



The biggest OEM-manufacturer  
in Eastern Europe

# PRODUCT CATALOG



## ABOUT MOTORDETAL



**MOTORDETAL**<sup>®</sup>  
ENGINE PARTS

Motordetal Holding is one of the largest manufacturers and OEM suppliers of the cylinder-piston group parts on the Russian and European markets and also is an exclusive licensee and partner of the German company Kolbenschmidt in Russia.

Today the total production area of the company is more than 100 000 sq.m. with 3 500 qualified employees. World's leading manufacturers supplied Motordetal plant with their best equipment: Junker, Ergo, Duker, Degussa, Gildemeister, Takisawa, Gehring, Nagel, Goetze, Otto Harrandt. In innovations and technologies, Motordetal stays ahead of manufacturers from Russia and Eastern Europe.

The company manufactures not only all types of pistons and piston rings with the diameter from 76 mm to 150 mm, but also cylinder liners for automotive, locomotive, tractor and marine engines with bore range from 50 mm to 400 mm.



The annual production capacity is 25 million units. By 2024 the company is planning to double its manufacturing capability.

The prime production quality is confirmed by numerous certificates: ISO/TS 16949, ISO 9001:2008, ISO14001:2004, American Bureau of Shipping, and also by the Kolbenschmidt, Ford, Renault-Nissan, Perkins, Caterpillar, MTU, BF Germany, etc partners trust.

**In 2011 Motordetal company became an official licensee and partner of Kolbenschmidt concern.**



Since 1996 company's products have been delivered to the markets worldwide. Motordetal cylinder-piston group spare parts are chosen by the widely-known carmakers, vessels, locomotives and power plants manufacturers. The company sales to more than 40 countries, such as: Great Britain, USA, Germany, France, etc.

The company supplies parts for: Renault, Nissan, Ford, Volkswagen, Alfa Romeo, Citroen, Peugeot, DAF, Deutz, Fiat, IVECO, MAN, Mercedes-Benz, Navistar, Perkins, Scania, Volvo, etc.



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Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 12 21 01 0	Wet liner	108,0	836647420; 836666990; 836673191	89 737 110	620 DWBAE Euro 3; 634 DWBAE Euro 3

**Pistons**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 12 15 01 0	Ring carrier piston	108,0	—	—	SISU 49/74/620

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 11 21 02 0	Dry liner	84,0	105120110100	88 592 110; 063 WN 08	AR00512; AR01334; AR01544; AR01623; AR01655; AR01713; AR06166; AR06212; AR06214; AR06215; AR06224; AR06420; AR10512; AR11633; AR11636; AR11671; AR19510; AR19519; AR67201; AR67202
2	44 11 21 01 0	Wet liner	92,0	SJ351453; 20240060; 20240061; 20242010	89 500 110; 489 WN 01 01	AR06206; FORD SCB; SCC; SCD; VM HR492; HR494; HRT392; VM08; VM31; VM32; VM425; VM81; VM82; VM84

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 16 21 37 8	Dry liner	105,00	—	14-020870-00	Perkins 1104
2	44 22 21 02 8	Dry liner	105,00	7C-6208	—	3114/3116
3	44 22 21 01 8	Dry liner	110,00	107-7604	—	3126; C7
4	44 22 21 03 0	Wet liner	112,00	190-3562	—	C9; C9A
5	44 22 21 04 8	Dry liner	114,30	9N6275	—	3200
6	44 22 21 05 0	Wet liner	115,00	—	—	C9A
7	44 22 21 06 0	Wet liner	120,65	110-5800	—	3300
8	44 22 21 07 0	Wet liner	125,00	148-2125	—	C10; 3176
9	44 22 21 08 0	Wet liner	129,54	197-9330; 148-2130	—	C11; C12; C13
10	44 22 21 09 0	Wet liner	137,16	2W-6000; 238-2700; 197-9322	—	3400; C15; C15A
11	44 22 21 10 0	Wet liner	139,70	132-6881	—	C16; 3456
12	44 22 21 11 0	Wet liner	145,00	322-1126; 253-8766	—	C18; C32
13	44 22 21 12 0	Wet liner	160,00	—	—	Perkins 4006/4008/4012
14	44 22 21 13 0	Wet liner	170,00	1238206; 1106993; 2117826; 1189494	—	3500
15	44 22 21 14 0	Wet liner	300,00	—	—	3600

# CATERPILLAR

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 22 15 01 0	Ring carrier piston	100,00	—	87-422100-00	Perkins 1004
2	44 22 15 02 0	Ring carrier piston	100,00	—	87-325600-00	Perkins Phaser 160/180
3	44 22 15 03 0	Ring carrier piston	100,00	225-5437	—	3054/3056
4	44 22 15 04 0	Ring carrier piston	105,00	U5PR0062	87-462200-00	Perkins 1104
5	44 22 15 05 0	Ring carrier piston	105,00	4P-2990	—	3114/3116
6	44 22 15 06 0	Ring carrier piston	110,00	238-2698	—	C7
7	44 22 15 07 3	Articulated piston	110,00	1504621+2382726	—	3126
8	44 22 15 08 3	Articulated piston	112,00	1979297+3247380	—	C6
9	44 22 15 09 0	Ring carrier piston	120,65	9N5250; 9N5403; 4P2655; 4P2654	—	3300
10	44 22 15 10 3	Articulated piston	125,00	1979328+2382710	—	3176
11	44 22 15 11 3	Articulated piston	125,00	4P5852+2382710	—	C10
12	44 22 15 12 3	Articulated piston	129,54	1442948+2382712	—	C12
13	44 22 15 13 5	Steel piston	129,54	388-9353	—	C13
14	44 22 15 14 5	Steel piston	137,16	3067460; 3564787; 2326557; 2848983; 2485514; 2485516	—	C15A
15	44 22 15 15 0	Ring carrier piston	137,16	9Y7212	—	3400
16	44 22 15 16 3	Articulated piston	137,16	1495566+1300244; 7C2888+1300244	—	C15

# CHINA YITUO

## Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 28 21 02 0	Wet liner	105,0	—	—	LR6105
2	44 28 21 02 0	Wet liner	108,0	330-1002064B	—	YC4108; YC6108

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 28 15 01 0	Ring carrier piston	105,0	RA050001C	—	LR6105
2	44 28 15 02 0	Ring carrier piston	108,0	340-1004001	—	LR4108/6108

## CITROËN / PEUGEOT

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 21 02 02 8	Dry liner	80,0	—	89 316 190; 039 WV 23	A8A/AJZ/161A/ A9A/161A/ XUD7T/A8B/A8A/AJZ
2	44 21 21 01 8	Dry liner	82,2	—	89 592 190	DW8; DW8D; DW8B; JC Euro2; WJY Euro2; WJZ Euro2
3	44 21 02 03 8	Dry liner	83,0	—	89 184 190; 039 WV 21	DHV; DHW; DHX; DHY; D8B; D8C; XUD9

## CNH INDUSTRIAL

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 29 21 01 8	Dry liner	99,0	No sleeve	—	F34
2	44 29 21 02 8	Dry liner	104,0	No sleeve	—	N45/N67
3	44 29 21 03 0	Wet liner	112,0	D7NN6055A	—	BSD
4	44 29 21 04 0	Wet liner	112,0	No sleeve	—	GSD
5	44 07 21 24 0	Wet liner	117,0	504305869; 504305866	—	CURSOR9
6	44 29 21 06 8	Dry liner	126,0	61500010344	—	WEICHA/STEYR
7	44 07 21 07 0	Wet liner	135,0	500054922; 500337911	89 831 110; 007 WN 75	CURSOR13

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 29 15 01 0	Ring carrier piston	104,0	—	40 652 600	F4HE (4 valves)
2	44 29 15 02 0	Ring carrier piston	104,0	—	40 269 600	F4HE (2 valves)
3	44 29 15 03 0	Ring carrier piston	112,0	F2NN6K100EA, F2NN6K100DA	—	BSD
4	44 29 15 04 0	Ring carrier piston	112,0	87 802 420	—	GSD
5	44 29 15 05 0	Ring carrier piston	126,0	612600030011	—	WEICHA/STEYR SY415/SY615

## CUMMINS

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 14 21 02 8	Dry liner	94,0	3903412; 3904165	89 033 190	ISF 2.8
2	EQB-1002021	Dry liner	102,0	3904166	89 372 190	B3.9/5.9
3	44 14 21 04 8	Dry liner	107,0	3904167	—	ISBe (ISDe) 4.5/6.7
4	ISLe-1002021 (44 14 21 01 0)	Wet liner	114,0	3948095; 3800328; 3948095; 3919937; 3907792; 3802407; 3944344	89 735 110	L/ISL 8.9
5	44 14 21 05 0	Wet liner	125,0	3034816; 3040882; 3064627; 3080760; 3803703	—	M; ISM; L10/LT10/LTA10
6	44 14 21 06 0	Wet liner	130,0	4089153; 4101507; 4309389	—	ISX12
7	44 14 21 07 0	Wet liner	130,2	BM98224; 184400	—	NT 495/743
8	44 14 21 08 0	Wet liner	132,0	—	—	ISG12



Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
9	44 14 21 09 0	Wet liner	137,0	4089153; 4025311; 4309389	—	QSX15/ISX15
10	44 14 21 10 0	Wet liner	139,7	3801826; 3055099	89 833 110	N/NT 855; N14
11	44 14 21 11 0	Wet liner	159,0	3202240; 3028122; 3028434; 4024767; 4371769	—	KT; QSK
12	44 14 21 12 0	Wet liner	132	4090054	—	QSK 45/60

