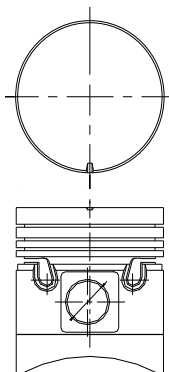
∠ 95

5969cc

110 kW (150 HP)

Benzin

130-1004015-A3

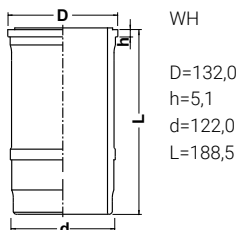


H=62,5
L=110,0

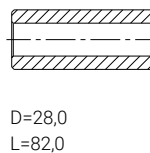
130.1000101



130-1002021-A2



130-1004020



130-1000108



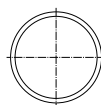
130.1000110



120-1004022 x2



111-1002024 x2



2 | Ø 108

375, 509 (модиф.)

V8 Cyl.

6,5:1

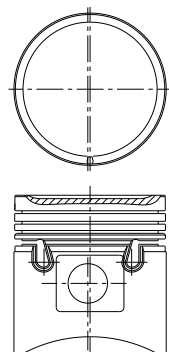
∠ 95

6962cc

129 kW (175 HP)

Benzin

375-1004015-A3

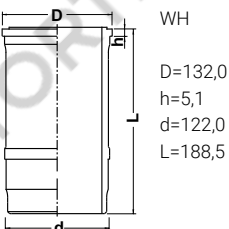


H=62,5
B=-2,3
BØ=88,5
L=113,0

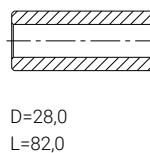
375.1000101



375-1002021-A2



130-1004020



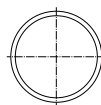
375.1000108



120-1004022 x2



111-1002024 x2



Размерные группы гильз

375-1002021-A2		130-1002021-A2	
Группа	Размер, мм	Группа	Размер, мм
А	108,00 ... 108,01	А	100,00 ... 100,01
Б	108,01 ... 108,02	Б	100,01 ... 100,02
В	108,02 ... 108,03	В	100,02 ... 100,03
Г	108,03 ... 108,04	Г	100,03 ... 100,04
Д	108,04 ... 108,05	Д	100,04 ... 100,05
Е	108,05 ... 108,06	Е	100,05 ... 100,06

Размерные группы пальцев




130-1004020	
Группа	Размер, мм
Красный/1	27,9900 ... 27,9925
Желтый/2	27,9925 ... 27,9950
Зеленый/3	27,9950 ... 27,9975
Белый/4	27,9975 ... 28,0000

Размерные группы поршней

375-1004015-A3		130-1004015-A3	
Размерные группы по диаметру юбки поршня			
Группа	Размер, мм	Группа	Размер, мм
А	107,94 ... 107,95	А	99,93 ... 99,94
Б	107,95 ... 107,96	Б	99,94 ... 99,95
В	107,96 ... 107,97	В	99,95 ... 99,96
Г	107,97 ... 107,98	Г	99,96 ... 99,97
Д	107,98 ... 107,99	Д	99,97 ... 99,98
Е	107,99 ... 108,00	Е	99,98 ... 99,99

Размерные группы по диаметру отверстия под поршневой палец	
Группа	Размер, мм
Красный/1	27,9850 ... 27,9875
Желтый/2	27,9875 ... 27,9900
Зеленый/3	27,9900 ... 27,9925
Белый/4	27,9925 ... 27,9950

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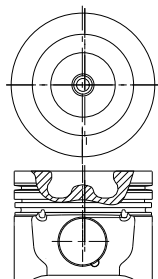
		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
402.10/4026.10	Benzin	2445	4	92	2
4021.10/4025.10	Benzin	2445	4	92	2
40522.10	Benzin	2464	4	95.5	6
40524.10	Benzin	2464	4	95.5	7
4062.10/40621.10	Benzin	2287	4	92	4
409.10	Benzin	2693	4	95.5	8
4091.10/40911.10	Benzin	2693	4	95.5	8
40904.10/40905.10	Benzin	2693	4	95.5	9
511.10/513.13	Benzin	4254	V8	92	3
5143.10	TurboDiesel	2235	4	87	1
51432.10	TurboDiesel	2235	4	87	1
523.1004015	Benzin	4680	V8	92	5
53/66	Benzin	4254	V8	92	3

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1 | Ø 87

5143.10	4 Cyl.	19,5:1	┘┘ 94	2235cc	72 kW (98 HP)	TurboDiesel
51432.10	4 Cyl.	19,0:1	┘┘ 94	2235cc	84 kW (114 HP)	TurboDiesel

514.1004015-02



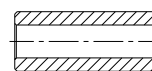
RT
H=44,3
B=-17
BØ=38,9
L=70,0

514.1000100



3,0 CR, P
2,0 CR, P
3,0 CR, P

514-1004020



D=30,0
L=69,0

514.1004018



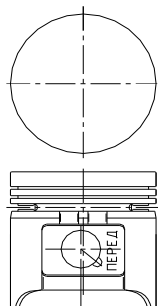
514.1004022 x2



2 | Ø 92

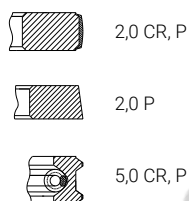
402.10/4026.10	4 Cyl.	8,2:1	┘┘ 92	2445cc	73,5 kW (100 HP)	Benzin
4021.10/4025.10	4 Cyl.	6,7:1	┘┘ 92	2445cc	70 kW (95 HP)	Benzin

53-1004015-24



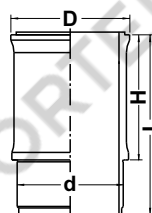
H=51,0
L=92,0

402.1000100



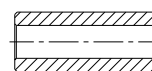
2,0 CR, P
2,0 P
5,0 CR, P

24-1002020-02



WH
D=112,0
d=100,0
H=117,8
L=170,0

21-1004020-14



D=25,0
L=66,0

24-1000105-20



21-1004022-01 x2



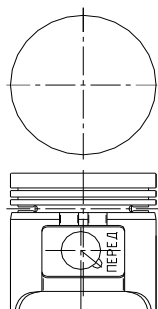
24-1000110



3 | Ø 92

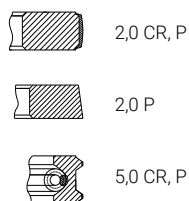
53/66	V8 Cyl.	6,7:1	┘┘ 80	4254cc	85 kW (115 HP)	Benzin
511.10/513.13	V8 Cyl.	6,7:1	┘┘ 80	4254cc	92 kW (125 HP)	Benzin

53-1004015-24



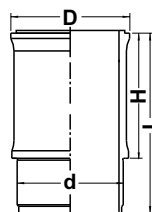
H=51,0
L=92,0

402.1000100



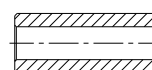
2,0 CR, P
2,0 P
5,0 CR, P

511-1002023



WH
D=118,0
d=100,0
H=117,8
L=153,0

21-1004020-14



D=25,0
L=66,0

53-1000105-04



21-1004022-01 x2



53-1000110



4 | Ø 92

4062.10/40621.10

4 Cyl.

9,3:1

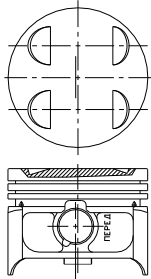
~ 86

2287cc

81...107 kW (110...145 HP)

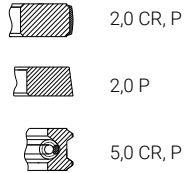
Benzin

406.1004015 (STD)
406.1004015-AP (0.50)
406.1004015-БP (1.00)

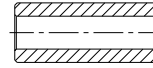


H=37,5
B=-1,95
BØ=76,0
e1=4.84
e2=3.8
L=61,0

402.1000100 (STD)
402.1000100-AP (0.50)
402.1000100-БP (1.00)



40524.1004020-12



D=22,0
L=64,0

12-1004022-30 x2



406.1004018 (STD)
406.1004018-AP (0.50)
406.1004018-БP (1.00)



406.1004014 (STD)
406.1004014-AP (0.50)
406.1004014-БP (1.00)



5 | Ø 92

523

V8 Cyl.

7,6:1

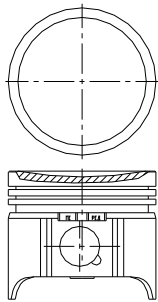
~ 88

4680cc

92...96 kW (125...130 HP)

Benzin

523.1004015

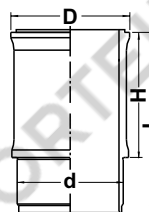


H=47,0
B=-3,6
BØ=76,0
L=80,0

402.1000100



511-1002023



WH
D=118,0
d=100,0
H=117,8
L=153,0

21-10004020-14



D=25,0
L=66,0

21-1004022-01 x2



523.1000105



523.1000110



6 | Ø 95,5

40522.10

4 Cyl.

9,3:1

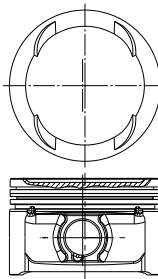
~ 86

2464cc

112 kW (152 HP)

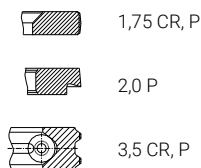
Benzin

405.1004015 (STD)
405.1004015-AP (0.50)
405.1004015-БP (1.00)

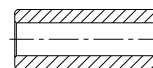


H=38,0
B=-1,3
BØ=76,0
e1=4.15
e2=3,16
L=61,0

405.1000100 (STD)
405.1000100-AP (0.50)
405.1000100-БP (1.00)



40524.1004020-12



D=22,0
L=64,0

12-1004022-30 x2



405.1004018 (STD)
405.1004018-AP (0.50)
405.1004018-БP (1.00)



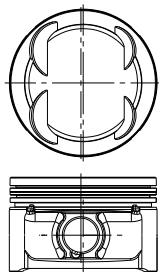
405.1004014 (STD)
405.1004014-AP (0.50)
405.1004014-БP (1.00)



7 | Ø 95,5

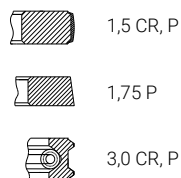
40524.10	4 Cyl.	9,4:1	∩ 92	2464cc	103 kW (140 HP)	Benzin
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40524.1004015 (STD)
40524.1004015-AP (0.50)



H=37,5
B=-1,95
BØ=76,0
e1=4.84
e2=3.8
L=61,0

40524.1000100 (STD)
40524.1000100-AP (0.50)



1,5 CR, P
1,75 P
3,0 CR, P

40524.1004020-12



D=22,0
L=64,0

12-1004022-30 x2



40524.1004018 (STD)
40524.1004018-AP (0.50)



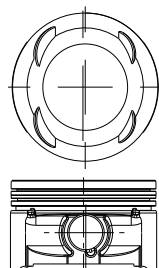
40524.1004014 (STD)
40524.1004014-AP (0.50)



8 | Ø 95,5

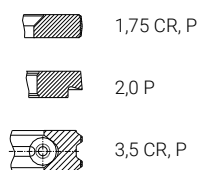
409.10	4 Cyl.	9,0:1	∩ 94	2693cc	105 kW (143 HP)	Benzin
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409.1004015 (STD)
409.1004015-AP (0.50)
409.1004015-BP (1.00)



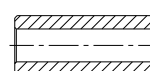
H=34,0
B=-4,1
BØ=76,0
e1=3.8
e2=3.1
L=57,0

405.1000100



1,75 CR, P
2,0 P
3,5 CR, P

40524.1004020-12



D=22,0
L=64,0

12-1004022-30 x2



409.1004018 (STD)
409.1004018-AP (0.50)
409.1004018-BP (1.00)



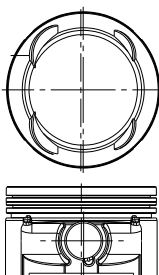
409.1004014 (STD)
409.1004014-AP (0.50)
409.1004014-BP (1.00)