**Pistons**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 14 15 01 0	Ring carrier piston	94,0	4955426; 4995266	—	IFS 2.8
2	44 14 15 02 0	Ring carrier piston	102,0	3907156; 3802100; 3802060; 3802170	91 246 500	BT/BTA
3	44 14 15 03 0	Ring carrier piston. With cooling channel	102,0	4089669	—	ISB 3.9/QSB5.9
4	44 14 15 04 0	Ring carrier piston	102,0	5258754; 2881748	—	ISF 3.8
5	44 14 15 05 0	Ring carrier piston	107,0	4955520; 4955365; 4955337; 5255257; 4939181; 4938619	41 541 600	ISBe/ISDe
6	44 14 15 06 0	Ring carrier piston	114,0	3919929; 3919566; 4019886; 4020059	—	C-Series
7	44 14 15 07 0	Ring carrier piston	114,0	3802397; 3802398; 3802657	—	C-Series
8	44 14 15 08 0	Ring carrier piston. With cooling channel	114,0	3973265; 4933120	—	ISC/QSC
9	44 14 15 09 0	Ring carrier piston	114,0	4987914	—	ISL/QSL
10	44 14 15 10 3	Articulated piston	125,0	4059900 (4059901 + 3081334); 4025158; 4089386	—	M11/ISM/QSM
11	44 14 15 11 0	Ring carrier piston	125,0	3803965	—	L10
12	44 14 15 12 0	Ring carrier piston	130,0	4058671	—	NT 495
13	44 14 15 13 0	Ring carrier piston	130,0	289980300	—	ISX 12
14	44 14 15 14 0	Ring carrier piston	132,0	—	—	ISG12
15	44 14 15 15 5	Steel piston	137,0	2882120; 4923744	—	ISX/QSX15
16	44 14 15 16 0	Ring carrier piston	139,7	3682390; 4059302; 3087634; 3081268; 3081269	—	N14
17	44 14 15 17 0	Ring carrier piston	139,7	3048808; 3069212	—	NTA855
18	44 14 15 18 0	Ring carrier piston	139,7	3801828	—	VT903
19	44 14 15 19 0	Ring carrier piston with pin bush	139,7	3048808, 3069212	—	N855
20	44 14 15 20 0	Ring carrier piston	139,7	3682390, 4059302, 3081268, 3081269	—	N14
21	44 14 15 21 3	Articulated piston	139,7	3087634	—	N14
22	44 14 15 22 0	Ring carrier piston	159,0	3631244 (14,5:1)	—	KT19/38
23	44 14 15 23 0	Ring carrier piston	159,0	3631245 (15,5:1)	—	KTA19/38/50; QSK19
24	44 14 15 24 0	Ring carrier piston	159,0	3631241	—	QSK38
25	44 14 15 25 0	Ring carrier piston	159,0	3628731	—	QSK45
26	44 14 15 26 0	Ring carrier piston	159,0	4309253, 4955781, 3640474	—	QSK60
27	44 14 15 27 0	Ring carrier piston	170,0	4089357	—	QSK23
28	44 14 15 28 0	Ring carrier piston	170,0	2882024	—	QSK78

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 06 21 04 0	Dry liner	100,6	2103761	88 253 110; 137 WT 02	DD575; DS575; DSD575; LEYLAND 0.350
2	44 06 21 06 0	Dry liner	104,2	0220095; 112489; 212275; 220095	88 547 110; 213 WT 01	NS 177; DF 615; NS 133 M; DNT 620; DNTD 620; DT 615; DTD 615; DNS 620; NS 133 L; NS 156
3	44 06 21 01 0	Dry liner	118,0	15 92 88; 24 04 74; 25 73 40; 39 68 55	88 624 110; 213 WT 02	PF
4	44 06 21 05 0	Wet liner	123,0	—	89 899 110	MX 11.320
5	44 06 21 03 0	Wet liner	130,0	1812652; 1696993; 1819534	88 861 110; 89 861 110; 213 LW 00100 000	MX265/300/340/375
6	44 06 21 07 0	Dry liner	130,0	03 94 08 0; 24 10 54; 25 69 60; 39 40 80; 39 60 80; 1699329	88 640 110; 213 WT 03	DK/WS/XE/XF

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 06 15 01 0	Ring carrier piston	118,0	14 25 19 8; 68 33 44	99 436 600; 213 08 00	PF
2	44 06 15 02 5	Steel piston	130,0	—	40 459 600	MX
3	44 06 15 03 0	Ring carrier piston	130,0	16 20 63 8	94 896 600; 213 70 00	XF

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 03 21 35 8	Dry liner	83,0	No sleeve	—	OM651
2	44 03 21 36 8	Dry liner	83,0	No sleeve	—	OM642
3	44 03 21 15 8	Dry liner	87,0	615 011 05 10; 615 011 10 10; 615 011 11 10; 615 011 12 10	88 588 190; 001 WV 03	OM 615; OM 621
4	44 03 21 20 8	Dry liner	87,0	601 011 00 10	89 193 190; 001 WV 09	OM 601; OM 602; OM 603; OM 605; OM 606
5	44 03 21 08 8	Dry liner	88,0	611 011 00 10	89 866 190	OM611/OM646
6	44 03 21 28 8	Dry liner	89,0	601 011 03 10	89 456 190; 004 WV 14	OM 601.970; OM 602.970; OM 603.970
7	44 03 21 33 8	Dry liner	89,0	601 011 02 10	89 429 190; 002 WV 04	OM 601.980; OM 602.980
8	44 03 21 16 8	Dry liner	90,9	616 011 03 10; 616 011 06 10; 616 011 07 10; 616 011 08 10; 616 011 09 10; 616 011 10 10; 616 011 11 10; 616 011 12 10	88 681 190; 001 WV 04	OM 616; OM 617
9	44 03 21 37 8	Dry liner	97,0/97,5	352 011 16 10; 362 011 01 10; 362 011 02 10; 362 011 03 10; 362 011 05 10; 362 011 06 10; 362 011 13 10; 366 011 03 10; 366 011 04 10	89 177 190; 004 WV 09	OM352; OM364; OM366
10	44 03 21 18 8	Dry liner	97,0/97,5	352 011 18 10	89 178 190; 004 WV 08	OM 314; OM 352; OM 353; OM 362
11	44 03 21 06 8	Dry liner	102,0	906 011 01 10	89 513 190; 004 WN 18	OM904; OM906
12	44 03 21 38 8	Dry liner	104,0	ME013678	—	Mitsubishi 4D34
13	44 03 21 39 8	Dry liner	106,0	No sleeve	—	OM924; OM926
14	44 03 21 40 8	Dry liner	110,0	No sleeve	—	OM934; OM936
15	44 03 21 41 8	Dry liner	114,0	No sleeve	—	Mitsubishi 4M50
16	44 03 21 42 8	Dry liner	118,0	No sleeve	—	Mitsubishi 6M60

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
17	44 03 21 43 8	Dry liner	118,0	ME071224-28	—	Mitsubishi 6D16
18	44 03 21 21 1	Wet liner	125,0	403 011 34 10	89 380 110; 003 WN 24	OM401
19	44 03 21 19 0	Wet liner	125,0	403 011 32 10	89 181 110; 003 WN 14	OM401; OM402; OM403; OM404
20	44 03 21 30 0	Wet liner	125,0	407 011 09 10; 407 011 11 10	89 192 110; 003 WN 16	OM 407; OM 409
21	44 03 21 31 0	Wet liner	125,0	—	89 314 110; 003 WN 18	OM 401; OM 402; OM 403; OM 404
22	44 03 21 12 0	Wet liner	128,0	460 011 13 10	89 867 110; 005 WN 09	OM457; OM460
23	44 03 21 22 1	Wet liner	128,0	444 011 01 10; 444 011 02 10	89 389 110; 003 WN 25	OM441
24	44 03 21 23 1	Wet liner	128,0	447 011 01 10; 447 011 02 10	89 390 110; 003 WN 26	OM427; OM429; OM447; OM466; OM475; OM476; OM485; OM489
25	44 03 21 09 0	Wet liner	128,0	422 011 00 10; 422 011 02 10; 422 011 03 10; 423 011 01 10; 423 011 02 10	89 180 110; 003 WN 15	OM421; OM442; OM443; OM444; OM441; OM422; OM423; OM424
26	44 03 21 07 0	Wet liner	128,0	457 011 05 10; 460 011 00 10; 460 011 02 10	89 563 110; 001 WN 21	OM457Euro2/3; OM458Euro2; OM460Euro3
27	44 03 21 29 8	Dry liner	128,0	355 011 07 10; 355 011 08 10	88 869 190; 003 WV 09	OM 355
28	44 03 21 32 0	Wet liner	128,0	—	89 391 110; 003 WN 29	OM 447; OM 427; OM 489; OM 429
29	44 03 21 34 0	Wet liner	128,0	194 901 136; 194 901 158; 287 081 2M1; 297 090 8M1; 309 348 2M1	88 645 110; 055 WN 08	HANOMAG D 963 K; D 943; D 963 B; D 943 A1; D 963 A1
30	44 03 21 24 1	Wet liner	130,0	5410110710	89 879 110; 003 WN 37	OM501; OM502
31	44 03 21 25 1	Wet liner	130,0	5410110110	89 530 110; 003 WN 38	OM501; OM502
32	44 03 21 11 0	Wet liner	130,0	541 997 18 45	89 846 110; 005 WN 10	OM541; OM542; OM942
33	44 03 21 45 0	Wet liner	130,0	23531249; 23532468; 235233920	—	Detroit DDC50; DDC60
34	44 03 21 46 0	Wet liner	130,0	ME051217	—	Mitsubishi 6D24
35	44 03 21 10 0	Wet liner	130,0	442 011 00 10; 442 011 01 10; 442 011 03 10; 444 011 00 10	89 395 110; 003 WN 23	OM440; OM441; OM442; OM443; OM462; OM463
36	44 03 21 47 0	Wet liner	132,0	471 011 0210; 471 011 0810; 471 011 0910; 471 011 1010; 471 011 1110; 471 011 1410; 471 011 1510; 471 011 2910	—	OM471
37	44 03 21 48 0	Wet liner	133,0	23531249	—	Detroit DD60
38	44 03 21 49 0	Wet liner	135,0	ME021843	—	Mitsubishi 6M70
39	44 03 21 50 0	Wet liner	139,0	4 720 110 710	—	OM473/DD16
40	44 03 21 51 0	Wet liner	142,0	ME062310	—	8DC11

Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 03 15 01 0	Ring carrier piston. With cooling channel	83,0	A651 030 04 17; A651 030 09 17; A651 030 10 17	40 776 600	OM651
2	44 03 15 02 0	Ring carrier piston. With cooling channel	83,0	005 23 00; 40096600	40 095 600/ 40 096 600 005 22 00/ 005 23 00	OM642

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
3	44 03 15 03 0	Ring carrier piston. With cooling channel	88,0	611 030 10 17; 646 030 01 17; 646 030 09 17; 646 030 10 17; 647 030 00 17; 647 030 01 17	97 482 600; 004 59 00	OM611/OM646
4	44 03 15 04 0	Ring carrier piston	97,5	366 030 14 18; 366 030 18 18; 366 030 97 17; 366 030 97 01	93 333 600; 002 81 00	OM352/OM364/OM366 Euro 2
5	44 03 15 05 0	Ring carrier piston	102,0	906 030 21 18; 906 030 24 18; 906 030 53 18; 906 030 83 17	40 030 600; 005 38 00	OM904/OM906 Euro 4
6	44 03 15 06 0	Ring carrier piston	104,0	ME012900; ME012901; ME012928; 5P04F03	—	mitsubishi 4D34
7	44 03 15 07 0	Ring carrier piston. With cooling channel	106,0	26 030 07 17; 926 030 13 17; 926 030 37 17; 926 037 13 01	40 078 600; 005 28 00	OM924/OM926 Euro 3/4/5
8	44 03 15 08 0	Ring carrier piston	114,0	ME224532	—	mitsubishi 4M50
9	44 03 15 09 0	Ring carrier piston	118,0	ME131943; ME303531	—	mitsubishi 6M60
10	44 03 15 10 0	Ring carrier piston	118,0	ME072062	—	mitsubishi 6D16
11	44 03 15 11 0	Ring carrier piston	128,0	4420300817	94 512 600	OM441
12	44 03 15 12 0	Ring carrier piston	128,0	460 030 10 17; 460 03 20 17	—	OM460/MBE4000
13	44 03 15 13 0	Ring carrier piston. With cooling channel	128,0	442 030 21 17; 442 030 23 17; 442 030 24 17; 442 030 31 17; 442 030 39 17	94 681 600; 003 90 00	OM441/OM442 Euro 2
14	44 03 15 14 0	Ring carrier piston. With cooling channel	128,0	457 030 38 17; 457 030 50 17; 457 030 39 17; 457 030 51 17	—	OM457 Euro 5
15	44 03 15 15 0	Ring carrier piston. With cooling channel	130,0	541 030 40 17; 541 030 49 17; 541 030 50 17; 541 030 51 17	40 310 600; 004 67 00	OM501/OM502 Euro 4/5
16	44 03 15 16 3	Articulated piston	130,0	A-23519635; A-23519624; A-23519646; A-23524601; A-23533203; A-23532552	—	Detroit DDC50/DDC60
17	44 03 15 17 3	Articulated piston	130,0	40310600; 5410304017; 5410304917; 5410305017; 5410305117	—	OM501
18	44 03 15 18 0	Ring carrier piston	130,0	ME151409	—	mitsubishi 6D24
19	44 03 15 19 5	Steel piston	132,0	A 471 030 18 17; A 471 030 23 17; A 471 030 26 17; A 471 030 30 17	—	OM471
20	44 03 15 20 0	Ring carrier piston	133,0	A-23519635; A-23519624; A-23519646; A-23524601; A-23533203	—	Detroit DD60
21	44 03 15 21 3	Articulated piston	—	A-23532552	—	Detroit DD60
22	44 03 15 22 0	Ring carrier piston	135,0	ME351863	—	mitsubishi MI6D
23	44 03 15 23 5	Steel piston	139,0	—	—	OM473/DD16

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 30 21 01 0	Wet liner	106,0	116281	—	4039; 6059
2	44 30 21 02 0	Wet liner	106,0	116383; 116397	—	4045; 6068
3	44 30 21 03 0	Wet liner	116,0	116236	—	6081
4	44 30 21 04 0	Wet liner	127,0	151615	—	6125

# DEERE

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 30 15 01 0	Ring carrier piston	106,0	RE515372; RE527039	—	4045H/T; 6068 H/D/T
2	44 30 15 02 0	Ring carrier piston	106,0	RE521616; RE515037; RE507758	—	4045AF; 6068 AF/HF/TF
3	44 30 15 03 0	Ring carrier piston	116,0	RE70689; RE70688; RE70689	—	6080
4	44 30 15 04 0	Ring carrier piston	127,0	151617	—	6125

# DEUTZ

## Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 08 21 14 8	Dry liner	94,0	89447110	89 447 110; 099 WT 27	BF M1012
2	44 08 21 03 0	Dry liner	98,0	4 250 003	89 830 110	BF4M; BF6M; VOLVO TAD620
3	44 08 21 05 0	Dry liner	98,0	4 284 602	89 891 110	BF6M2012C Euro2; BF6M2013C Euro3; TCD2012L62VEuro3
4	44 08 21 06 8	Dry liner	98,0	—	89 896 190	BF6M2012C Euro2; BF6M2013C Euro3
5	44 08 21 15 8	Dry liner	101,0	No sleeve	—	BF 4 M 2012; BF 6 M 2012; TCD 2012
6	44 08 21 08 0	Wet liner	101,0	—	89 904 110	BF 4 M 2012; BF 6 M 2012; TCD 2012
7	44 09 21 12 0	Wet liner	105,0	12160228; 622681320054; 62268132 0064	89 197 110; 151 WT 25	MWM D 226
8	44 08 21 02 0	Wet liner	108,0	04200255; 04203065; 04253771; 04253933; 04253936; 04282012; 04282014	89 409 110; 101 WN 16	BF4M1013Euro1; BF6M1013Euro1; BF6M1013CEuro1; BF6M1013CPEuro1; BF4M1013CEuro1; BF4M1013EEuro2; BF6M1013EEuro2; TCD2013L042VEuro3; TCD2013L062VEuro3
9	44 08 21 04 0	Wet liner	108,0	0490 1316; 0425 7564	89 862 110; 099 LW 00104 000	TCD2013; DXi5; DXi7; D7E240; D7E280; D7E290; D7E320
10	44 08 21 10 0	Wet liner	108,0	04200255; 04203065; 04253771; 04253933; 04253936; 04282012; 04282014	89 902 110; 101 WN 16	BF 8M 1015; BF 6M 1015; BF 8M 1015; BF 6M 1015; DEUTZ BF 6M 1015
11	44 08 21 09 0	Wet liner	132,0	04226518; 04227080	89 443 110; 101 WN 24	BF6M716; BF8M716; BF12M716; BF16M716; F4M716; F6M716; F8M716; F12M716
12	44 08 21 01 0	Wet liner	135,0	2 158 473	88 834 110; 099 WN 17	A6M816R; U; WA12M816C; CR; R; U; WBA6M816R; U; WBA8M816C; R; U; W; CRBA12M816C; CR; R; U; WBA16M816R; U; W
13	44 08 21 11 0	Wet liner	142,0	0400 1561EB	89 039 110	A6M816R; U; WA12M816C; CR; R; U; WBA6M816R; U; WBA8M816C; R; U; W; CRBA12M816C; CR; R; U; WBA16M816R; U; W

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 08 15 01 0	Ring carrier piston	94,0	4255043	94 900 600; 099 48 00	M1012
2	44 08 15 02 0	Ring carrier piston	101,0	—	40 476 600	TCD 2012 L (4V)
3	44 08 15 03 0	Ring carrier piston	101,0	—	40 289 600	BF
4	44 08 15 04 0	Ring carrier piston	105,0	1 216 0 524; 1 216 0 525; 6 228 0 160 311 7; 6 228 8 160 311 7; 151 55 00	93 355 600	MWM 226
5	44 08 15 05 0	Ring carrier piston	108,0	0425 5214; 0429 4190; 0429 4197; 0450 1351; 0450 1352; 099 PI 00120 000	40 278 600	F4M 1013 / TCD 2013 L04_06 / FAW 6108

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 31 21 01 0	Wet liner	106,0	1002016A24D; 1002016B26D; 1002016-43D	—	CA6DE2
2	44 31 21 02 0	Wet liner	110,0	1002016-B41-0000	—	CA6110
3	44 31 21 03 0	Wet liner	110,0	1002016A249D	—	CA6DL1
4	44 31 21 04 0	Wet liner	110,0	1002016-228; 1002016B228; 1002016-D6	—	CA6DF
5	44 31 21 05 0	Wet liner	112,0	L3000-1002106B	—	YC6L
6	44 31 21 06 0	Wet liner	114,0	102-A-104-02; 102-A-104-30A; 102-A-104-31	—	6114T

## Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 31 15 01 0	Ring carrier piston	106,0	—	—	CA6DE2
2	44 31 15 02 0	Ring carrier piston	110,0	1004011-ZLA1	—	CA6110
3	44 31 15 03 0	Ring carrier piston	110,0	1004011-621	—	CA6DL1
4	44 31 15 04 0	Ring carrier piston	110,0	1004016A30D	—	CA4DF
5	44 31 15 05 0	Ring carrier piston	110,0	1004011-420-0000M	—	CA6DF2
6	44 31 15 06 0	Ring carrier piston	114,0	—	—	6114T

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 07 21 12 8	Dry liner	88,0	No sleeve	—	F1A
2	44 07 21 02 8	Dry liner	93,0	7302453; 4860109; 7302454	89 319 190; 007 WV 46	FIAT/IVECO/Renault 8140; 8144
3	44 07 21 03 8	Dry liner	94,4	—	89 502 190; 007 WV 56	FIAT Sofim/8140; IVECO/RENAULT 8140
4	44 07 21 14 8	Dry liner	95,8	No sleeve	—	F1C
5	44 07 21 15 8	Dry liner	99,0	No sleeve	—	F5C
6	44 07 21 10 8	Dry liner	100,0	4 770 654	89 608 190; 007 WV 47	8045.06.208; 8045.06.213; 8045.06.319; 8035.06.323; 8035.06.307; 8035.06.208; 8035.06.200; 8065.06.000; 8045.06.200; 8045.06.326
7	44 07 21 16 8	Dry liner	102,0	No sleeve	—	F4AE, TECTOR
8	44 07 21 17 8	Dry liner	104,0	No sleeve	—	TECTOR 4.5/6.7
9	44 07 21 06 8	Dry liner	104,0	—	89 317 192; 007 WV 87	8040.25, 8060.25
10	44 07 21 18 0	Wet liner	104,0	11461-1761	—	HINO W04C; W04D; W06E
11	44 07 21 11 8	Dry liner	104,0	4 770 623	89 326 190; 007 WV 48	8045.25.376; 8060.45.6000; 8065.05.000; 8065.05.330; 8060.25.420; 8060.05.4990; 8035.05.215; 8045.05.213; 8040.25X.4947; 8045.25.375; 8045.05.000; 8040.25R.4200; 8045.05C.231; 8060.SRC22L003; 8045.25K.214; 8060.45S.7200
12	44 07 21 19 8	Dry liner	107,18	—	137WT09; SJ351081	LEYLAND 400
13	44 07 21 04 0	Wet liner	115,0	504 279 937	89 889 110	F2 BE 0641/D/G/K A Euro 4; F2 BE 0681 A/B/C/D/CA/DB/E/F Euro 3



Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
14	44 07 21 05 0	Wet liner	115,0	2 991 786	89 024 110; 233 WN 09	8361.01; 8360.05.300; 8365.25.500; 8361.45.500; 8361.05; 8361.45.530; 8365.05.500; 8340.05.000; 8361.25.510; 8360.05.673; 8365.25.533; 8365.25.500; 8340.05.200; 8360.05.254
15	44 07 21 21 0	Wet liner	117,0	504305869; 504305866	—	CURSOR 9
16	44 07 21 01 0	Wet liner	125,0	500054921; 500338223; 500338224; 500338225	89 834 110; 007 WN 74	F3 AE 0681 B/D/E; F3 AE 3681 A/B/D
17	44 07 21 22 8	Dry liner	127,0	—	37WT08; SJ221502	LEYLAND 600
18	44 07 21 07 0	Wet liner	135,0	500054922; 500337911	89 831 110; 007 WN 75	F3BE0681G; F3BE3681A; F3BE0681C; F3BE0681A; F3BE0681E; F3B3681B; F3BE0681B
19	44 07 21 08 0	Dry liner	137,0	4622074; 4837426; 99468534	89 872 110; 007 WT 24	8210
20	44 07 21 23 0	Wet liner	145,0	2991787; 4671991; 4672991; 4751363	89 463 110	8281