9 | Ø 95,5

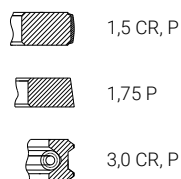
40904.10/40905.10	4 Cyl.	9,1:1	∩ 94	2693cc	105 kW (143 HP)	Benzin
4091.10/40911.10	4 Cyl.	9,0:1	∩ 94	2693cc	92 kW (125 HP)	Benzin

40904.1004015 (STD)
40904.1004015-AP (0.50)



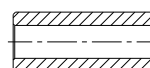
H=33,5
B=-4,3
BØ=76,0
e1=5.0
e2=4.0
L=57,0

40524.1000100 (STD)
40524.1000100-AP (0.50)



1,5 CR, P
1,75 P
3,0 CR, P

40524.1004020-12



D=22,0
L=64,0

12-1004022-30 x2



40904.1004018 (STD)
40904.1004018-AP (0.50)



40904.1004014 (STD)
40904.1004014-AP (0.50)



Размерные группы гильз

Группа	66-1002020-02	24-1002020-02
	Размер, мм	
А	92,024 ... 92,036	
Б	92,036 ... 92,048	
В	92,048 ... 92,060	
Г	92,060 ... 92,072	
Д	92,072 ... 92,084	

Размерные группы цилиндров

Группа	406	405 / 409
	Размер, мм	
А	92,036 ... 92,048	95,536 ... 95,548
Б	92,048 ... 92,060	95,548 ... 95,560
В	92,060 ... 92,072	95,560 ... 95,572
Г	92,072 ... 92,084	95,572 ... 95,584
Д	92,084 ... 92,096	95,584 ... 95,596

Размерные группы поршней

Группа	53-1004015-24	523.1004001	406.1004015	405.1004015	40524.1004015-10
	Размер, мм				
А	91,988 ... 92,000			95,488 ... 95,500	
Б	92,000 ... 92,012			95,500 ... 95,512	
В	92,012 ... 92,024			95,512 ... 95,524	
Г	92,024 ... 92,036			95,524 ... 95,536	
Д	92,036 ... 92,048			95,536 ... 95,548	

Размерные группы по диаметру отверстия под поршневой палец

Группа	Размер, мм	
	I	25,0000 ... 24,9975
II	24,9975 ... 24,9950	21,9975 ... 21,9950
III	24,9950 ... 24,9925	21,9950 ... 21,9925
IV	24,9925 ... 24,9900	21,9925 ... 21,9900




Группа	409.1004015	40904.1004015-10	409.1004015	40904.1004015-10	514.1004015-61	
	Размер, мм				Группа	Размер, мм
А	95,488 ... 95,500				А	86,92 ... 86,93
Б	95,500 ... 95,512					
В	95,512 ... 95,524				В	86,93 ... 86,94
Г	95,524 ... 95,536					
Д	95,536 ... 95,548				У	86,94 ... 86,95

Размерные группы по диаметру отверстия под поршневой палец

Группа	Размер, мм	
	I	22,0050 ... 22,0000
II	22,0000 ... 21,9950	24,9975 ... 24,9950
III	-	24,9950 ... 24,9925
IV	-	24,9925 ... 24,9900

Размерные группы пальцев

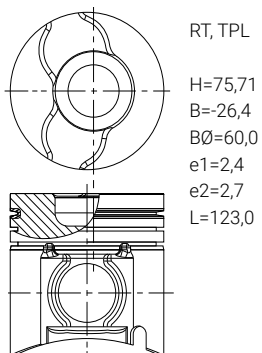
Группа	40524.1004020-12	21.1004020-14
	Размер, мм	
I	21,9950 ... 21,9900	25,0000 ... 24,9975
II	21,9900 ... 21,9850	24,9975 ... 24,9950
III	-	24,9950 ... 24,9925
IV	-	24,9925 ... 24,9900

		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
7401	Diesel	10860	V8	120	1
740.10	Diesel	10860	V8	120	1
740.11-240	TurboDiesel	10860	V8	120	3
740.13-260	TurboDiesel	10860	V8	120	3
740.14-300	TurboDiesel	10860	V8	120	3
7402	Diesel	10860	V8	120	1
740.22-240	TurboDiesel	10860	V8	120	3
740.30-260	TurboDiesel	10860	V8	120	3
7403.10	TurboDiesel	10860	V8	120	2
740.31-240	TurboDiesel	10860	V8	120	3
740.37-400	TurboDiesel	11760	V8	120	4
740.51-320	TurboDiesel	11760	V8	120	4
740.52-260	TurboDiesel	11760	V8	120	4
740.53-290	TurboDiesel	11760	V8	120	4
740.54-300	TurboDiesel	11760	V8	120	4
740.55-300	TurboDiesel	11760	V8	120	4
740.60-360	TurboDiesel	11760	V8	120	4
740.61-320	TurboDiesel	11760	V8	120	4
740.62-280	TurboDiesel	11760	V8	120	4
740.63-400	TurboDiesel	11760	V8	120	4
740.64-420	TurboDiesel	11760	V8	120	4
740.65-240	TurboDiesel	11760	V8	120	4
7408.10	Diesel	10860	V8	120	1
7409.10	Gas/Diesel	10860	V8	120	1
820.60-260	Gas	11760	V8	120	5
820.61-260	Gas	11760	V8	120	5
820.72-240	Gas	11760	V8	120	5
820.73-300	Gas	11760	V8	120	5
820.74-300	Gas	11760	V8	120	5

1 | Ø 120

740.10	V8 Cyl.	17:1	┌┐ 120	10860cc	154 kW (210 HP)	Diesel
7401	V8 Cyl.	17:1	┌┐ 120	10860cc	132 kW (180 HP)	Diesel
7402	V8 Cyl.	17:1	┌┐ 120	10860cc	154 kW (210 HP)	Diesel
7408.10	V8 Cyl.	17:1	┌┐ 120	10860cc	143 kW (195 HP)	Diesel
7409.10	V8 Cyl.	17:1	┌┐ 120	10860cc	154 kW (210 HP)	Gas/Diesel

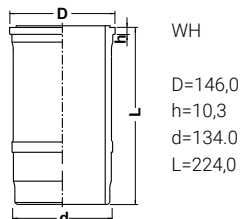
740.1004015-10K



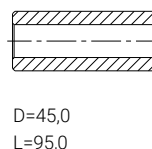
740.1000106



740.30-1002021



740.60-1004020



740.1000128-AK



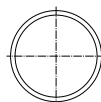
740.1000101-AK



740.1004022 x2



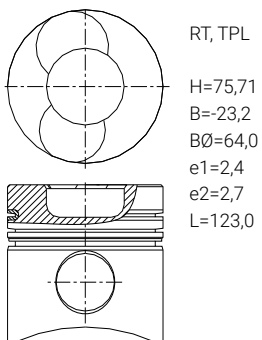
740.1002024 x2 740.1002031 x1



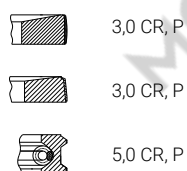
2 | Ø 120

7403.10	V8 Cyl.	16:1	┌┐ 120	10860cc	191 kW (260 HP)	TurboDiesel
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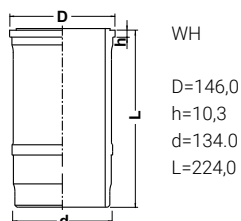
7403.1004015-10



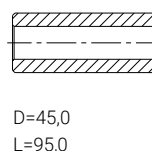
740.1000106



740.30-1002021



740-1004020



7403.1000128



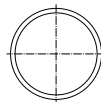
7403.1000101



740.1004022 x2



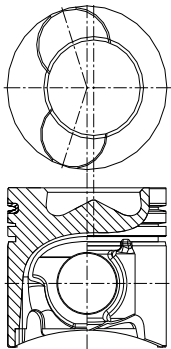
740.1002024 x2 740.1002031 x1



3 | Ø 120

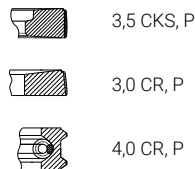
740.11-240	V8 Cyl.	16,5:1	┘┘ 120	10860cc	177 kW (240 HP)	TurboDiesel
740.13-260	V8 Cyl.	16,5:1	┘┘ 120	10860cc	191 kW (260 HP)	TurboDiesel
740.14-300	V8 Cyl.	16,5:1	┘┘ 120	10860cc	220 kW (300 HP)	TurboDiesel
740.22-240	V8 Cyl.	16,5:1	┘┘ 120	10860cc	177 kW (240 HP)	TurboDiesel
740.30-260	V8 Cyl.	16,5:1	┘┘ 120	10860cc	191 kW (260 HP)	TurboDiesel
740.31-240	V8 Cyl.	16,5:1	┘┘ 120	10860cc	177 kW (240 HP)	TurboDiesel

740.30-1004015

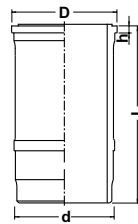


RT, AK,
TPL
H=75,71
B=-23,3
BØ=64,0
e1=2,4
e2=2,7
L=123,0

740.30-1000106

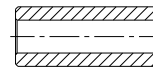


740.30-1002021



WH
D=146,0
h=10,3
d=134,0
L=224,0

740.60-1004020



D=45,0
L=95,0

740.30-1000128



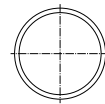
740.30-1000101



740.1004022 x2



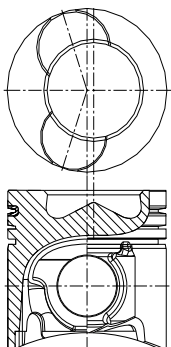
740.1002024 x2
740.1002031 x1



4 | Ø 120

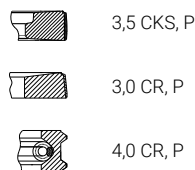
740.37-400	V8 Cyl.	16,8:1	┘┘ 130	11760cc	294 kW (400 HP)	TurboDiesel
740.51-320	V8 Cyl.	16,8:1	┘┘ 130	11760cc	235 kW (320 HP)	TurboDiesel
740.52-260	V8 Cyl.	16,8:1	┘┘ 130	11760cc	191 kW (260 HP)	TurboDiesel
740.53-290	V8 Cyl.	16,8:1	┘┘ 130	11760cc	213 kW (290 HP)	TurboDiesel
740.54-300	V8 Cyl.	16,8:1	┘┘ 130	11760cc	220 kW (300 HP)	TurboDiesel
740.55-300	V8 Cyl.	16,8:1	┘┘ 130	11760cc	220 kW (300 HP)	TurboDiesel
740.60-360	V8 Cyl.	16,8:1	┘┘ 130	11760cc	265 kW (360 HP)	TurboDiesel
740.61-320	V8 Cyl.	16,8:1	┘┘ 130	11760cc	235 kW (320 HP)	TurboDiesel
740.62-280	V8 Cyl.	16,8:1	┘┘ 130	11760cc	206 kW (280 HP)	TurboDiesel
740.63-400	V8 Cyl.	16,8:1	┘┘ 130	11760cc	294 kW (400 HP)	TurboDiesel
740.64-420	V8 Cyl.	16,8:1	┘┘ 130	11760cc	309 kW (420 HP)	TurboDiesel
740.65-240	V8 Cyl.	16,8:1	┘┘ 130	11760cc	177 kW (240 HP)	TurboDiesel

740.60-1004015

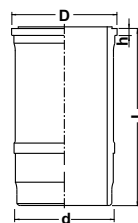


RT, AK,
TPL
H=70,71
B=-21,6
BØ=70,0
e1=2,4
e2=2,7
L=118,0

740.30-1000106

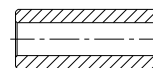


740.51-1002021



WH
D=146,0
h=10,3
d=134,0
L=221,5

740.60-1004020



D=45,0
L=95,0

740.60-1000128



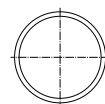
740.60-1000101



740.1004022 x2

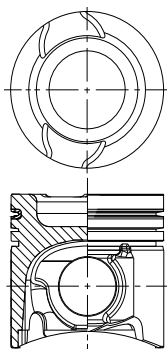


740.1002024 x2
740.1002031 x1



820.60-260	V8 Cyl.	12:1	┘┘ 130	11760cc	192 kW (260 HP)	Gas
820.61-260	V8 Cyl.	12:1	┘┘ 130	11760cc	192 kW (260 HP)	Gas
820.72-240	V8 Cyl.	12:1	┘┘ 130	11760cc	177 kW (240 HP)	Gas
820.73-300	V8 Cyl.	12:1	┘┘ 130	11760cc	221 kW (300 HP)	Gas
820.74-300	V8 Cyl.	12:1	┘┘ 130	11760cc	221 kW (300 HP)	Gas

820.52-1004015



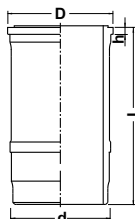
RT, AK,
TPL
H=70,71
B=-25,0
BØ=80,0
e1=2,4
e2=2,7
L=118,0

740.30-1000106



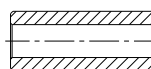
3,0 CR, P
3,0 CR, P
5,0 CR, P

740.51-1002021



WH
D=146,0
h=10,3
d=134,0
L=224,0

740.60-1004020

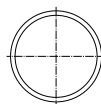


D=45,0
L=95,0

740.1004022 x2



740.1002024 x2
740.1002031 x1



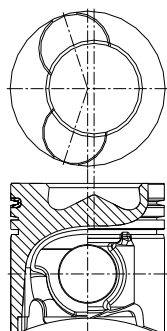
740.602-1000128-44



820.60-1000101



740.602-1004015-44



RT, AK,
TPL
H=70,71
B=-21,6
BØ=66,0
e1=2,4
e2=2,7
L=118,0

740.602-1000128-44



740.60-1000106-02



3,5 CR, P
3,0 CR, P
3,0 CR, P





Размерные группы гильз

740.13-1002021, 740.30-1002021		740.51-1002021	
Группа	Размер, мм	Группа	Размер, мм
–	120,000 ... 120,021	–	120,000 ... 120,021

Размерные группы поршней

Группа	740.1004015-10К	7403.1004015-10	740.30-1004015 740.60-1004015 740.602-1004015	820.52-1004015
	Размер, мм			
–	119,860 ... 119,881			

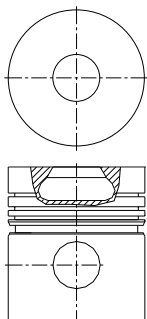
MOTORTEILE.RU

		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
Д240	Diesel	4750	4	110	1,2
Д242	Diesel	4750	4	110	2
Д243	Diesel	4750	4	110	2
Д244	Diesel	4750	4	110	2
Д245	TurboDiesel	4750	4	110	3
Д245.2	TurboDiesel	4750	4	110	4
Д245.2S2	TurboDiesel	4750	4	110	5
Д245.2S3A	TurboDiesel	4750	4	110	6
Д245.2C2	TurboDiesel	4750	4	110	5
Д245.4	TurboDiesel	4750	4	110	4
Д245.5	TurboDiesel	4750	4	110	4
Д245.7E2	TurboDiesel	4750	4	110	5
Д245.7E3	TurboDiesel	4750	4	110	6
Д245.7E4	TurboDiesel	4750	4	110	7
Д245.9E2	TurboDiesel	4750	4	110	5
Д245.9E3	TurboDiesel	4750	4	110	6
Д245.9E4	TurboDiesel	4750	4	110	7
Д245.11E2	TurboDiesel	4750	4	110	5
Д245.30E3	TurboDiesel	4750	4	110	6
Д245.35E3	TurboDiesel	4750	4	110	6
Д245.35E4	TurboDiesel	4750	4	110	7
Д260.1	TurboDiesel	7120	6	110	4
Д260.1C	TurboDiesel	7120	6	110	4
Д260.1C2	TurboDiesel	7120	6	110	5
Д260.1C3A 1S3A	TurboDiesel	7120	6	110	6
Д260.2S3A	TurboDiesel	7120	6	110	6
Д260.2	TurboDiesel	7120	6	110	4
Д260.2C	TurboDiesel	7120	6	110	4
Д260.2C2	TurboDiesel	7120	6	110	5
Д260.5E3	TurboDiesel	7120	6	110	6
Д260.8	TurboDiesel	7120	6	110	4
Д260.9	TurboDiesel	7120	6	110	4
Д260.9C2	TurboDiesel	7120	6	110	5
Д260.11	TurboDiesel	7120	6	110	4
Д260.11E2	TurboDiesel	7120	6	110	5
Д260.12E3	TurboDiesel	7120	6	110	6
Д260.14C	TurboDiesel	7120	6	110	4
Д260.14C2	TurboDiesel	7120	6	110	5
Д65	Diesel	4942	4	110	1

1 | Ø 110

Д65	4 Cyl.	17:1	┌┐ 130	4942cc	44...48 kW (60...65 HP)	Diesel
Д240	4 Cyl.	16:1	┌┐ 125	4750cc	59 kW (80 HP)	Diesel

Д65-1004021-1



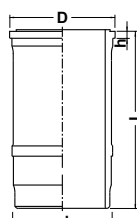
H=79,0
B=-27,0
BØ=38,0
L=125,0

240-1004060-A1



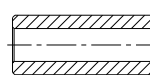
3,0 CR, P
3,0 P
3,0 P
6,0 CR, P

240-1002021



WH
D=133,0
h=9,12
d=125
L=245,0

K50-1004042-A2

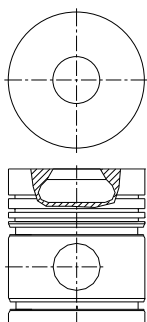


D=38,0
L=92,0

Д65-1000108-C
240-1000108-C5*

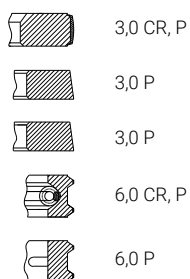


240-1004021*



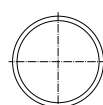
H=79,0
B=-27,0
BØ=38,0
L=125,0

240-1004060-A2*



3,0 CR, P
3,0 P
3,0 P
6,0 CR, P
6,0 P

50-1002022 x2



240-1004022 x2



Д65-1000105-C
240-1000105-C5*



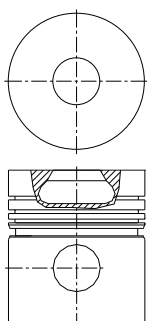
Д65-1000104
240-1000104-C5*



2 | Ø 110

Д240	4 Cyl.	16:1	┌┐ 125	4750cc	59 kW (80 HP)	Diesel
Д242	4 Cyl.	16:1	┌┐ 125	4750cc	46 kW (62 HP)	Diesel
Д243	4 Cyl.	16:1	┌┐ 125	4750cc	60 kW (81 HP)	Diesel
Д244	4 Cyl.	16:1	┌┐ 125	4750cc	42 kW (57 HP)	Diesel

Д65-1004021-1



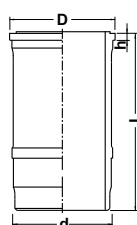
H=79,0
B=-27,0
BØ=38,0
L=125,0

240-1004060-A1



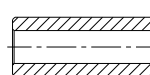
3,0 CR, P
3,0 P
3,0 P
6,0 CR, P

K245-1002021-A1



WH
D=133,0
h=9,12
d=125
L=230,0

K50-1004042-A2



D=38,0
L=92,0

240-1000108-C



240-1000105-C

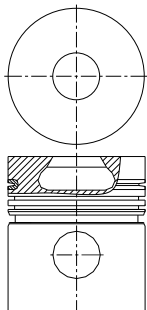


240-1000104



D245	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
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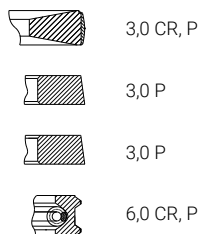
K245-1004021



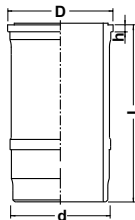
RT

H=79,0
B=-28,6
BØ=38,0
L=125,0

245-1004060-A



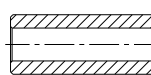
K245-1002021-A1



WH

D=133,0
h=9,12
d=125,0
L=230,0

K50-1004042-A2

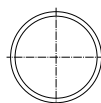


D=38,0
L=92,0

J38x1,5 DIN 472 x2



50-1002022 x2



245-1000108-C



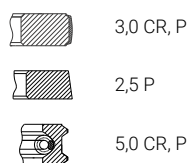
245-1000105-C



245-1000104



240-1004060-B

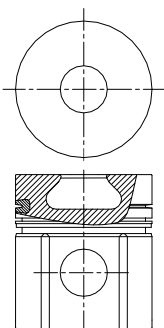


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4 | Ø 110

Д245.2	4 Cyl.	17:1	┌┐ 125	4750cc	77 kW (105 HP)	TurboDiesel
Д245.4	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д245.5	4 Cyl.	17:1	┌┐ 125	4750cc	60 kW (81 HP)	TurboDiesel
Д260.1	6 Cyl.	17:1	┌┐ 125	7120cc	118 kW (160 HP)	TurboDiesel
Д260.1C	6 Cyl.	17:1	┌┐ 125	7120cc	114 kW (155 HP)	TurboDiesel
Д260.2	6 Cyl.	17:1	┌┐ 125	7120cc	116 kW (157 HP)	TurboDiesel
Д260.2C	6 Cyl.	17:1	┌┐ 125	7120cc	98 kW (133 HP)	TurboDiesel
Д260.8	6 Cyl.	17:1	┌┐ 125	7120cc	75 kW (102 HP)	TurboDiesel
Д260.9	6 Cyl.	17:1	┌┐ 125	7120cc	132 kW (180 HP)	TurboDiesel
Д260.11	6 Cyl.	17:1	┌┐ 125	7120cc	136 kW (185 HP)	TurboDiesel
Д260.14C	6 Cyl.	17:1	┌┐ 125	7120cc	103 kW (140 HP)	TurboDiesel

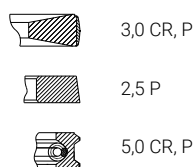
K260-1004021-B



RT

H=79,0
B=-27,0
BØ=38,0
L=125,0

K260-1004060-B

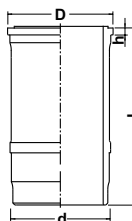


3,0 CR, P

2,5 P

5,0 CR, P

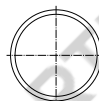
K245-1002021-A1



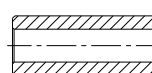
WH

D=133,0
h=9,12
d=125,0
L=230,0

50-1002022 x2



K50-1004042-A2



D=38,0
L=92,0

240-1004022 x2



260-1000108-C



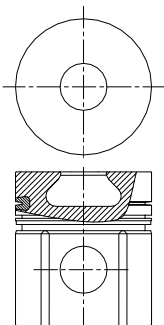
260-1000105-C



260-1000104



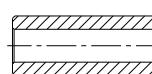
K260-1004021-T



RT

H=79,0
B=-27,0
BØ=38,0
L=125,0

K245-1004042-B1



D=42,0
L=92,0

J42x1,75 DIN 472 x2



260-1000108-T



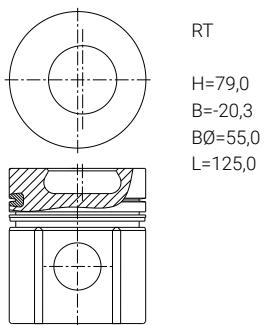
260-1000105-T



5 | Ø 110

Д245.2S2	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д245.2C2	4 Cyl.	17:1	┌┐ 125	4750cc	81 kW (110 HP)	TurboDiesel
Д245.7E2	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д245.9E2	4 Cyl.	17:1	┌┐ 125	4750cc	100 kW (136 HP)	TurboDiesel
Д245.11E2	4 Cyl.	17:1	┌┐ 125	4750cc	79 kW (107 HP)	TurboDiesel
Д260.1C2	6 Cyl.	17:1	┌┐ 125	7120cc	116 kW (157 HP)	TurboDiesel
Д260.2C2	6 Cyl.	17:1	┌┐ 125	7120cc	98 kW (133 HP)	TurboDiesel
Д260.9C2	6 Cyl.	17:1	┌┐ 125	7120cc	132 kW (180 HP)	TurboDiesel
Д260.11E2	6 Cyl.	17:1	┌┐ 125	7120cc	136 kW (185 HP)	TurboDiesel
Д260.14C2	6 Cyl.	17:1	┌┐ 125	7120cc	103 kW (140 HP)	TurboDiesel