**Pistons**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 07 15 01 0	Ring carrier piston. With cooling channel	88,0	—	40 286 600	F1AE Euro 4
2	44 07 15 02 0	Ring carrier piston. With cooling channel	93,0	—	94 382 600	8140
3	44 07 15 03 0	Ring carrier piston. With cooling channel	94,4	2992040	94 726 600	8140 Euro 3
4	44 07 15 04 0	Ring carrier piston. With cooling channel	95,8	—	40 510 600	F1C
5	44 07 15 05 0	Ring carrier piston. With cooling channel	102,0	2996853	40 352 600	F4AE0681
6	44 07 15 06 0	Ring carrier piston	104,0	—	40 652 600	TECTOR 4.5/6.7
7	44 07 15 07 0	Ring carrier piston	104,0	—	94 450 600	8040/8060 Euro 2
8	44 07 15 08 0	Ring carrier piston	104,0	13216-2220; 13211-2390	—	HINO W04D
9	44 07 15 09 0	Ring carrier piston. With cooling channel	115,0	—	40 316 600; 40 317 599	F2BE
10	44 07 15 10 0	Ring carrier piston	115,0	—	99 445 700	8360 Euro 2
11	44 07 15 11 0	Ring carrier piston. With cooling channel	125,0	—	40 339 600	F3AE
12	44 07 15 12 0	Ring carrier piston. With cooling channel	135,0	2992257	40 340 600	F3BE

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 19 15 01 0	Ring carrier piston	89,9	1309103; 1311091	40 171 600	D2FA; D2FB; D2FE

**Cylinder liner**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 32 21 01 8	Dry liner	101,6	Repair sleeve	—	GM V8

**Pistons**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 32 15 01 0	Ring carrier piston	101,6	—	—	GM 101/102 mm

**Cylinder liner**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 33 21 01 0	Dry liner	104,0	11461-1761; 11467-1781; 11467-1791	—	W04D; W06E
2	44 33 21 02 0	Wet liner	110,0	11467-1220; 11467-1230	—	H07D
3	44 33 21 03 0	Wet liner	112,0	S1146-73210	—	J05E, J08E
5	44 33 21 04 0	Wet liner	112,0	—	—	A09C
7	44 33 21 05 0	Wet liner	114,0	1146-73200	—	J07C
8	44 33 21 06 0	Wet liner	122,0	11462-E0020	—	P11C
9	44 33 21 07 0	Wet liner	135,0	114672090	—	K13C
10	44 33 21 08 0	Wet liner	137,0	11467-3230	—	E13C
11	44 33 21 09 0	Wet liner	139,0	11467-1702	—	F17E
12	44 33 21 10 0	Wet liner	150,0	11467-3040; 11461-2280	—	F21C; V26C

**Pistons**

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 33 15 01 0	Ring carrier piston	104,0	13216-E0010	—	N04C
2	44 33 15 02 0	Ring carrier piston	104,0	13216-2220; 13211-2390	—	W04D
3	44 33 15 03 0	Ring carrier piston	104,0	13216-1720	—	W06E
4	44 33 15 04 0	Ring carrier piston	112,0	S130A-E0101/97; S130B-E0391	—	J05E/J07E/J08E
5	44 33 15 05 0	Ring carrier piston	112,0	—	—	A09C
6	44 33 15 06 0	Ring carrier piston	114,0	13216-2631, 13216-3211	—	J05C/J07C/J08C
7	44 33 15 07 4	Cast iron piston	122,0	13211-2700; 13211-2723	—	P11C
8	44 33 15 08 0	Ring carrier piston	137,0	13211-0200	—	E13C

## HONG LEONG ASIA

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 34 21 01 0	—	105,0	—	—	YC6105
2	44 34 21 02 0	Wet liner	108,0	330-1002064B	—	YC4108, YC6108
3	44 34 21 03 0	—	112,0	—	—	YC4112+YC6G

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 34 15 01 0	Ring carrier piston	108,0	340-1004001	—	YC4108 / YC6108

## IHC-CASE

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 10 21 01 0	Wet liner	98,4	3139592R4	88 891 150; 089 WN 16	D179; D239; D358; DT239; DT358; UD179; UD358
2	44 10 21 02 0	Wet liner	98,5	3144447; 3139587R3; 3055019	88 892 150; 089 WN 17	D155; D206; D310; UD155; UD206; UD310
3	44 10 21 03 0	Wet liner	100,0	3144682R3	89 018 150; 089 WN 15; 089 WN 18	D246; D268; D402; DT268; DT402

## ISUZU

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 35 21 01 8	Dry liner	88,0	—	—	CA488
2	44 35 21 02 8	Dry liner	95,4	8-94462-130-0; 8-97176-702-0	—	4JH1
3	44 35 21 03 8	Dry liner	102,0	—	—	EQ4140/EQ6100
4	44 35 21 04 0	Wet liner	102,0	—	—	EQ6102
5	44 35 21 05 8	Dry liner	102,0	1-11261-118-0	—	6BD1
6	44 35 21 06 8	Dry liner	103,0	No sleeve	—	GM DURAMAX
7	44 35 21 07 8	Dry liner	105,0	1-11261-1190	—	6BG1
8	44 35 21 08 8	Dry liner	110,0	8-94390-530-0	—	4HE1/6HE1
9	44 35 21 09 8	Dry liner	112,0	8-94389-276-3	—	4HF1
10	44 35 21 10 8	Dry liner	115,0	8-94391602-1	—	HK
11	44 35 21 11 8	Dry liner	115,0	8-94396-276-3; 8-94396-332-0; 8-97351-558-0	—	HG
12	44 35 21 12 8	Dry liner	115,0	8-94393-273-1	—	HH
13	44 35 21 13 8	Dry liner	120,0	1-11261370-2; 1-87813127-6; 8-98056464-1	—	UZ/SD
14	44 35 21 14 0	Wet liner	127,0	—	—	PE1
15	44 35 21 15 0	Wet liner	132,9	1-11261-105-1	—	6WA1
16	44 35 21 16 0	Wet liner	135,0	1-11261-133-0; 9-11261-290-0; 9-11261-037-0	—	6RB1
17	44 35 21 17 0	Wet liner	147,0	1-87812486-0; 1-11261-379-2; 1-11261-380-2	—	6WG1
18	44 35 21 18 0	Wet liner	147,0	1-87812928-0	—	6WF1

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 35 15 01 0	Ring carrier piston	95,4	8-97305-586-1	—	4JH1
2	44 35 15 02 0	Ring carrier piston	102,0	—	—	EQ4140/EQ6100
3	44 35 15 03 0	Ring carrier piston	102,0	—	—	EQ6102
4	44 35 15 04 0	Ring carrier piston	102,0	1-12111-240-1	—	6BD1
5	44 35 15 05 0	Ring carrier piston	103,0	—	—	GM DURAMAX V8
6	44 35 15 06 0	Ring carrier piston	105,0	1121113774	—	BG
7	44 35 15 07 0	Ring carrier piston	110,0	8-94391-696-0	—	HE
8	44 35 15 08 0	Ring carrier piston	112,0	8971193250	—	4HF
9	44 35 15 09 0	Ring carrier piston	115,0	8943922141	—	HK
10	44 35 15 10 0	Ring carrier piston	115,0	—	—	EQ8210
11	44 35 15 11 0	Ring carrier piston	115,0	8-97219-032-0; 8-97183-666-0	—	HG1T
12	44 35 15 12 0	Ring carrier piston	115,0	8943926621	—	HH
13	44 35 15 13 0	Ring carrier piston	115,0	—	—	6HL1
14	44 35 15 14 0	Ring carrier piston	120,0	1-11261370-2; 1-87813127-6; 8-98056464-1	—	UZ
15	44 35 15 15 0	Ring carrier piston	132,9	1-12111-896-0	—	6WA1

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	740.13-1002021	Wet liner	120,0	K000918292	KAMAZ-740.10, -740.20, -7409.10, -7401-5, -7402, -7408, -750
2	740.30-1002021	Wet liner	120,0	K000918292	KAMAZ -740.14-300, -740.11-240, -740.13-260, -740.30-260 [E-II]
3	740.51-1002021	Wet liner	120,0	K000919002	KAMAZ -740.50, -51, -60 and their modifications

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	740.1004015-10K-44	Ring carrier piston	120,0	740.1004015-10	KAMAZ-740.10, -740.20, -7409.10, -7401-5, -7402, -7408, -750
2	740.30-1004015-40-44	Ring carrier piston	120,0	7.12094A101-10/40	KAMAZ -740.14-300, -740.11-240, -740.13-260, -740.30-260 [E-II]
3	740.60-1004015-41-44	Ring carrier piston	120,0	7.12094-101-40/10	KAMAZ -740.50, -51, -60 and modifications
4	740.1004015-10K	Ring carrier piston	120,0	740.1004015-10	KAMAZ-740.10, -740.20, -7409.10, -7401-5, -7402, -7408, -750
5	7403.1004015-10	Ring carrier piston	120,0	7.12094A210-10	KAMAZ-7403.10
6	740.30-1004015-40	Ring carrier piston	120,0	7.12094A101-10/40	KAMAZ -740.14-300, -740.11-240, -740.13-260, -740.30-260 [E-II]
7	740.60-1004015-41	Ring carrier piston	120,0	7.12094-101-40/10	KAMAZ -740.50, -51, -60 and modifications

## KOMATSU

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 36 21 01 8	Dry liner	95,0	6207-21-2110	—	S6D95; SA6D95
2	44 36 21 02 0	Wet liner	105,0	6137-21-2210	—	S6D105; SA6D105
3	44 36 21 03 0	Wet liner	108,0	6222-21-2110	—	S6D108; SA6D108
4	44 36 21 04 0	Wet liner	110,0	6138-21-2211	—	S6D110; SA6D110
5	44 36 21 05 0	Wet liner	125,0	6150-21-2221	—	S6D125; SA6D125
6	44 36 21 06 0	Wet liner	140,0	6211-21-2220	—	S6D140; SA6D140
7	44 36 21 07 0	Wet liner	155,0	6128-21-2214; 6128-21-2215; 6128-21-2216	—	S6D155
8	44 36 21 08 0	Wet liner	170,0	6162-23-2210; 6240-21-2220; 6162-25-2210	—	SA6D170

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 36 15 01 0	Ring carrier piston	95,00	6207-31-2141	—	S6D95; SA6D95
2	44 36 15 02 0	Ring carrier piston	105,0	6136-31-2112	—	S6D105; SA6D105
3	44 36 15 03 0	Ring carrier piston	108,0	6222-31-2110	—	S6D108; SA6D108
4	44 36 15 04 4	Cast iron piston	125,0	6151-31-2511; 6151-31-2150; 6151-31-2170; 6151-31-2171; 6151-31-2511; 6151-31-2710	—	S6D125; SA6D125
5	44 36 15 05 4	Cast iron piston	140,0	6217-31-2130	—	SA6D140

## LIAZ-MADARA

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 27 01 01 0	Wet liner	130,0	—	89 474 110	LIAZ M1.2C-MS 640
2	44 27 01 02 0	Wet liner	130,0	610041006	88 627 110; 059 WN 09	LIAZ M1.2A-MS 634; 635; 636; 637; 638; 639

## LIEBHERR

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 26 01 02 0	Wet liner	115,0	90011040101; 9177159	439 WN 01	D 904 T; D 906 TB; D 904 TB; D 906 T; D 906 NA; D 904 NA
2	44 26 01 01 0	Wet liner	122,0	92011040301; 9279060	439 WN 04	D 926 TI-E; D 924 TI

## MAN

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 01 21 09 0	Dry liner	108,0	51.01201.0318; 51.01201.0378; 51.01201.0386; 51.01201.0379; 51.01201.0400	89 470 110; 89 453 110; 227 WT 39; 227 WT 49 00	Series 08
2	44 01 21 17 0	Dry liner	108,0	51.01201.0202	88 865 110	D0846

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
3	44 01 21 18 0	Dry liner	108,0	51.01201.0240	88 866 110	D0846
4	44 01 21 12 0	Dry liner	108,0	51.01201.0379; 51.01201.0400	89 453 110; 227 WT 49 00	D0824; D0826; D0834; D0836
5	44 01 21 24 8	Dry liner	108,0	51.01201.0312; 51.01201.0318; 51.01201.0366; 51.01201.0378; 51.01201.0386	89 470 190; 227 WT 51	D0824; D0826; D0834; D0836
6	44 01 21 14 1	Wet liner	120,0	51.01201.0417	89 816 110; 227 WN 67	D2066
7	44 01 21 03 0	Wet liner	125,0	51.01201.0296	89 056 110; 227 WN 32	D2555; D2565; D2566
8	44 01 21 25 0	Wet liner	125,0	51.01201.0219; 51.01201.0299	89 054 110; 227 WN 30	D2530; D2538; D2540; D2542; D2548
9	44 01 21 26 0	Wet liner	125,0	51.01201.0323	89 057 110; 227 WN 33	D2555; D2565; D2566
10	44 01 21 29 0	Wet liner	125,0	51.01201.0302	89 340 110; 227 WN 40	D2530; D2538; D2540; D2542; D2548
11	44 01 21 33 0	Wet liner	125,0	51.01201.0303	89 055 110; 227 WN 31	D2555; D2565; D2566
12	44 01 21 20 0	Wet liner	126,0	51.01201.0459	89 856 110; 227 WN 70 01	D2676
13	44 01 21 04 1	Wet liner	128,0	51.01201.0309; 51.01201.0385; 51.01201.0468	89 186 110; 227 WN 37	D2865; D2866; D2876
14	44 01 21 02 1	Wet liner	128,0	51.01201.0344	89 518 110; 227 WN 42	D2865; D2866; D2876
15	44 01 21 05 0	Wet liner	128,0	51.01201.0435; 51.01201.0436; 51.01201.0452	89595110; 227 WN 65	D2876
16	44 01 21 08 1	Wet liner	128,0	51.01201.0267; 51.01201.0305; 51.01201.0467	89 092 110; 227 WN 34	D2855; D2840; D2842; D2848
17	44 01 21 11 0	Wet liner	128,0	51.01201.0326	89 534 110; 227 WN 56	D2865; D2866; D2876;
18	44 01 21 21 0	Wet liner	128,0	51.01201.0440	89 859 110; 227 WN 68	D2876
19	44 01 21 22 0	Wet liner	128,0	51.01201.0419; 51.01201.0420; 51.01201.0444	89 869 110 227 WN 69 01	D2866; D2876
20	44 01 21 23 0	Wet liner	128,0	51.01201.0327	89 892 110; 89 892 110	D2865; D2866; D2876
21	44 01 21 27 0	Wet liner	128,0	51.01201.0306; 65.01201.0306	89 093 110 227 WN 35	E2842; D2840; D2842; D2848
22	44 01 21 28 0	Wet liner	128,0	51.01201.0324	89 324 110 227 WN 43	D2865; D2866; D2876
23	44 01 21 30 0	Wet liner	128,0	—	89 905 110	D 2876
24	44 01 21 31 0	Wet liner	128,0	—	89 906 110	D 2876
25	44 01 21 32 0	Wet liner	128,0	51.01201.0441; 51.96501.0540	89 860 110	D 2876 Euro 3
26	44 01 21 34 0	Wet liner	128,0	51.01201.0327	89 416 110 227 WN 61	D 2876

Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 01 15 01 0	Ring carrier piston. With cooling channel	108,0	51025006102; 51 02500 6210; 51 02500 6213	40 217 600; 229 52 00	Серия 0834/0836 Euro 3/4/5
2	44 01 15 02 0	Ring carrier piston	108,0	51 02511 0127; 51 02511013; 51 02511 0178; 51 02511 7075; 51 02511 7079; 51 025117125; 51 02511 7129; 51 02511 7292; 51 02511 7300; 51 02511 7381	94 416 600; 227 37 00	Серия 0824/0826 Euro1/2
3	44 01 15 03 0	Ring carrier piston. With cooling channel	120,0	51 02500 6161; 51 02500 6204; 51 02500 6260; 51 02500 6298; 51 02501 6087; 51 02501 6088; 51 02511 0701	40 162 601; 229 32 00	D2066



Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
4	44 01 15 04 0	Ring carrier piston	128,0	51 02500 6023; 51 02500 6031; 51 02500 6040; 51 02511 0430; 51 02511 0434; 51 02511 7385; 51 02511 7389	99 330 600; 229 04 00	D2866 Euro2/3
5	44 01 15 05 0	Ring carrier piston	128,0	51 02500 6019; 51 02500 6027; 51 02500 6042; 51 02511 0372; 51 02511 0381; 51 02511 7346; 51 02511 7350; 51 02511 7393	94 846 600; 229 05 00	D2876 Euro2/3
6	44 01 15 06 0	Ring carrier piston. With cooling channel	128,0	99697600; 51025006041; 51025006070; 51025006071; 51025110535	—	D2876 Euro2
7	44 01 15 07 0	Ring carrier piston	128,0	51 02501 0708; 51 02501 0713; 51 02501 0812; 51 02501 7385; 51 02501 7386; 51 02501 7387	90 334 600; 228 90 00	D2866 Euro2/3

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	240-1002021	Wet liner	110,0	240-1002021	D-65, D-240, -242, -243, -244
2	K245-10002021-A1	Wet liner	110,0	K245-10002021-A1	for all MMZ engines

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	D65-1004021-1	Piston	110,0	D65-1004021-1	D-65 and modifications (pin 38 mm), MMZ D-240, -242, -243, -244 and modifications (pin 38 mm)
2	240-1004021	Piston	110,0	240-1004021	D-65; MMZ D-240, -242, -243, -244 and modifications (pin 38 mm)
3	K245-1004021	Ring carrier piston	110,0	245-1004021	D-245 and modifications (pin 38 mm)
4	K260-1004021-B	Ring carrier piston	110,0	K260-1004021-B	D-245, -245L, -245.2, -245.4, -245.5, -245.7 (GAZ, PAZ), -245.9, -245.12C, -260.1, -260.1C, -260.2, -260.2C, -260.8, -260.9, -260.9C, -260.11, -260.14, -260.14C (pin 38 mm)
5	K260-1004021-Ж	Ring carrier piston	110,0	K260-1004021-Ж	D-245.2C2, -245.7E2 (GAZ, PAZ), -245.9E2, -245.11E2, -245.16C2, -245.30E2, -245C2, -245.5C2, -245.42C2, -245.43C2, -260.1C2, -260.2C2, -260.9C2, -260.11E2, -260.14C2, -260.4C2, -260.5E2, -260.7C2, -260.12E2, -260.13E2, -266.1, -266.2, -266.3, -266.4 (pin 38 mm)
6	K260-1004021-T	Ring carrier piston	110,0	K260-1004021-T	D-260.2, -260.2C, -260.4, -260.5, -260.5C, -260.7, -260.9C, -260.11, -260.14C (pin 42 mm)
7	K260-1004021-M	Ring carrier piston	110,0	K260-1004021-M	D-260E2, -260S2 and modifications (pin 42 mm)
8	K245-1004021-Б	Ring carrier piston	110,0	K245-1004021-Б	D-245.7E3, D-245.9E3, D-245.30E3, D-245.35E3 (pin 42 mm)
9	K245-1004021-Г	Ring carrier piston	110,0	K245-1004021-Г	D-245.2S3A, D-245.43S3A, D-245.5S3A, D-245.7E3, D-245.9E3, D-245S3A, D-246E3 (pin 38 mm)
10	K245-1004021-E	Ring carrier piston	110,0	K245-1004021-E	D-245, -260 Euro 4 (pin 42 mm)
11	K245-1004021-Л	Ring carrier piston	110,0	K245-1004021-Л	D-245, -260 Euro 4 (pin 38 mm)

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 09 21 06 0	Wet liner	90,0	12158462; 6 206 1 132 001 4	88 318 110; 151 WN 05	KD10; 5-3; KD110; 5-2; KD110; 5-3; KD110; 5-4; KD110; 5-6
2	44 09 21 05 0	Wet liner	95,0	12158556; 6 207 0 132 001 4	88 316 110; 151 WN 10	D208-2; D208-3; D208-4; D208-6; D308-2; D308-3; D308-4; D308-6
3	44 09 21 02 0	Wet liner	100,0	1 216 0 419; 6 227 0 132 002 4; 6 227 0 132 003 4; 7 701 0 179 48	88 850 110; 151 WN 14	D227; D327
4	44 08 21 13 0	Dry liner	105,0	1484492	89 197 110; 151 WT 25	TD226-4; 6D226-2; 3; 4; 6D916-2; 3; 4; 6
5	44 09 21 08 0	Wet liner	105,0	1 215 9 367; 6 226 0 132 503 4	89 335 110; 151 WN 27	D226B-2; D226B-3; D226B-4; D226B-6; TD226B-3; TD226B-4; TD226B-6
6	44 09 21 09 8	Dry liner	105,0	1 215 9 364; 6 226 0 132 001 2; F 183 2 002 101 1 0	88 635 190; 151 WV 15	D 226-3; D 226-4; TD 226-4; TD 226-6; D 226-6; D 226-2; TD 226
7	44 09 21 10 0	Wet liner	105,0	01153804; 01153805	89 596 110	D 226 B-2; D 226 B-3; D 226 B-4; D 226 B-6; TD 226 B-3; TD 226 B-4; TD 226 B-6
8	44 09 21 11 0	Wet liner	105,0	01153804; 01153805	89 858 110	D 226 B-2; D 226 B-3; D 226 B-4; D 226 B-6; TD 226 B-3; TD 226 B-4; TD 226 B-6
9	44 09 21 12 0	Dry liner	105,0	12160228; 62268132005; 6 226 8 132 006 4	89197110 151 WT 25	D 226-2; TD 226; D 226-3; D 226-4; TD 226-4; TD 226-6; D 226-6
10	44 09 21 07 0	Wet liner	128,0	12163113; 623401320024	89 179 110 151 WN 23	G234GF; TBD234-12; TBD234-16; TBD234-6; TBD234-8; TBG-234
11	44 08 21 12 0	Wet liner	132,0	4030000599	89 598 110	TBG616V8; TBG616V12; TBG616V16; TBD616V8; TBD616V12; TBD616V16
12	44 09 21 13 0	Wet liner	132,0	01181927; 12275301; 12275302	89 598 110	TBD 616 V12; TBD 616 V16; TBD 616 V8; TBG 616 V12; TBG 616 V16 G; TBG 616 V8
13	44 09 21 01 0	Wet liner	140,0	12022526	88 332 110 151 WN 19	RHS518; TRHS518