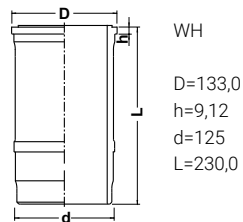
K260-1004021-Ж



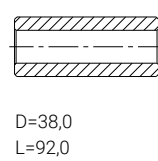
260-1004060-B



K245-1002021-A1



K50-1004042-A2



260-1000108-A



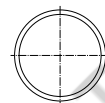
260-1000105-A



260-1000104-A



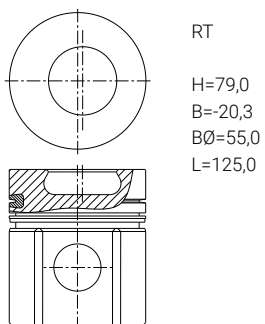
50-1002022 x2



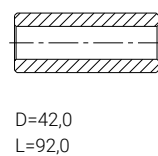
240-1004022 x2



K260-1004021-M



K245-1004042-B1



260-1000108-M



260-1000105-M



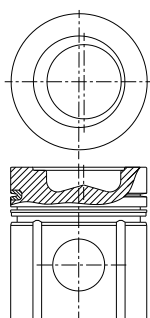
J42x1,75 DIN 472 x2



6 | Ø 110

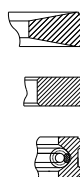
Д245.2S3A	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д245.7E3	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д245.9E3	4 Cyl.	17:1	┌┐ 125	4750cc	100 kW (136 HP)	TurboDiesel
Д245.30E3	4 Cyl.	17:1	┌┐ 125	4750cc	115 kW (155 HP)	TurboDiesel
Д245.35E3	4 Cyl.	17:1	┌┐ 125	4750cc	90 kW (122 HP)	TurboDiesel
Д260.1C3A	6 Cyl.	17:1	┌┐ 125	7120cc	111 kW (150 HP)	TurboDiesel
Д260.2S3A	6 Cyl.	17:1	┌┐ 125	7120cc	100 kW (136 HP)	TurboDiesel
Д260.5E3	6 Cyl.	17:1	┌┐ 125	7120cc	103 kW (140 HP)	TurboDiesel
Д260.12E3	6 Cyl.	17:1	┌┐ 125	7120cc	103 kW (140 HP)	TurboDiesel

K245-1004021-Г



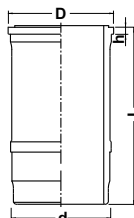
RT
H=79,0
B=-20,0
BØ=60,0
L=125,0

260-1004060-Б



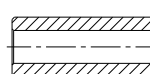
3,0 CR, P
2,5 P
5,0 CR, P

K245-1002021-A1



WH
D=133,0
h=9,12
d=125,0
L=230,0

K50-1004042-A2



D=38,0
L=92,0

J38x1,5 DIN 472 x2



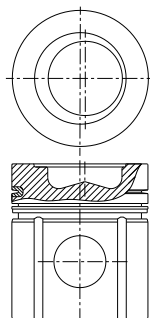
245-1000108-Г



245-1000105-Г

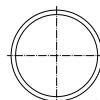


K245-1004021-Б

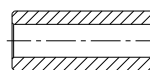


RT, TPL
H=79,0
B=-20,0
BØ=60,0
L=125,0

50-1002022 x2



K245-1004042-Б1



D=42,0
L=92,0

J42x1,75 DIN 472 x2



245-1000108-Б

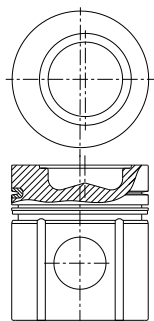


245-1000105-Б



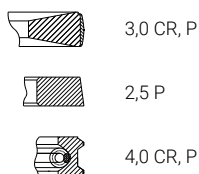
Д245.7Е4	4 Cyl.	17:1	┌┐ 125	4750cc	96 kW (130 HP)	TurboDiesel
Д245.9Е4	4 Cyl.	17:1	┌┐ 125	4750cc	100 kW (136 HP)	TurboDiesel
Д245.35Е4	4 Cyl.	17:1	┌┐ 125	4750cc	130 kW (177 HP)	TurboDiesel

K245-1004021-Л



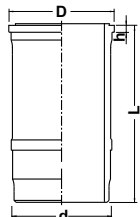
RT
H=79,0
B=-16,6
BØ=68,0
L=125,0

262-1004060



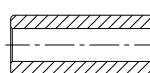
3,0 CR, P
2,5 P
4,0 CR, P

K245-1002021-A1



WH
D=133,0
h=9,12
d=125,0
L=230,0

K50-1004042-A2



D=38,0
L=92,0

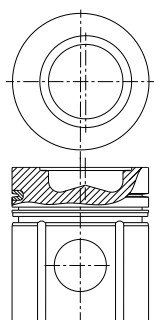
245-1000108-Л



245-1000105-Л

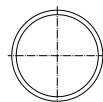


K245-1004021-E



RT, TPL
H=79,0
B=-16,6
BØ=68,0
L=125,0

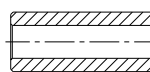
50-1002022 x2



J38x1,5 DIN 472 x2



K245-1004042-B1



D=42,0
L=92,0

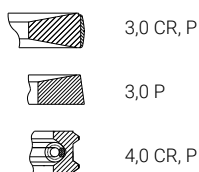
245-1000108-E



245-1000105-E



262-1004060-B



3,0 CR, P
3,0 P
4,0 CR, P





Размерные группы цилиндров

240-1002021		K245-1002021-A1	
Группа	Размер, мм	Группа	Размер, мм
М	110,00 ... 110,02	М	110,00 ... 110,02
С	110,02 ... 110,04	С	110,02 ... 110,04
Б	110,04 ... 110,06	Б	110,04 ... 110,06

Размерные группы поршней

Группа	Д65-1004021-1	K245-1004021	K260-1004021-В K260-1004021-Т	K260-1004021-Ж K260-1004021-М	K245-1004021-Б K245-1004021-Г	K245-1004021-Е K245-1004021-Л
	Размер, мм					
М	109,88 ... 109,90			109,89 ... 109,91		
С	109,90 ... 109,92			109,91 ... 109,93		
Б	109,92 ... 109,94			109,93 ... 109,95		

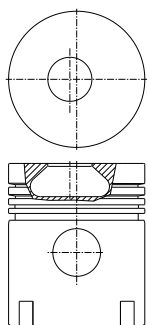
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		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
СМД-14БН	Diesel	6300	4	120	3
СМД-14Н	Diesel	6300	4	120	3
СМД-15Н	Diesel	6300	4	120	3
СМД-17КН	TurboDiesel	6300	4	120	1
СМД-17Н	TurboDiesel	6300	4	120	2
СМД-18Н	TurboDiesel	6300	4	120	2
СМД-18НП	TurboDiesel	6300	4	120	2
СМД-19	TurboDiesel	6300	4	120	1
СМД-20	TurboDiesel	6300	4	120	1
СМД-21	TurboDiesel	6300	4	120	2
СМД-22	TurboDiesel	6300	4	120	2
СМД-22А	TurboDiesel	6300	4	120	2
СМД-60	TurboDiesel	9150	V6	130	4
СМД-61	TurboDiesel	9150	V6	130	4
СМД-62	TurboDiesel	9150	V6	130	4
СМД-63	TurboDiesel	9150	V6	130	4
СМД-64	TurboDiesel	9150	V6	130	4
СМД-65	TurboDiesel	9150	V6	130	4
СМД-66	TurboDiesel	9150	V6	130	4
СМД-72	TurboDiesel	9150	V6	130	4
СМД-73	TurboDiesel	9150	V6	130	4

1 | Ø 120

СМД-14Н	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel
СМД-14БН	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel
СМД-15Н	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel
СМД-17КН	4 Cyl.	16:1	┌┐ 140	6300cc	74 kW (100 HP)	TurboDiesel
СМД-19	4 Cyl.	16:1	┌┐ 140	6300cc	88 kW (120 HP)	TurboDiesel
СМД-20	4 Cyl.	16:1	┌┐ 140	6300cc	88 kW (120 HP)	TurboDiesel

20-0305A-11

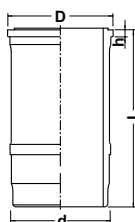


H=78,5
B=-29,3
BØ=38,8
L=143,0

20-03c6-11

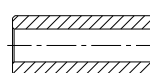


14-0102-01



WH
D=142,0
h=10,2
d=133,0
L=263,0

СМД9-0306-1A



D=42,0
L=102,0

20-03c8



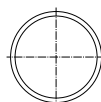
20-03c5



20-01c15



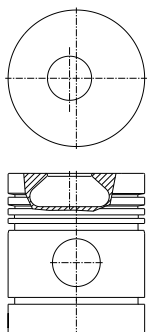
СМД9-0128 x1
14-0141 x1



J42x1,75 DIN 472 x2

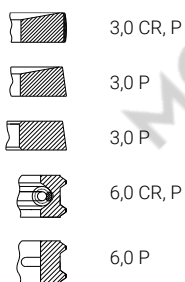


20-0305AП



H=78,5
B=-29,3
BØ=38,8
L=143,0

20-03c6-A5



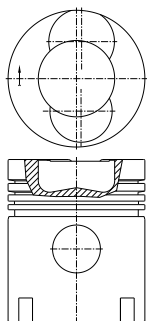
20-01c15-K5



2 | Ø 120

СМД-17Н	4 Cyl.	16:1	┌┐ 140	6300cc	74 kW (100 HP)	TurboDiesel
СМД-18Н	4 Cyl.	15,5:1	┌┐ 140	6300cc	74 kW (100 HP)	TurboDiesel
СМД-18НП	4 Cyl.	16:1	┌┐ 140	6300cc	74 kW (100 HP)	TurboDiesel
СМД-21	4 Cyl.	16:1	┌┐ 140	6300cc	107 kW (145 HP)	TurboDiesel
СМД-22	4 Cyl.	16:1	┌┐ 140	6300cc	107 kW (145 HP)	TurboDiesel
СМД-22А	4 Cyl.	16:1	┌┐ 140	6300cc	107 kW (145 HP)	TurboDiesel

22-0305A-11

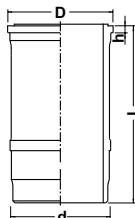


H=78,5
B=-28,7
BØ=67,0
e1=1,5
e2=1,5
L=143,0

20-03c6-11

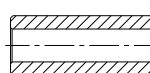


14-0102-01



WH
D=142,0
h=10,2
d=133,0
L=263,0

СМД9-0306-1А



D=42,0
L=102,0

J42x1,75 DIN 472 x2



22-03c8



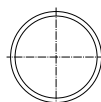
22-03c5



22-01c15



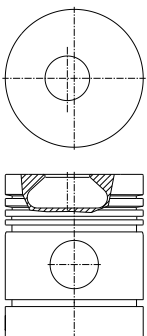
СМД9-0128 x1
14-0141 x1



3 | Ø 120

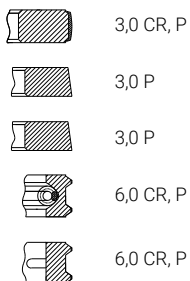
СМД-14Н	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel
СМД-14БН	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel
СМД-15Н	4 Cyl.	16:1	┌┐ 140	6300cc	61 kW (83 HP)	Diesel