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 24 21 04 8	Dry liner	95,0	Repair sleeve	—	VT275 / VT365
2	44 24 21 05 8	Dry liner	98,2	Repair sleeve	—	NAVISTAR 390
3	44 10 21 04 0	Wet liner	98,4	3055020; 4082315	88 891 150; 089 WN 16	DT-239; D-358; D-239; DT-358; D-179
4	44 24 21 01 0	Wet liner	101,9	1809935C4	—	DT-360
5	44 24 21 06 0	Wet liner	102,0	—	151 WN 29	MWM 229 / MaxxForce 6.0
6	44 24 21 07 0	Wet liner	103,0	6007.001.362.00.2; AECO-NP-06218 (MWM TD225)	—	MWM 4.10_6.10 / MaxxForce 6.5
7	44 24 21 08 8	Dry liner	104,4	Repair sleeve	—	NAVISTAR 444
8	44 24 21 09 0	Wet liner	105,0	1 484 492	60 WN 1700	MWM
9	44 24 21 10 0	Wet liner	116,5	1815648C1; 1841326C1; 1875703C2; 1830706C1	—	DT466/DT530
10	44 24 21 11 0	Wet liner	116,5	1842557C2; 1876102C2 (Nº sets)	—	DT 570
11	44 24 21 02 0	Wet liner	116,5	1815674C1	—	MAXXFORCE DT-466 (7,6L)
12	44 24 21 03 0	Wet liner	116,5	1810504C2	—	MAXXFORCE DT-466 (7,6L)
13	44 01 21 14 1	Wet liner	120,0	51.01201.0417	89 816 110; 227 WN 67	MaxxForce 11 / MAN D2066
14	44 01 21 20 1	Wet liner	126,0	51 012 010 459	89 856 110; 227 WN 70	MaxxForce 13 / MAN D2676
15	44 24 21 12 0	Wet liner	137,0	—	—	MaxxForce15

## NAVISTAR

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 24 15 01 0	Ring carrier piston	95,0	1840995C1; 3C3Z6108AA; 1843285C2; 4C3Z6108AA	—	VT275 / VT365 (FORD V6 / V8)
2	44 24 15 02 0	Ring carrier piston	98,2	—	—	NAVISTAR 390
3	44 24 15 03 0	Ring carrier piston	102,0	—	—	MWM 229 / MaxxFORCE 6.0
4	44 24 15 04 0	Ring carrier piston	104,4	RP141746	—	NAVISTAR 444
5	44 24 15 05 0	Ring carrier piston	116,5	1836321C1; 1830621C1; 1833092C1; 1830591C2	—	NAVISTAR DT 460
6	44 24 15 06 5	Steel piston	116,5	1842557C2	—	NAVISTAR DT 570
7	44 24 15 07 3	Articulated piston	116,5	1876102C2	—	NAVISTAR DT 571
8	44 24 15 08 3	Articulated piston	116,5	1833092C1; 1830591C2; 1836320C1+1833433C1	—	NAVISTAR DT 530

## NISSAN

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 18 21 01 0	Wet liner	110,0	11012-95001	—	ND6

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 18 15 01 0	Ring carrier piston	110,0	12011-95000	—	ND6

## OPEL

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 23 21 02 8	Dry liner	82,5	—	89 432 190; 011 WV 05	OPEL / VAUXHALL 17 D; X 17 DTL
2	44 23 21 01 8	Dry liner	92,0	606 523; 901 080 89; 901 691 25; X03 412 08	89 048 190; 011 WV 03	OPEL / VAUXHALL 23 DTR; 23 YDT; 23 TD

## PERKINS

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 16 21 01 8	Dry liner	79,4	31358117	88 495 190; 043 WV 04	4.108; 4.108
2	44 16 21 33 8	Dry liner	88,9	3135X031	—	4.192; 6.288; A 3.144; A 4.192; P 3.144; P 6.288; PA; PB; PF; PG
3	44 16 21 05 8	Dry liner	90,6	31358356	—	T3.1524
4	44 16 21 27 8	Dry liner	90,6	31358384	—	3.152; 4.203

№	Product SKU	Descr	Dia	OEM	Cross code	Engine model
5	44 16 21 26 8	Dry liner	91,5	31358323	88 363 190; 043 WV 07	3.152; 4.203; 6.305; 3.152; AD 3.15; 3.152.4; 3.152; 4.203; 6.305; P 3.152; AD 3.152; T 3.152.4; A 3.152; AD 4.203; 4.203; 4.203 A
6	44 16 21 29 0	Dry liner	91,5	31358345	89 042 190	M-34V; 4.203; P 4.203; P 3.152; T 3.152.4; P 6.305; A 3.152; 4.203; 3.152; 4.203 A; IM 036 VJA; AD 4.203; 6.305; AD 3.152; A 3.152; D3.152; M-34
7	44 16 21 37 8	Dry liner	91,5	31358345	88 552 110	3.152; 4.203
8	44 16 21 30 0	Dry liner	91,5	31358357	—	3.152; 4.203
9	44 16 21 34 8	Dry liner	97,7	3135X031	043 WV 39 00	4.236
10	44 16 21 09 8	Dry liner	97,7	3135X036	—	4.236
11	44 16 21 02 8	Dry liner	98,5	31358324	88 354 190; 043 WV 11	AD 4.236; 6.354.4; A 4.236; 6.354; 6.354; 4.236; AD 4.236; AD 4.236; T 4.236; A6.354; D 39 C; 4.236 98,48; AD 4.236; 6.354.2;
12	44 16 21 03 8	Dry liner	98,5	31358331	88 354 190; 043 WV 11	AD 4.236; AD 4.236; D 39 C; 4.236; A 4.236; S 46 T; S 46 I; 6.354; 6.354; A6.354
13	44 16 21 20 8	Dry liner	98,5	31358393	88 355 190; 043 WV 12	4.236; S 46; S 46 I; 6.354; A6.354; 6.354 V; AD 4.236; A 4.236; D 39 C; AD 4.236; 4.236; T 4.236; T 4.38
14	44 16 21 07 8	Dry liner	98,5	3135X031	89 514 190; 043 WV 39	4.236
15	44 16 21 13 0	Dry liner	98,5	3135X035	—	4.236
16	44 16 21 24 0	Dry liner	98,5	31358394	—	4.236; 6.354
17	44 16 21 25 0	Dry liner	98,5	31358398	—	4.236; 6.354
18	44 16 21 10 8	Dry liner	99,3	3135X041	89 320 190; 043 WV 43	1006TAG; 1006TG1A; 1006TG2A; 1006TAG2/1004G; 1004TG1; 1004TG2
19	44 16 21 11 8	Dry liner	99,3	3135X046	—	4.40; 6.60
20	44 16 21 35 8	Dry liner	99,3	3135X063	—	1006TAG; 1006TG1A; 1006TG2A; 1006TAG2/1004G; 1004TG1; 1004TG3
21	44 16 21 17 8	Dry liner	99,3	3135X066	—	4.40; 6.60
22	44 16 21 21 0	Dry liner	100,0	3135X062	—	1106C-E60TA Euro; T 4.40; T 6.60
23	44 16 21 16 8	Dry liner	100,0	3135X063	89 527 190; 043 WV 42	T 6.60; 1006-60T; T 4.40; T 6.60; 1004-40; 1006-60; 1006-60TW
24	44 16 21 36 8	Dry liner	100,0	3135X041	89 320 190; 043 WV 43	T 6.60; 4.40; T 4.40; T 6.6; 1106C-E60TA; 1006-6
25	44 16 21 14 0	Dry liner	100,0	3135X042	—	1006TAG; 1006TG1A; 1006TG2A; 1006TAG2/1004G; 1004TG1; 1004TG4
26	44 16 21 15 0	Dry liner	100,0	3135X045	—	4.40; 6.60
27	44 16 21 32 8	Dry liner	100,0	3135X062	—	1006TAG; 1006TG1A; 1006TG2A; 1006TAG2/1004G; 1004TG1; 1004TG5
28	44 16 21 22 0	Dry liner	100,0	3135X065	—	T4.40; T6.60; T4.401; T6.601
29	44 16 21 08 8	Dry liner	100,2	3135X033	—	4.248
30	44 16 21 19 8	Dry liner	100,2	31358362	—	4.248; 6.372
31	44 16 21 04 8	Dry liner	101,1	31358343	88 587 190; 043 WV 14	A 4.248; 4,248
32	44 16 21 18 8	Dry liner	101,1	31358346	89 022 190; 043 WV 20	4.248; 6.372; 6.372.4
33	44 16 21 23 8	Dry liner	101,1	31358352	88 587 190; 043 WV 14	A 4.248; 4,248
34	44 16 21 12 0	Dry liner	101,1	3135X034	—	4.248
35	44 16 21 28 0	Dry liner	108,0	31358126	—	V8.540
36	44 16 21 31 0	Dry liner	135,0	CV72010	—	Perkins 135

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 01 21 01 0	Dry liner	121,0	51.01201.0245; 51.01201.0091; 51.01201.0221; 10.1201.0221; 10.1201.0158	88 853 110; 227 WT 15	D2156
2	44 01 21 07 0	Dry liner	121,0	—	89 466 110; 227 WT 45	D10TC; D10UT
3	44 01 21 15 0	Dry liner	121,0	—	89 465 110; 227 WT 44	D10TC; D10UT
4	44 01 21 13 0	Dry liner	121,0	—	89 467 110; 227 WT 48	D10TC; D10UT
5	44 01 21 10 0	Dry liner	121,0	51.01201.0244	88 854 110; 227 WT 16 00	D2156
6	44 01 21 06 0	Dry liner	123,0	50.00282.437; 51.01201.0199; 51.01201.0262	88 871 110; 227 WT 19	D2356

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 05 21 18 0	Wet liner	102,0	5001856169	89 464 110; 592 WN 11	MIDR04.02.26; MIDR06.02.26
2	44 05 21 08 0	Wet liner	102,0	5000336162	89 173 110; 592 WN 09	797; 712.11; 797-21; MIDR 06.02.12; U 5 M 62; 712.13
3	44 08 21 04 0	Wet liner	108,0	4 901 316	89 862 110	DXi5; DXi7
4	44 05 21 16 0	Wet liner	120,0	5000658755; 5000663653; 5000670968; 5000681060; 5000686307; 5000686308; 5010330565; 7421105682; 7421105695; 500807294	89 420 110; 209 WN 17	MIDR06.20.30; MIDR06.20.45; MIDS06.20.30; MIDS06.20.45; MIPR06.20.45; MIPS06.20.30; MIPS06.20.45; MIS06.20.30
5	44 05 21 17 0	Wet liner	120,0	5000 658 756; 771 552	89 077 110; 209 WN 13	MID06.20.30; MID620.30; MIP06.20.30
6	44 05 21 01 0	Wet liner	120,0	5000 793 390; 771 555	89 078 110; 209 WN 12	MIDR06.20.30; MIDR06.20.45; MIDS06.20.30; MIPS06.20.30; MIS06.20.30
7	44 05 21 05 0	Wet liner	120,0	130008	88 034 110; 209 WN 04	MDUMK; MDX 48 M; MDX 16 M; MDU 24 M; MDU 45 M; MDZ 23; MDU 44 M; M 620 P; MDX 44 M; MDU 44 M; M 620 P; MDX 44 M; MDX 24 M; M 520; MDX 46 M; M 420; MDXM; MDU 25 M; M 620 Z3
8	44 05 21 06 0	Wet liner	120,0	5010240945; 5010240948	89 568 110; 209 WN 20	MIDR 06.20.45 A2; MIPR 06.20.45 A3; MIDR 06.20.45 E2; MIDR 06.20.45 E/41; MIDR 06.20.45 C/4; MIDR 06.20.45 M41; MGDR 06.20.45 A491
9	44 05 21 07 0	Wet liner	120,0	5010295869; 5010330564	89 567 110	MIDR 06.20.45 B/3; MIDR 06.20.45 BC; MIDR 06.20.45 D/3; MIDR 06.20.45 D/41; MIDR 06.20.45 DD; MIDR 06.20.45 E; MIDR 06.20.45 E/2; MIDR 06.20.45 E/41; MIDR 06.20.45 H; MIDR 06.20.45 M41 Euro 2
10	44 05 21 04 0	Wet liner	123,0	7421106964	89 588 110; 209 WN 28 01	DCi11E; MIDR06.23.56
11	44 05 21 09 0	Wet liner	123,0	5010359561; 7421106964	89 588 110; 209 WN 28; 209 WN 21	MIDR 06.23.56; DCi 11C; MIDR 06.23.56; MIDR 06.23.56 B4; DCi 11E; MIDR 06.23.56 A/41
12	44 05 21 19 0	Wet liner	123,8	509GC463; 20706103	209 WN 22	Mack12 E7; MIDR 06.24.65
13	44 02 21 14 0	Wet liner	131,0	20480098; 20498544	89 593 110; 037 WN 48	DXi12
14	44 05 21 02 0	Dry liner	135,0	5 000 659 461	89 085 110; 209 WT 15	M635.40; 063.540; R06.35.40; S06.35.40; MIDR06.35.40; MIDS06.35.40; MS06.35T
15	44 05 21 03 0	Dry liner	135,0	5 000 678 033	89 451 110; 209 WT 18	MIDR06.35.40J1 Euro1; MIDR06.35.40J3 Euro1; MIDR06.35.40L1; MIDR06.35.40L3 Euro1; MIDR06.35.40M3 Euro1; MIDR06.35.40N/3Euro1; MIDR06.35.40P41 Euro2

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 04 21 03 0	Wet liner	115,0	348967; 1319247	89 844 100; 89 385 110; 061 WN 11	DSC9; SC9
2	44 04 21 01 0	Wet liner	115,0	245398	89 088 110; 061 WN 08	D8; DN8; DS8; DSI8; DN9; DS9; DSC9
3	44 04 21 15 0	Wet liner	115,0	1365142; 1402907; 351887	89 599 110	D 9; DS 9; DSC 9; DSI 9
4	44 04 21 19 0	Wet liner	127,0	1484492; 1382183; 1868157; 1917107	89 541 110; 89 894 110; 89 901 110	DC12 Euro3
5	44 04 21 20 0	Wet liner	127,0	1786085; 1868159; 1917101	89 881 110; 061 WN 26	DC9; DC11; DC12; DC16; DI12; DSC12; DT12
6	44 04 21 07 0	Wet liner	127,0	1118368; 273759; 363302	89 366 110; 061 WN 05	D11; DN11.01; DSC11.01
7	44 04 21 08 0	Wet liner	127,0	1114035; 235828; 295053; 363301	89 367 110; 061 WN 09	DS11.01; DS11.02; DS11.14; DS11.15; DS11.16; DS11.18; DS11.34; DS11.71; DS11.72; DS11.73; DS11.74; DSC11(USA); DSC11.01; DSC11.02; DSC11.04; DSC11.12; DSC11.13; DSC11.16; DSC11.16B; DSC11.17; DSC11.17B; DSC11.18; DSC11.18B; DSI11(USA)
8	44 04 21 06 0	Wet liner	127,0	1305546	89 497 110; 061 WN 19	DS1108; 21; 22; 23; 30; 35; 36; 39; 75; DTC11Euro1; DSC11Euro121; 23; 74; 75; DSC1135; 36; 39; 71; DSC11Euro2
9	44 04 21 10 0	Wet liner	127,0	1518466	89 894 110; 061 WN 27	SCANIADC12.10Euro4; DC12.13Euro4; DC12.25Euro4; DC9.16Euro4; DC9.17Euro4; DC9.18Euro4; DT12.03Euro4; DT12.11Euro4; DT12.12Euro4; DT12.17Euro4; DT12.19
10	44 04 21 11 0	Wet liner	127,0	374801	89411110; 061 WN 12	DS 14; DSC 14
11	44 04 21 12 0	Wet liner	127,0	1302095; 1305095	89 439 110; 061 WN 14	DS 11; DSC 11; DTC 11
12	44 04 21 14 0	Wet liner	127,0	170690; 230151; 231276; 239151	88 568 110; 061 WN 13	DS 14; DSC 14
13	44 04 21 21 0	Wet liner	130,0	1918972; 2043067; 1850688; 2076168	89 908 110; 061 LW 00104 001	DC13
14	44 04 21 16 0	Wet liner	130,0	—	—	DC 09

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 04 15 01 0	Ring carrier piston	115,0	—	40 263 599	DSC 9 Euro 2
2	44 04 15 02 0	99374600 - Ring carrier piston. With cooling channel. 99500600 - Ring carrier piston. With cooling channel. 40368600 - Articulated piston.	127,0	—	99 374 600; 99 500 600; 40 368 600	DC12 Euro 3
3	44 04 15 03 0	Ring carrier piston	127,0	99 496 600	99 496 599	DSC11 Euro 3
4	44 04 15 04 0	Ring carrier piston	127,0	—	—	DC; DSC 11/12; DT; SC
5	44 04 15 05 5	Steel piston	130,0	1790238; 1880980	061 PI 00110000	DC13



## SHANGHAI DIESEL

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 37 21 01 0	Wet liner	135,0	763C-02-001B2	—	6135, 12V135

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 37 15 01 0	Ring carrier piston	135,0	763CA-05-001	—	SHANGHAI 135 mm

## SISU

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 12 21 01 0	Wet liner	108,0	836647420; 836666990; 836673191	89 737 110	620 DWBAE Euro 3; 634 DWBAE Euro 3

## STEYR

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 21 05 0	Wet liner	110,0	—	88 429 110	WD 113 a; WD 113 u; WD 213s; WD 318; WD 413; WD 413 c

## TATA

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 03 21 17 8	Dry liner	97,0	352 011 16 10; 362 011 01 10; 362 011 02 10; 362 011 03 10; 362 011 05 10; 362 011 06 10; 362 011 13 10; 366 011 03 10; 366 011 04 10; 366 011 05 10	89 177 190; 89 543 190	OM 314; OM 352; OM 353; OM 354; OM 356; OM 357; OM 366; OM 386

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 38 15 01 0	Ring carrier piston	97,0	—	93 750 600	497 / 697
2	44 38 15 02 0	Ring carrier piston	97,0	—	—	DICOR

## UTB

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 13 21 01 0	Wet liner	107,9	114.01.9.0	—	U650; U651
2	44 13 21 02 0	Wet liner	107,9	114.01.9.1	—	U650; U651
3	44 13 21 03 0	Wet liner	107,9	114.01.9.2	—	U650; U652
4	44 13 21 04 0	Wet liner	107,9	114.01.9.3	—	U650; U653
5	44 13 21 05 0	Wet liner	107,9	114.01.9.4	—	U650; U651

## VAZ (LADA)

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	2101-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	76,0	21010100401500,02,04/31/32	VAZ-2101, -2103
2	2108-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	76,0	2108100401500,02,04/31/32	VAZ-2108, - 21081, -1111
3	21011-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	79,0	21011100401510,12,14/31/32	VAZ-21011, - 2106
4	2105-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	79,0	2105100401500,02,04/31/32	VAZ-2105
5	21213-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	82,0	21213100401500,02,04/31/32	VAZ-21213, -2123, -21214-10
6	21083-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	82,0	21083100401500,02,04/31/32	VAZ-21083, -11113
7	2110-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	82,0	21100100401500,02,04/31/32	VAZ-2110, -2111
8	21124-1004015, AP, BP ("A", "B", "C", "D", "E")	Ring belt piston	82,0	21124100401500,02,04/31/32	VAZ-2112
9	11194-1004015, AP ("A", "B", "C", "D", "E")	Piston	76,5	11194100401010,11,12	VAZ-11194
10	21126-1004015, AP ("A", "B", "C", "D", "E")	Piston	82,0	21126100401010,11,12	VAZ-21126

## VOLKSWAGEN

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 20 21 01 8	Dry liner	76,5	441 801 3	89 163 190; 029 WV 13	AUDI SB; NC; CR; CY; RA; JK; DE; CN; VOLVO D 24; VW 1S; SB; MF; JR; CY; JP; DW; ACL; JK; 68A; CS; 1V; CP; 1C; CT
2	44 20 21 02 8	Dry liner	81,0	—	89 586 190	VW ACV; AGX; AHD; AHY; AJT; ANF; ANG; ANH; ANJ; APA; AUF; AXG; AXL; AYC; AYY; BBE; BBF; BCT; BCU; BCV
3	44 20 21 03 8	Dry liner	93,0	—	89 734 190; 151 WV 32	VW AGK; ATA; AUH; BCQ

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 20 15 01 0	Piston with pin bush. With cooling channel	81,01	03L107065AG	40 353 600	VW 2.0 TDI