14Н-0305АП

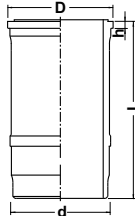


H=78,5
B=-28,5
BØ=38,8
L=143,0

14-03c6-A5

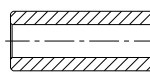


14-0102-01



WH
D=142,0
h=10,2
d=133,0
L=263,0

СМД9-0306-1А



D=42,0
L=102,0

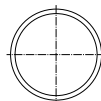
J42x1,75 DIN 472 x2



14-01c15-K5



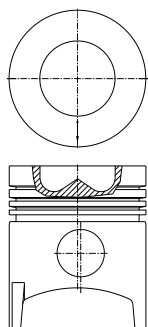
СМД9-0128 x1
14-0141 x1



4 | Ø 130

СМД-60	V6 Cyl.	15:1	┌┐ 115	9150cc	117 kW (160 HP)	TurboDiesel
СМД-61	V6 Cyl.	15:1	┌┐ 115	9150cc	117 kW (160 HP)	TurboDiesel
СМД-62	V6 Cyl.	15:1	┌┐ 115	9150cc	128 kW (175 HP)	TurboDiesel
СМД-63	V6 Cyl.	15:1	┌┐ 115	9150cc	128 kW (175 HP)	TurboDiesel
СМД-64	V6 Cyl.	15:1	┌┐ 115	9150cc	117 kW (160 HP)	TurboDiesel
СМД-65	V6 Cyl.	15:1	┌┐ 115	9150cc	117 kW (160 HP)	TurboDiesel
СМД-66	V6 Cyl.	15:1	┌┐ 115	9150cc	132 kW (180 HP)	TurboDiesel
СМД-72	V6 Cyl.	15:1	┌┐ 115	9150cc	158 kW (215 HP)	TurboDiesel
СМД-73	V6 Cyl.	15:1	┌┐ 115	9150cc	158 kW (215 HP)	TurboDiesel

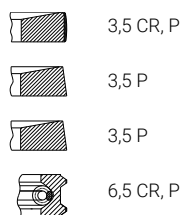
60-03105.31A



AK

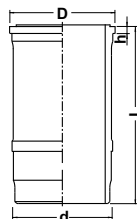
H=83,0
B=24,6
BØ=71,5
L=155,0

236-1004002-A4



3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

60-01102-12



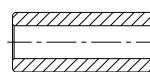
WH

D=160,0
h=12,13
d=151
L=223,0

СМД9-0128 x2



60-03106.00



D=45,0
L=110,0

740.1004022 x2



60-01c15



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Размерные группы гильз

14-0102-01		60-01102-12	
Группа	Размер, мм	Группа	Размер, мм
М	120,000 ... 120,020	М	130,000 ... 130,020
С	120,020 ... 120,040	Б	130,020 ... 130,040
Б	120,040 ... 120,060	Ж	130,040 ... 130,060

Размерные группы поршней

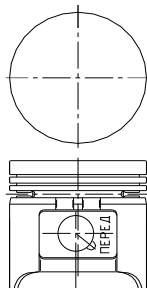
	20-0305А-11	22-0305А-11	14Н-0305-АП	60-03105.31А	
Группа	Размер, мм			Группа	Размер, мм
М	119,780 ... 119,800	119,760 ... 119,780	119,800 ... 119,820	М	129,744 ... 129,764
С	119,800 ... 119,820	119,780 ... 119,800	119,820 ... 119,840	Б	129,764 ... 129,784
Б	119,820 ... 119,840	119,800 ... 119,820	119,840 ... 119,860	Ж	129,784 ... 129,804

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1 | Ø 92

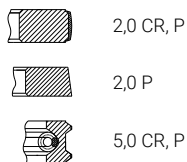
4178.10	4 Cyl.	7,0:1	┌┐-92	2445cc	68 kW (92 HP)	Benzin
420.10	4 Cyl.	8,2:1	┌┐-92	2445cc	75 kW (102 HP)	Benzin

53-1004015-24



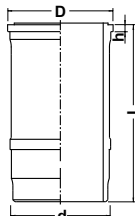
H=51,0
L=92,0

402.1000100



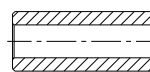
2,0 CR, P
2,0 P
5,0 CR, P

21-1002020-53



WH
D=112,5
d=100,0
h=5,0
L=170,0

21-1004020-14



D=25,0
L=66,0

BK-21-1000105-A4



BK-21-1000110



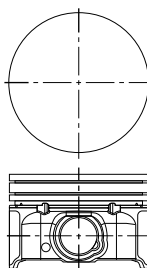
21-1004022-01 x2



2 | Ø 96,5

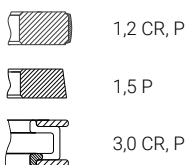
A274 (EvoTech)	4 Cyl.	10,0:1	┌┐-92	2691cc	78,5 kW (106,8 HP)	Benzin
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A274.1004015 (STD)
A274.1004015-AP (0.50)



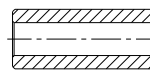
H=43,2
L=66,0

A274.1004024 (STD)
A274.1004024-AP (0.50)



1,2 CR, P
1,5 P
3,0 CR, P

A274.1004020



D=25,0
L=62,0

A274.1004018 (STD)
A274.1004018 (0.50)



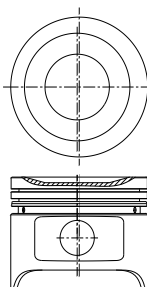
21-1004022-01 x2



3 | Ø 100

4218.10	4 Cyl.	7,0:1	┌┐-92	2890cc	67 kW (89HP)	Benzin
4213.10	4 Cyl.	8,2:1	┌┐-92	2890cc	72 kW (98HP)	Benzin

421.1004015 (STD)
421.1004015-P3 (0.50)
421.1004015-P5 (1.00)



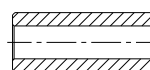
H=43,5
B=-4,0
BØ=77,0
L=80,0

421.1004024 (STD)
421.1004024-P1 (0.50)
421.1004024-P5 (1.00)



2,0 CR, P
2,0 P
5,0 CR, P

421.1004020-01



D=25,0
L=66,0

421.1004018 (STD)
421.1004018-P (0.50)
421.1004018-P5 (1.00)



21-1004022-01 x2



4216 (всех модиф.)

4 Cyl.

8,8:1

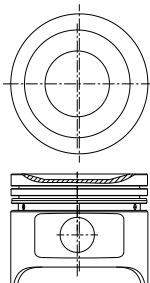
∟ 92

2890cc

90 kW (123 HP)

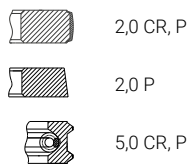
Benzin

421.1004015-23 (STD)
421.1004015-23-P3 (0.50)
421.1004015-23-P5 (1.00)

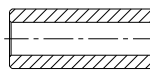


H=43,5
B=-1,35
BØ=77,0
L=80,0

421.1004024 (STD)
421.1004024-P1 (0.50)
421.1004024-P5 (1.00)



421.1004020-01



D=25,0
L=66,0

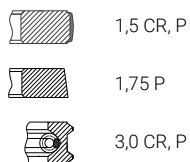
21-1004022-01 x2



421.1004018-23 (STD)
421.100 4018-23-P (0.50)
421.1004018-23-P5 (1.00)



421.1004024-10 (STD)



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Размерные группы гильз (цилиндров)

Группа	21-1002020-Б3	Двиг.: УМЗ 421	Двиг.: А274	
	Размер, мм		Группа	Размер, мм
А	92,012 ... 92,024	100,024 ... 100,036	А	96,500 ... 96,512
Б	92,024 ... 92,036	100,036 ... 100,048		
В	92,036 ... 92,048	100,048 ... 100,060	В	96,512 ... 96,524
Г	92,048 ... 92,060	100,060 ... 100,072		
Д	92,060 ... 92,072	100,072 ... 100,084	С	96,524 ... 96,536

Размерные группы поршней

Группа	53-1004015-24	421.1004015 (-23)	А274.1004015	
	Размер, мм		Группа	Размер, мм
А	91,988 ... 92,000	99,988 ... 100,000	А	96,458 ... 96,470
Б	92,000 ... 92,012	100,000 ... 100,012		
В	92,012 ... 92,024	100,012 ... 100,024	В	96,470 ... 96,482
Г	92,024 ... 92,036	100,024 ... 100,036		
Д	92,036 ... 92,048	100,036 ... 100,048	С	96,482 ... 96,494

Размерные группы по диаметру отверстия под поршневой палец

Группа	Размер, мм	
I	25,0000 ... 24,9975	Для двигателя А274 25,0100 ... 25,0040
II	24,9975 ... 24,9950	
III	24,9950 ... 24,9925	
IV	24,9925 ... 24,9900	

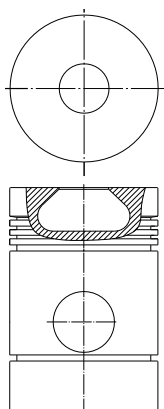
Размерные группы пальцев

Группа	21-1004020-14/421-1004020-01	А274.1004020
	Размер, мм	
I	25,0000 ... 24,9975	24,9950 ... 24,9900
II	24,9975 ... 24,9950	
III	24,9950 ... 24,9925	
IV	24,9925 ... 24,9900	

1 | Ø 145

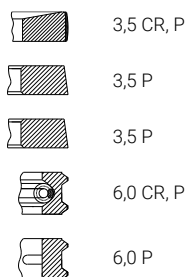
Д-160	4 Cyl.	14:1	┌┐ 205	13530cc	118 kW (160 HP)	TurboDiesel
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51-03-23

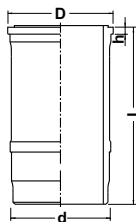


H=132,5
B=-43,0
BØ=50
L=220,0

160-1004002

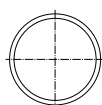


01466-2

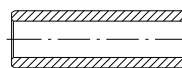


WH
D=180,0
h=13,2
d=168,0
L=382,0

40210 x2



16-03-50



D=60,0
L=120,0

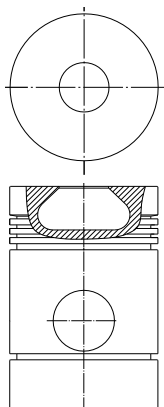
Д160-1000101



2 | Ø 150

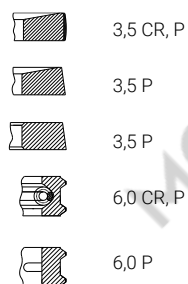
Д-160-01	4 Cyl.	14:1	┌┐ 205	14480cc	103...132 kW (140...180 HP)	TurboDiesel
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51-03-40A



H=132,5
B=-43,0
BØ=50
L=210,0

160-01-1004002

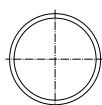


51-01-82A

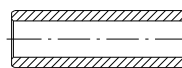


WH
D=180,0
h=13,2
d=168,0
L=382,0

40210 x2



16-03-50-01



D=60,0
L=125,0

Д160-01-1000101



Размерные группы гильз

01466-2		51-01-82А	
Группа	Размер, мм	Группа	Размер, мм
С	145,02 ... 145,05	С	150,02 ... 150,05





Размерные группы поршней

51-03-23		51-03-40А	
Группа	Размер, мм	Группа	Размер, мм
С	144,66 ... 144,69	С	149,66 ... 149,69

Диаметр отверстия под поршневой палец: 60,010 ... 60,029 мм.

Диаметр поршневого пальца: 59,992 ... 60,000 мм.

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		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
236А	Diesel	11150	V6	130	2,3
236Б	TurboDiesel	11150	V6	130	4,5,6,14
236БЕ	TurboDiesel	11150	V6	130	4,5,6,14
236БЕ2	TurboDiesel	11150	V6	130	10,12
236БЕ2-1	TurboDiesel	11150	V6	130	11,13
236БИ	TurboDiesel	11150	V6	130	4,5,6,14
236БК	TurboDiesel	11150	V6	130	4,5,6,14
236Г	Diesel	11150	V6	130	2,3
236Д	Diesel	11150	V6	130	2,3
236ДК	Diesel	11150	V6	130	2,3
236М2	Diesel	11150	V6	130	2,3
236Н	TurboDiesel	11150	V6	130	4,5,6,14
236НБ	TurboDiesel	11150	V6	130	4,5,6,14
236НД	TurboDiesel	11150	V6	130	4,5,6,14
236НЕ	TurboDiesel	11150	V6	130	4,5,6,14
236НЕ2	TurboDiesel	11150	V6	130	10,12
236НЕ2-1	TurboDiesel	11150	V6	130	11,13
236НК	TurboDiesel	11150	V6	130	4,5,6,14
238АК	Diesel	14860	V8	130	2,3
238АМ2	Diesel	14860	V8	130	2,3
238Б	TurboDiesel	14860	V8	130	4,5,6,14
238БВ	TurboDiesel	14860	V8	130	4,5,6,14
238БЕ	TurboDiesel	14860	V8	130	4,5,6,14
238БЕ2	TurboDiesel	14860	V8	130	11,13
238БК	TurboDiesel	14860	V8	130	4,5,6,14
238БЛ	TurboDiesel	14860	V8	130	4,5,6,14
238ВМ	Diesel	14860	V8	130	2,3
238ГМ2	Diesel	14860	V8	130	2,3
238Д	TurboDiesel	14860	V8	130	4,5,6,14
238ДЕ	TurboDiesel	14860	V8	130	4,5,6,14
238ДЕ2	TurboDiesel	14860	V8	130	11,13
238ДИ	TurboDiesel	14860	V8	130	4,5,6,14
238ДК	TurboDiesel	14860	V8	130	4,5,6,14
238ИМ2	Diesel	14860	V8	130	2,3
238М2	Diesel	14860	V8	130	2,3
238НД3	TurboDiesel	14860	V8	130	4,5,6,14
238НД4	TurboDiesel	14860	V8	130	4,5,6,14
238НД5	TurboDiesel	14860	V8	130	4,5,6,14
238НД6	TurboDiesel	14860	V8	130	4,5,6,14
238НД8	TurboDiesel	14860	V8	130	4,5,6,14
240Б	Diesel	22290	V12	130	2

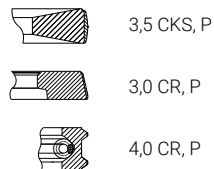
РАБОЧИЙ
ОБЪЕМПОРЯДКОВЫЙ
НОМЕР

		РАБОЧИЙ ОБЪЕМ			ПОРЯДКОВЫЙ НОМЕР
240БМ2-4	Diesel	22290	V12	130	7
240БМ2-1	Diesel	22290	V12	130	2
240H	TurboDiesel	22290	V12	130	4,5,6
240HM2	TurboDiesel	22290	V12	130	8,9
240ПМ2	TurboDiesel	22290	V12	130	8,9
240M2	Diesel	22290	V12	130	7
650	TurboDiesel	11120	6	123	1
6561	TurboDiesel	11150	V6	130	15
6562	TurboDiesel	11150	V6	130	16
6563	TurboDiesel	11150	V6	130	16
6565	TurboDiesel	11150	V6	130	16
65651	TurboDiesel	11150	V6	130	16
65652	TurboDiesel	11150	V6	130	16
65653	TurboDiesel	11150	V6	130	16
65654	TurboDiesel	11150	V6	130	16
6566	TurboDiesel	11150	V6	130	16
6581.10	TurboDiesel	14860	V8	130	16
6582.10	TurboDiesel	14860	V8	130	16
6583.10	TurboDiesel	14860	V8	130	15
6585	TurboDiesel	14860	V8	130	16
7511.10	TurboDiesel	14860	V8	130	10,12
7511.10-06	TurboDiesel	14860	V8	130	11,13
7512.10	TurboDiesel	14860	V8	130	11,13
7513.10	TurboDiesel	14860	V8	130	10,12
7514.10	TurboDiesel	14860	V8	130	11,13
7601.10	TurboDiesel	11150	V6	130	10,12
8401.10 Euro 1	TurboDiesel	25860	V12	140	17
8421.10	TurboDiesel	17240	V8	140	17
8423.10	TurboDiesel	17240	V8	140	17
8424.10	TurboDiesel	17240	V8	140	17
8424.10-01	TurboDiesel	17240	V8	140	17
8424.10-03	TurboDiesel	17240	V8	140	18
8424.10-04	TurboDiesel	17240	V8	140	17
8424.10-08	TurboDiesel	17240	V8	140	18
8424.10-33	TurboDiesel	17240	V8	140	18
8435.10	TurboDiesel	17240	V8	140	18
8463.10	TurboDiesel	17240	V8	140	18
8481.10-04	TurboDiesel	17240	V8	140	18
850 Euro 0	TurboDiesel	25860	V12	140	17
8501 Euro 0	TurboDiesel	25860	V12	140	17
8502 Euro 0	TurboDiesel	25860	V12	140	17
8503 Euro 0	TurboDiesel	25860	V12	140	17
8522.10	TurboDiesel	17240	V8	140	18
85226.10	TurboDiesel	17240	V8	140	18

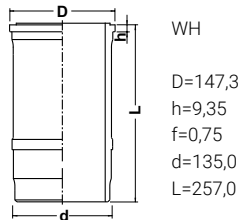
1 | Ø 123

650	6 Cyl.	16,4:1	┌┐ 156	11120cc	303 kW (412 HP)	TurboDiesel
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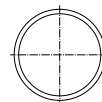
650.1004002



650.1002021



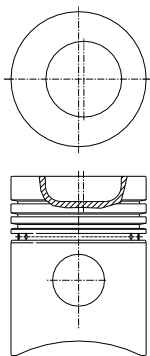
650.1002023 x1 650.1002031 x2 650.1002024 x1



2 | Ø 130

236А	V6 Cyl.	16,5:1	┌┐ 140	11150cc	143 kW (195 HP)	Diesel
236Г	V6 Cyl.	16,5:1	┌┐ 140	11150cc	110 kW (150 HP)	Diesel
236Д	V6 Cyl.	16,5:1	┌┐ 140	11150cc	129 kW (175 HP)	Diesel
236ДК	V6 Cyl.	16,5:1	┌┐ 140	11150cc	136 kW (185 HP)	Diesel
236М2	V6 Cyl.	16,5:1	┌┐ 140	11150cc	132 kW (180 HP)	Diesel
238АК	V8 Cyl.	16,5:1	┌┐ 140	14860cc	173 kW (235 HP)	Diesel
238АМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	165 kW (225 HP)	Diesel
238ВМ	V8 Cyl.	16,5:1	┌┐ 140	14860cc	177 kW (240 HP)	Diesel
238ГМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	132 kW (180 HP)	Diesel
238ИМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	140 kW (190 HP)	Diesel

236-1004015-Д

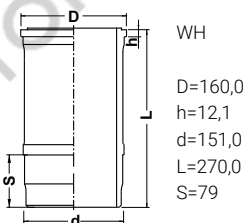


H=100,0
B=24,3
BØ=73,0
L=172,5

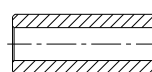
236-1004002-A4



236-1002021-A5



236-1004020



D=50,0
L=110,0

236-1004006



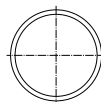
236-1004022-Б x2



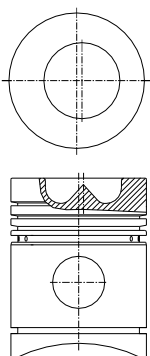
236-1004005



236-1002024-A x2 236-1002040 x1

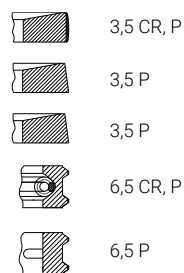


236-1004015-Д-ГЗК



H=100,0
B=24,3
BØ=73,0
L=172,5

236-1004002-A5

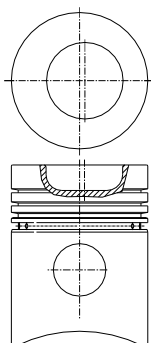


236-1004008-Б5



236А	V6 Cyl.	16,5:1	┌┐ 140	11150cc	143 kW (195 HP)	Diesel
236Г	V6 Cyl.	16,5:1	┌┐ 140	11150cc	110 kW (150 HP)	Diesel
236Д	V6 Cyl.	16,5:1	┌┐ 140	11150cc	129 kW (175 HP)	Diesel
236ДК	V6 Cyl.	16,5:1	┌┐ 140	11150cc	136 kW (185 HP)	Diesel
236М2	V6 Cyl.	16,5:1	┌┐ 140	11150cc	132 kW (180 HP)	Diesel
238АК	V8 Cyl.	16,5:1	┌┐ 140	14860cc	173 kW (235 HP)	Diesel
238АМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	165 kW (225 HP)	Diesel
238ВМ	V8 Cyl.	16,5:1	┌┐ 140	14860cc	177 kW (240 HP)	Diesel
238ГМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	132 kW (180 HP)	Diesel
238ИМ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	140 kW (190 HP)	Diesel
238М2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	177 kW (240 HP)	Diesel

236-1004015-Д



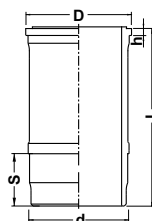
H=100,0
B=24,3
BØ=73,0
L=172,5

236-1004002-А4



3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

236-1002021-Б2

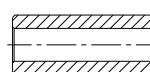


WH
D=160,0
h=12,1
d=151,0
L=270,0
S=94

236-1002024-А x2
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



236-1004006-Б



236-1004005-Б

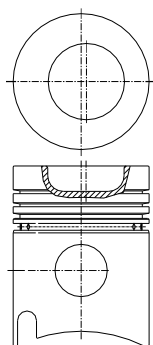


236-1004008-Б2



236Б	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БЕ	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БИ	V6 Cyl.	16,5:1	~ 140	11150cc	162 kW (220 HP)	TurboDiesel
236БК	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236Н	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НБ	V6 Cyl.	16,5:1	~ 140	11150cc	121 kW (165 HP)	TurboDiesel
236НД	V6 Cyl.	16,5:1	~ 140	11150cc	155 kW (210 HP)	TurboDiesel
236НЕ	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НК	V6 Cyl.	16,5:1	~ 140	11150cc	136 kW (185 HP)	TurboDiesel
238Б	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БВ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БЕ	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БЛ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238Д	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДЕ	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДИ	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238ДК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238НДЗ	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД4	V8 Cyl.	16,5:1	~ 140	14860cc	184 kW (250 HP)	TurboDiesel
238НД5	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238НД6	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД8	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel

238НБ-1004015



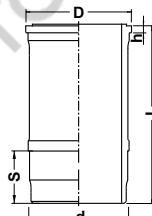
AK
H=100,0
B=24,5
BØ=76,0
L=172,5

236-1004002-A4



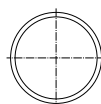
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

236-1002021-A5

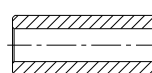


WH
D=160,0
h=12,1
d=151,0
L=270,0
S=79

236-1002024-A x1
236-1002023 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



238НБ-1004006



238НБ-1004005

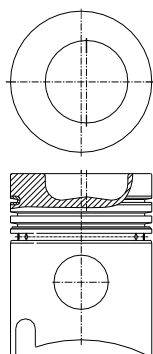


238НБ-1004008



236Б	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БЕ	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БИ	V6 Cyl.	16,5:1	~ 140	11150cc	162 kW (220 HP)	TurboDiesel
236БК	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236Н	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НБ	V6 Cyl.	16,5:1	~ 140	11150cc	121 kW (165 HP)	TurboDiesel
236НД	V6 Cyl.	16,5:1	~ 140	11150cc	155 kW (210 HP)	TurboDiesel
236НЕ	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НК	V6 Cyl.	16,5:1	~ 140	11150cc	136 kW (185 HP)	TurboDiesel
238Б	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БВ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БЕ	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БЛ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238Д	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДЕ	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДИ	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238ДК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238НДЗ	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД4	V8 Cyl.	16,5:1	~ 140	14860cc	184 kW (250 HP)	TurboDiesel
238НД5	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238НД6	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД8	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel

238НБ-1004015-Б4



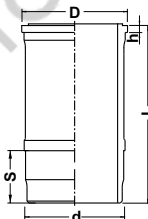
RT, AK
H=100,0
B=24,6
BØ=73,0
L=167,0

236-1004002-A4



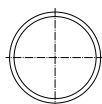
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

236-1002021-A5

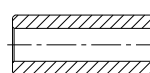


WH
D=160,0
h=12,1
d=151,0
L=270,0
S=79

236-1002024-A x1
236-1002023 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



238Б-1004006



238Б-1004005

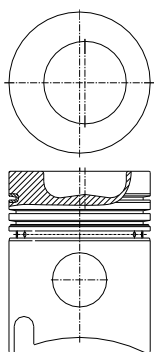


238Б-1004008



236Б	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БЕ	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БИ	V6 Cyl.	16,5:1	~ 140	11150cc	162 kW (220 HP)	TurboDiesel
236БК	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236Н	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НБ	V6 Cyl.	16,5:1	~ 140	11150cc	121 kW (165 HP)	TurboDiesel
236НД	V6 Cyl.	16,5:1	~ 140	11150cc	155 kW (210 HP)	TurboDiesel
236НЕ	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НК	V6 Cyl.	16,5:1	~ 140	11150cc	136 kW (185 HP)	TurboDiesel
238Б	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БВ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БЕ	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БЛ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238Д	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДЕ	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДИ	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238ДК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238НДЗ	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД4	V8 Cyl.	16,5:1	~ 140	14860cc	184 kW (250 HP)	TurboDiesel
238НД5	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238НД6	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД8	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel

238НБ-1004015-Б4



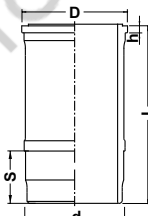
RT, AK
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B=24,6
BØ=73,0
L=167,0

236-1004002-A4



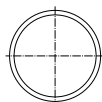
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

236-1002021-Б2

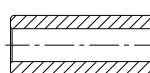


WH
D=160,0
h=12,1
d=151,0
L=270,0
S=94

236-1002024-A x1
236-1002023 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



238Б-1004006-Б



238Б-1004005-Б



238Б-1004008-Б2

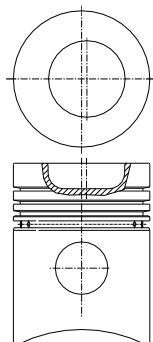


7 | Ø 130

240M2	V12 Cyl.	16,5:1	~ 140	22290cc	265 kW (360 HP)	Diesel
240БМ	V12 Cyl.	16,5:1	~ 140	22290cc	221 kW (300 HP)	Diesel
240БМ2-4	V12 Cyl.	16,5:1	~ 140	22290cc	221 kW (300 HP)	Diesel

Двигатели с индивидуальной головкой

236-1004015-Д



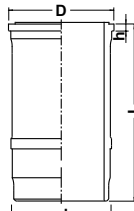
H=100,0
B=24,3
BØ=73,0
L=172,5

236-1004002-A4



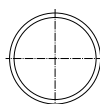
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

240-1002021-Б4

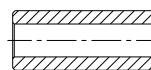


WH
D=160,0
h=11,8
d=151,0
L=270,0

236-1002024-A x1
236-1002023 x1
25 3111 6594 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



240-1004005



240-1004008

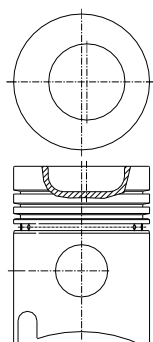


8 | Ø 130

240ПМ2	V12 Cyl.	16,5:1	~ 140	22290cc	309 kW (420 HP)	TurboDiesel
240НМ2	V12 Cyl.	16,5:1	~ 140	22290cc	368 kW (500 HP)	TurboDiesel

Двигатели с индивидуальной головкой

238НБ-1004015



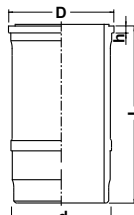
AK
H=100,0
B=24,5
BØ=76,0
L=172,5

236-1004002-A4



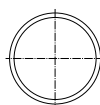
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

240-1002021-Б4

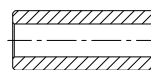


WH
D=160,0
h=11,8
d=151,0
L=270,0

236-1002024-A x1
236-1002023 x1
25 3111 6594 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



240П-1004005-Б



240П-1004008-Б

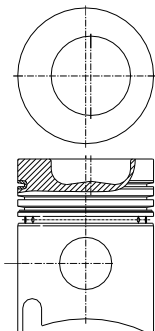


9 | Ø 130

240ПМ2	V12 Cyl.	16,5:1	∩ 140	22290cc	309 kW (420 HP)	TurboDiesel
240НМ2	V12 Cyl.	16,5:1	∩ 140	22290cc	368 kW (500 HP)	TurboDiesel

Двигатели с индивидуальной головкой

238НБ-1004015-Б4



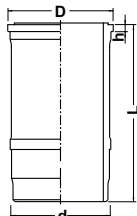
RT, AK
H=100,0
B=24,6
BØ=73,0
L=167,0

236-1004002-A4



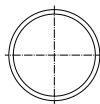
3,5 CR, P
3,5 P
3,5 P
6,5 CR, P

240-1002021-Б4

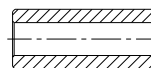


WH
D=160,0
h=11,8
d=151,0
L=270,0

236-1002024-A x1
236-1002023 x1
25 3111 6594 x1
236-1002040 x1



236-1004020



D=50,0
L=110,0

236-1004022-Б x2



240П-1004005-В



240П-1004008-В



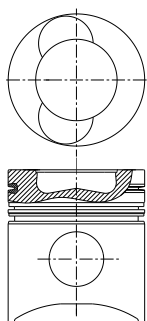
10 | Ø 130

-> 2008

236БЕ2	V6 Cyl.	16,5:1	∩ 140	11150cc	169 kW (230 HP)	TurboDiesel
236HE2	V6 Cyl.	16,5:1	∩ 140	11150cc	169 kW (230 HP)	TurboDiesel
7511.10	V8 Cyl.	16,5:1	∩ 140	14860cc	294 kW (400 HP)	TurboDiesel
7513.10	V8 Cyl.	16,5:1	∩ 140	14860cc	309 kW (420 HP)	TurboDiesel
7601.10	V6 Cyl.	16,5:1	∩ 140	11150cc	169 kW (230 HP)	TurboDiesel

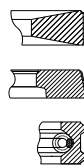
Двигатели с индивидуальной головкой

7511.1004015-01



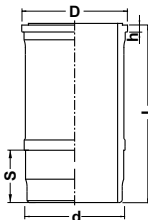
RT, TPL
H=85,0
B=22,4
BØ=73,0
e1=2,3
e2=2,3
L=145,0

7511.1004002



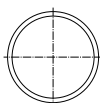
3,5 CR, P
3,0 CR, P
5,0 CR, P

7511.1002021-01

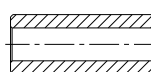


WH
D=160,0
h=9,6
d=151,0
L=255,0
S=64

236-1002024-A x1
236-1002023 x1
236-1002040 x1



7511.1004020



D=52,0
L=100,0

7511.1004022 x2



7511.1004006-01



7511.1004005-01



7511.1004008-01



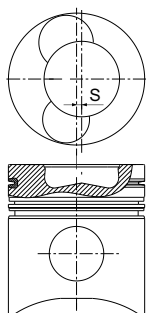
11 | Ø 130

-> 2008

236BE2-1	V6 Cyl.	16,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
236HE2-1	V6 Cyl.	16,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
238BE2	V8 Cyl.	16,5:1	┘┘ 140	14860cc	220 kW (300 HP)	TurboDiesel
238DE2	V8 Cyl.	16,5:1	┘┘ 140	14860cc	243 kW (330 HP)	TurboDiesel
7511.10-06	V8 Cyl.	16,5:1	┘┘ 140	14860cc	294 kW (400 HP)	TurboDiesel
7512.10	V8 Cyl.	16,5:1	┘┘ 140	14860cc	265 kW (360 HP)	TurboDiesel
7514.10	V8 Cyl.	16,5:1	┘┘ 140	14860cc	309 kW (420 HP)	TurboDiesel

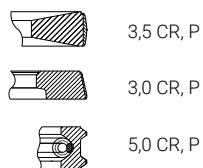
Двигатели с общей головкой

7511.1004015-10



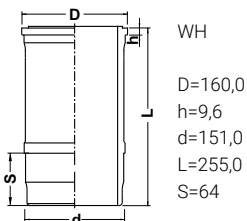
RT, TPL
H=85,0
B=-22,4
BØ=73,0
e1=2,3
e2=2,3
L=145,0
S=5,0

7511.1004002



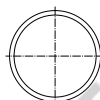
3,5 CR, P
3,0 CR, P
5,0 CR, P

7511.1002021-01

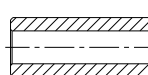


WH
D=160,0
h=9,6
d=151,0
L=255,0
S=64

236-1002024-A x1
236-1002023 x1
236-1002040 x1



7511.1004020



D=52,0
L=100,0

7511.1004022 x2



7511.1004006-10



7511.1004005-10



7511.1004008-10



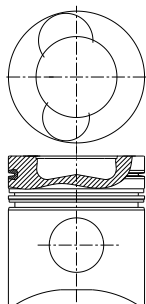
12 | Ø 130

2008 ->

236BE2	V6 Cyl.	16,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
236HE2	V6 Cyl.	16,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
7511.10	V8 Cyl.	16,5:1	┘┘ 140	14860cc	294 kW (400 HP)	TurboDiesel
7513.10	V8 Cyl.	16,5:1	┘┘ 140	14860cc	309 kW (420 HP)	TurboDiesel
7601.10	V6 Cyl.	16,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel

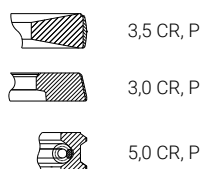
Двигатели с индивидуальной головкой

7511.1004015-01



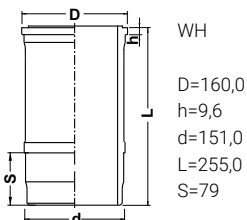
RT, TPL
H=85,0
B=-22,4
BØ=73,0
e1=2,3
e2=2,3
L=145,0

7511.1004002



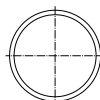
3,5 CR, P
3,0 CR, P
5,0 CR, P

7511.1002021-10

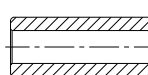


WH
D=160,0
h=9,6
d=151,0
L=255,0
S=79

236-1002024-A x1
236-1002023 x1
236-1002040 x1



7511.1004020



D=52,0
L=100,0

7511.1004022 x2



7511.1004006-40



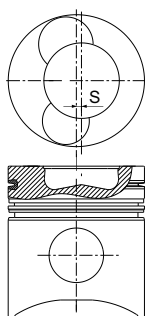
7511.1004005-40



236БЕ2-1	V6 Cyl.	16,5:1	┌┐ 140	11150cc	169 kW (230 HP)	TurboDiesel
236HE2-1	V6 Cyl.	16,5:1	┌┐ 140	11150cc	169 kW (230 HP)	TurboDiesel
238БЕ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	220 kW (300 HP)	TurboDiesel
238ДЕ2	V8 Cyl.	16,5:1	┌┐ 140	14860cc	243 kW (330 HP)	TurboDiesel
7511.10-06	V8 Cyl.	16,5:1	┌┐ 140	14860cc	294 kW (400 HP)	TurboDiesel
7512.10	V8 Cyl.	16,5:1	┌┐ 140	14860cc	265 kW (360 HP)	TurboDiesel
7514.10	V8 Cyl.	16,5:1	┌┐ 140	14860cc	309 kW (420 HP)	TurboDiesel

Двигатели с общей головкой

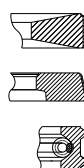
7511.1004015-10



RT, TPL

H=85,0
B=-22,4
BØ=73,0
e1=2,3
e2=2,3
L=145,0
S=5,0

7511.1004002

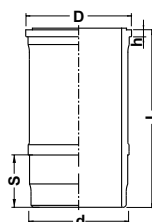


3,5 CR, P

3,0 CR, P

5,0 CR, P

7511.1002021-10



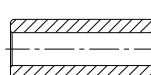
WH

D=160,0
h=9,6
d=151,0
L=255,0
S=79

236-1002024-A x1
236-1002023 x1
236-1002040 x1



7511.1004020



D=52,0
L=100,0

7511.1004022 x2



7511.1004006-50



7511.1004005-50



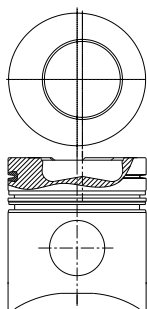
7511.1004008-50



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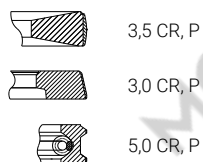
236Б	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БЕ	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236БИ	V6 Cyl.	16,5:1	~ 140	11150cc	162 kW (220 HP)	TurboDiesel
236БК	V6 Cyl.	16,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
236Н	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НБ	V6 Cyl.	16,5:1	~ 140	11150cc	121 kW (165 HP)	TurboDiesel
236НД	V6 Cyl.	16,5:1	~ 140	11150cc	155 kW (210 HP)	TurboDiesel
236НЕ	V6 Cyl.	16,5:1	~ 140	11150cc	169 kW (230 HP)	TurboDiesel
236НК	V6 Cyl.	16,5:1	~ 140	11150cc	136 kW (185 HP)	TurboDiesel
238Б	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БВ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БЕ	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238БЛ	V8 Cyl.	16,5:1	~ 140	14860cc	228 kW (310 HP)	TurboDiesel
238БК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238Д	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДЕ	V8 Cyl.	16,5:1	~ 140	14860cc	243 kW (330 HP)	TurboDiesel
238ДИ	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238ДК	V8 Cyl.	16,5:1	~ 140	14860cc	213 kW (290 HP)	TurboDiesel
238НД3	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД4	V8 Cyl.	16,5:1	~ 140	14860cc	184 kW (250 HP)	TurboDiesel
238НД5	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel
238НД6	V8 Cyl.	16,5:1	~ 140	14860cc	173 kW (235 HP)	TurboDiesel
238НД8	V8 Cyl.	16,5:1	~ 140	14860cc	220 kW (300 HP)	TurboDiesel

7511.1004015-20



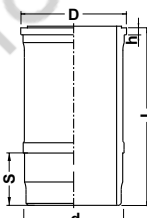
RT, TPL
H=85,0
B=24,6
BØ=73,0
L=145,0

7511.1004002



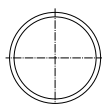
3,5 CR, P
3,0 CR, P
5,0 CR, P

236-1002021-Б2

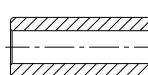


WH
D=160,0
h=12,1
d=151,0
L=270,0
S=94

236-1002024-A x1
236-1002023 x1
236-1002040 x1



7511.1004020



D=52,0
L=100,0

7511.1004022 x2



7511.1004006-60



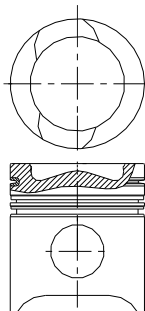
7511.1004005-60



6561	V6 Cyl.	17,5:1	~ 140	11150cc	184 kW (250 HP)	TurboDiesel
6583.10	V8 Cyl.	17,5:1	~ 140	14860cc	294 kW (400 HP)	TurboDiesel

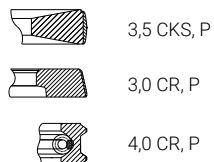
Двигатели с индивидуальной головкой

658.1004015



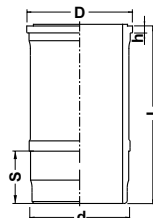
RT, TPL
 H=85,0
 B=-16,75
 BØ=88,0
 e1=2,3
 e2=2,3
 L=145,0

658.1004002



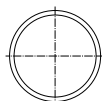
3,5 CKS, P
 3,0 CR, P
 4,0 CR, P

658.1002021

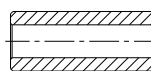


WH
 D=160,0
 h=9,6
 d=151,0
 L=255,0

236-1002024-A x1
 236-1002023 x1
 236-1002040 x1



7511.1004020



D=52,0
 L=100,0

7511.1004022 x2



658.1004006



658.1004005



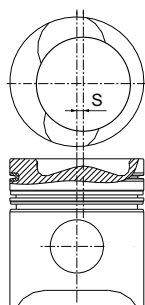
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16 | Ø 130

6562	V6 Cyl.	17,5:1	┘┘ 140	11150cc	184 kW (250 HP)	TurboDiesel
6563	V6 Cyl.	17,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
6565	V6 Cyl.	17,5:1	┘┘ 140	11150cc	169 kW (230 HP)	TurboDiesel
6566	V6 Cyl.	17,5:1	┘┘ 140	11150cc	199 kW (270 HP)	TurboDiesel
6581.10	V8 Cyl.	17,5:1	┘┘ 140	14860cc	294 kW (400 HP)	TurboDiesel
6582.10	V8 Cyl.	17,5:1	┘┘ 140	14860cc	243 kW (330 HP)	TurboDiesel
6585	V8 Cyl.	17,5:1	┘┘ 140	14860cc	309 kW (420 HP)	TurboDiesel

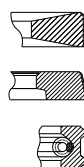
Двигатели с общей головкой

658.1004015-10



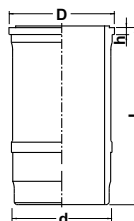
RT, TPL
H=85,0
B=-16,75
BØ=88,0
e1=2,3
e2=2,3
L=145,0
S=6,3

658.1004002



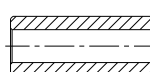
3,5 CKS, P
3,0 CR, P
4,0 CR, P

658.1002021



WH
D=160,0
h=9,6
d=151,0
L=255,0

7511.1004020



D=52,0
L=100,0

7511.1004022 x2



236-1002024-A x1
236-1002023 x1
236-1002040 x1



658.1004006-10



658.1004005-10



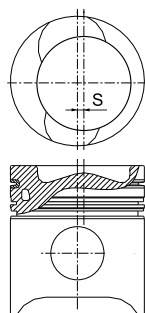
658.1004008-10



658.1004060-20



658.1004015-20



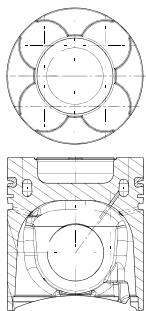
RT, TPL,
KK
H=85,0
B=-16,75
BØ=88,0
e1=2,3
e2=2,3
L=145,0
S=6,3

Поршень с каналом охлаждения

17 | Ø 140

8421.10	V8 Cyl.	15,5:1	┌┐ 140	17240cc	265 kW (360 HP)	TurboDiesel
8423.10	V8 Cyl.	15,5:1	┌┐ 140	17240cc	246 kW (335HP)	TurboDiesel
8424.10	V8 Cyl.	15,5:1	┌┐ 140	17240cc	312 kW (425 HP)	TurboDiesel
8424.10-01	V8 Cyl.	15,5:1	┌┐ 140	17240cc	312 kW (425 HP)	TurboDiesel
8424.10-04	V8 Cyl.	15,5:1	┌┐ 140	17240cc	312 kW (425 HP)	TurboDiesel
850 Euro 0	V12 Cyl.	15,5:1	┌┐ 140	25860cc	412 kW (560 HP)	TurboDiesel
8501 Euro 0	V12 Cyl.	15,5:1	┌┐ 140	25860cc	324 kW (440 HP)	TurboDiesel
8502 Euro 0	V12 Cyl.	15,5:1	┌┐ 140	25860cc	478 kW (650 HP)	TurboDiesel
8503 Euro 0	V12 Cyl.	15,5:1	┌┐ 140	25860cc	360 kW (490 HP)	TurboDiesel
8401.10 Euro 1	V12 Cyl.	15,5:1	┌┐ 140	25860cc	404...478 kW (550...650 HP)	TurboDiesel

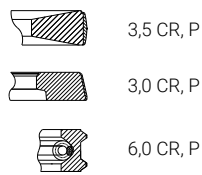
8401.1004015-01



P, RT, AK,
KK, TPL

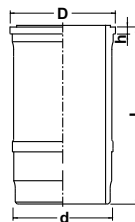
H=97,5
B=-25,1
BØ=78,0
e1=2,1
e2=2,1
L=156,5

8421.1004002



3,5 CR, P
3,0 CR, P
6,0 CR, P

840.1002021-11

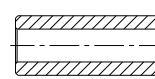


WH
D=170,0
h=8,5
d=158,0
L=269,0

840-1002024 x1
840-1002031 x1
840-1002040 x1



8401.1004020



D=58,0
L=115,0

J58x2 DIN 472 x2



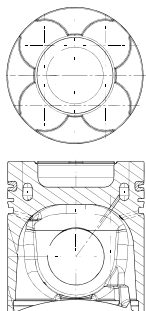
8401.1004005



18 | Ø 140

8424.10-03	V8 Cyl.	15,2:1	┌┐ 140	17240cc	345 kW (470 HP)	TurboDiesel
8424.10-08	V8 Cyl.	15,2:1	┌┐ 140	17240cc	345 kW (470 HP)	TurboDiesel
8424.10-33	V8 Cyl.	15,2:1	┌┐ 140	17240cc	345 kW (470 HP)	TurboDiesel
8435.10	V8 Cyl.	15,2:1	┌┐ 140	17240cc	324 kW (440 HP)	TurboDiesel
8463.10	V8 Cyl.	15,2:1	┌┐ 140	17240cc	368 kW (500 HP)	TurboDiesel
8481.10-04	V8 Cyl.	15,2:1	┌┐ 140	17240cc	309 kW (420 HP)	TurboDiesel
8522.10	V8 Cyl.	15,2:1	┌┐ 140	17240cc	305 kW (415 HP)	TurboDiesel
85226.10	V8 Cyl.	15,2:1	┌┐ 140	17240cc	305 kW (415 HP)	TurboDiesel

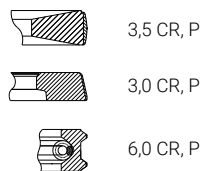
847.1004015



P, RT, AK,
KK, TPL

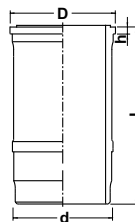
H=97,5
B=-26,2
BØ=78,0
e1=2,1
e2=2,1
L=156,5

8421.1004002



3,5 CR, P
3,0 CR, P
6,0 CR, P

840.1002021-11

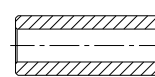


WH
D=170,0
h=8,5
d=158,0
L=269,0

840-1002024 x1
840-1002031 x1
840-1002040 x1



8401.1004020



D=58,0
L=115,0

J58x2 DIN 472 x2



847.1004005



Размерные группы гильз

Группа	236-1002021-A5	236-1002021-B2	240-1002021-B4
	Размер, мм		
А	130,00 ... 130,02		
Б	130,02 ... 130,04		
Ж	130,04 ... 130,06		

Группа	7511-1002021-01	7511-1002021-10	658.1002021	
	Размер, мм		Группа	Размер, мм
А	130,00 ... 130,02		—	130,00 ... 130,02
Б	130,02 ... 130,04			

Размерные группы поршней

236-1004015-Д / 236-1004015Д-01		238НБ-1004015		238НБ-1004015-Б4		7511.1004015-01	
Группа	Размер, мм	Группа	Размер, мм	Группа	Размер, мм	Группа	Размер, мм
А	129,83 ... 129,85	АНБ	129,80 ... 129,82	АНБ	129,80 ... 129,82	АНБ	129,85 ... 129,87
Б	129,85 ... 129,87	БНБ	129,82 ... 129,84	БНБ	129,82 ... 129,84	БНБ	129,87 ... 129,89
Ж	129,87 ... 129,89	ЖНБ	129,84 ... 129,86	ЖНБ	129,84 ... 129,86	—	—

7511.1004015-10		7511.1004015-20		658.1004015		658.1004015-10	
Группа	Размер, мм	Группа	Размер, мм	Группа	Размер, мм	Группа	Размер, мм
АНБ	129,85 ... 129,87	АНБ	129,85 ... 129,87	—	129,87 ... 129,89	—	129,87 ... 129,89
БНБ	129,87 ... 129,89	БНБ	129,87 ... 129,89				