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 02 21 04 0	Wet liner	92,00	1542135P02; 1542136	89 162 110; 037 WN 20	TMD/TAMD31/41
2	44 02 21 25 0	Wet liner	95,25	420090; 420094	88 470 110; 037 WN 06	D 50; TD 50
3	44 08 21 03 0	Dry liner	98,00	0425 0003	89 830 110	TAD620
4	44 08 21 06 8	Dry liner	98,00	—	89 896 190	TAD620
5	44 02 21 20 0	Wet liner	98,42	420530; 420534; 465808	89 352 110; 037 WN 27	TD 60; TD 61; TAMD 60; TWD 61
6	44 02 21 02 0	Wet liner	98,40	465170; 465170P06	89 016 110	D60; TAMD60; TD60; TD61
7	44 02 21 29 0	Wet liner	98,43	275394	89 820 110; 037 WN 38	D6A; D6B
8	44 02 21 12 0	Wet liner	98,50	420 880; 420881; 866892	89 578 110; 037 WN 47	TD63
9	44 02 21 32 8	Dry liner	103,00	Repair sleeve		D4/D6 (VOLVO Penta)
10	44 02 21 16 0	Wet liner	104,77	397 854 0; 397 854 1; 384 353 7	89 585 110; 037 WN 49	D7A230Euro2; D7A260Euro2; D7A285Euro2; D7B230Euro2; D7B260Euro2
11	44 02 21 11 0	Wet liner	104,77	—	89 564 110; 037 WN 40	D7A230; D7A260; D7A285; D7B230; D7B260
12	44 02 21 27 0	Wet liner	104,77	421430P04; 466260P05; 466864; 466865	88 868 110; 037 WN 11	D 70; TD 70; TAMD 70; TID 70
13	44 02 21 28 0	Wet liner	104,77	471710	89 370 110; 037 WN 26	TD 70; TD 71; TID 71; TWD 71
14	44 02 21 10 0	Wet liner	104,78	271159	89 561 110; 037 WN 37	TD73
15	44 02 21 26 0	Wet liner	105,57	785929; 11030000; 11030002	88 602 110; 331 WN 02	D 42; TD 42; D 45; TD 45
16	43 02 21 30 0	Wet liner	107,00	20483013	89 839 110; 037 WN 52 00; 037 WN 52 01	D7C; TAD 740
17	44 08 21 04 0	Wet liner	108,00	0490 1316	89 862 110	D7E240; D7E280; D7E290; D7E320
18	44 02 21 18 0	Wet liner	120,00	203 811 25; 814 806 0	89 826 110; 037 WN 50	D9/MIDR0623
19	44 02 21 23 0	Wet liner	120,65	422 840; 479 200; 479 201; 8194050	89 431 110; 037 WN 29	D10/DH10/GH/10; TD 102; D 10; DH10A245
20	44 02 21 03 0	Wet liner	120,70	134970; 275051; 468830; 470836	89 084 110	TAD 120 BHC; TAD 121 CHC; TAMD 120 A/AK/B/C/D; TD 120 C/D/E; TD 121 A/F/FD; TD 122 GA/GH; TMD 121 A; TJD 121 G;
21	44 02 21 15 0	Wet liner	120,65	479604	89 175 110; 037 WN 23; 037 WN 34	TD100; TD100BG; TD100CHC; TD100F; TD100G; TD100GA; TD100GG; TD101F; TD101FA; TD101FC; TD101FD; TD101G; TD101GA; TD101GE; TD101GG; TD101KC; THD100; THD100DB; THD100DC; THD100DD; THD100E; THD100EA; THD100EB; THD100EC; THD100ED; THD100EE; THD100EK; THD101G; THD101GB; THD101GC; THD101GD; THD101K; THD101KB; THD101KC; THD101KE; THD101MC; TMD102A; TMD102C; TD102GB
22	44 02 21 24 0	Wet liner	120,65	479380	89 532 110; 037 WN 39	TD 103; D10A 360
23	44 02 21 22 0	Wet liner	120,65	479604	89 427 110; 037 WN 34	TD 101; TD 102; THD 100; THD 101; THD 102; TMD 100; TMD 102

№	Product SKU	Descr	Dia	OEM	Cross code	Engine model
24	44 02 21 19 0	Wet liner	120,65	422090P06; 422093; 422094; 540167; 422090	88 476 110; 037 WN 18	D 100; THD100; TMD100; THD101; MD 100; HD 100; TD 100
25	44 02 21 13 0	Wet liner	121,00	467380P06	89 087 110; 037 WN 21	VOLVOTD100; VOLVOTD100BG
26	44 02 21 30 0	Wet liner	123,00	20924026	037 LW 00106 001	D11F-A; D11H-A; D11C410 Euro5; D11C330 Euro5; D11H-B; D11C450; D11C370 Euro5 D11
27	44 05 21 04 0	Wet liner	123,00	7421106964; 5010359561	89 588 110; 209 WN 21; 209 WN 28	DCi11/MDR0623
28	44 02 21 32 0	Wet liner	123,80	509GC463; 20706103	209 WN 22	Mack12 E7; MIDR 06.24.65
29	44 02 21 05 0	Wet liner	130,18	470286	89 328 110; 037 WN 25	TAD 120 BHC; TAD 121 CHC; TAMD 120 A/AK/B/C/D; TD 120 C/D/E; TD 121 A/F/FD; TD 122 GA/GH; TMD 121 A; TJD 121 G;
30	44 02 21 06 0	Wet liner	130,18	478 140; 478 149; 478141; 478142	89 399 110; 037 WN 30	TAD120BHC; TAD121CHC; TAMD120A; D; TAMD121C; TAMD121D; TD120C; D; E; GG; TID120; TAMD122A; AF; TID121FG; TMD122; TAMD122D; TID121B; KG; KGP; KP; KPB; LG; LGP; LP; LPB; P; TWD1210Euro1; TD122; TD122Euro1; TAD1230G; GE; P; TAD1231Euro1GE; TAD1232Euro1GE; TD1216P; TD1210G; TWD1211G; TWD1231; TD120G; TD121K; TJD121G; TD122GA; TD122GH; TD122KE; TD122KHE
31	44 02 21 08 0	Wet liner	130,18	470 286; 470 480 11; 470484; 470485	89 522 110; 037 WN 25	TAD 120 BHC; TAD 121 CHC; TAMD 120 A/AK/B/C/D; TD 120 C/D/E; TD 121 A/F/FD; TD 122 GA/GH; TMD 121 A; TJD 121 G;
32	44 02 21 09 0	Wet liner	130,18	478380; 478381; 478382	89 549 110; 037 WN 51	TD123
33	44 02 21 14 1	Wet liner	131,00	20480098; 20498544	89 593 110; 037 WN 48	D12A и D12B/C/D
34	44 02 21 17 0	Wet liner	131,00	207 602 35; 208 584 51	89 886 110; 037 WN 56	D13
35	44 02 21 07 0	Wet liner	131,00	1677874	89 460 110; 037 WN 35	D12Euro2A340; A370; A380; A415; A420
36	44 02 21 31 0	Wet liner	144,00	1556532; 270935	89 868 110	D16/Mack MP10
37	44 02 21 21 0	Wet liner	144,00	1556120	89 368 110; 037 WN 28	TD 16; TID 162; TAMD 162; TXD 162

## Pistons

№	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 02 15 01 0	Ring carrier piston	92,00	—	037 01 00	VOLVO 92 mm
2	44 02 15 02 0	Ring carrier piston	98,43	—	40 255 600; 038 38 00	D6A
3	44 02 15 03 0	Ring carrier piston. With cooling channel	103,00	21921546	—	Volvo Penta D4/D6
4	44 02 15 04 0	Ring carrier piston. With cooling channel	120,00	20845937	40 276 600; 038 57 00	D9
5	44 02 15 05 5	Steel piston	123,00	20958115; 20577661	87-888100-02	D11 (DXi11)
6	44 02 15 06 3	Articulated piston	123,00	5010477524; 5001860646; 5600621133;	209 62 00; 209 63 00	DCi11
7	44 02 15 07 3	Articulated piston	123,80	215SB231A+57GC2153A; 215SB232A+51GC2143	—	Mack E7; MIDR 06.24.65
8	44 02 15 08 5	Steel piston	131,00	208 479 04; 211 051 77; 20727440	038 73 00; 224-3859	D13
9	44 02 15 09 0	Piston	131,00	21041800	—	D13/MACK MP8
10	44 02 15 10 3	Articulated piston	131,00	396 488 1; 819 399 0	40 265 600; 038 43 00	D12A/B/C/D
11	44 02 15 11 0	Ring carrier piston	131,00	204 825 87; 316 523 0	40 100 600; 038 56 00	D12C/D

## WEICHAI

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 21 01 0	Wet liner	105,0	13056682; 13024173	—	WP4/WP6 (аналог Deutz 226b)
2	44 25 21 02 8	Dry liner	108,0	Yz4108q-02118A	—	YZ4108
3	44 25 21 03 8	Dry liner	110,0	Repair sleeve	—	YZ4110
4	44 25 21 04 8	Dry liner	126,0	61500010344; 612630010015	89 387 110; 321 WT 22	WD615/WP10; (WD615.47) Euro2

### Pistons

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 15 01 0	Ring carrier piston	105,0	13022346	—	WP4/WP6
2	44 25 15 02 0	Ring carrier piston	108,0	—	—	YZ4108
3	44 25 15 03 0	Ring carrier piston	110,0	(YZ4110-)2030209	—	YZ4110
4	44 25 15 04 0	Ring carrier piston	126,0	612 6000 300 47	—	WP10
5	44 25 15 05 0	Ring carrier piston	126,0	612 600 030 011	—	WD615
6	44 25 15 06 0	Ring carrier piston. With cooling channel	126,0	612 6300 201 52	—	WP12

## WEIFANG

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 21 06 0	Wet liner	160,0	—	—	WEIFANG 160
2	44 25 21 07 0	Wet liner	170,0	—	—	WEIFANG 170
3	44 25 21 08 0	Wet liner	300,0	—	—	WEIFANG 300

## YaMZ

### Cylinder liner

Nº	Product SKU	Descr	Dia	OEM	Engine model
1	236-1002021-A5	Wet liner	130,0	236-1002021-A5	YMZ-236, -238 and their modifications
2	7511.1002021-01	Wet liner	130,0	7511.1002021-01	YMZ -236HE2,-236BE2,-238BE2, -238DE2, -7601,-7511,-7512,-7513
3	7511.1002021-10	Wet liner	130,0	7511.1002021-10	YMZ -236HE2,-236BE2,-238BE2, -238DE2, -7601,-7511,-7512,-7513 integrated unit
4	650.1002021	Wet liner	130,0	650.1002021	YMZ-650
5	840.1002021-11	Wet liner	130,0	840.1002021-11	YMZ-840,-847,-8401 and their modifications
6	236-1002021-B2	Wet liner	130,0	236-1002021-B2	YMZ-236, -238 and their modifications, integrated unit
7	240-1002021-B4	Wet liner	130,0	240-1002021-B4	YMZ -240M2, -240BM2

№	Product SKU	Descr	Dia	OEM	Engine model
1	236-1004015-D	Piston	130,0	236-1004015-Д	YMZ -236M2,-236G,-236A,-236EK,-236DK,-236D,-238M2,-238AM2,-238BM,-238GM2,-238EM2,-238KM2,-238AK
2	238HB-1004015	Piston	130,0	238HB-1004015	YMZ -236N,-236NE,-236VE,-236V,-238V,-238BV,-238BE,-238BL,-238BK,-238D,-238DE,-238DK,-238HD3(4,5),-238L,-238N
3	238HB-1004015-B4	Ring carrier piston	130,0	238HB-1004015-B4	YMZ -236H,-236HE,-236BE,-236B,-238B,-238BV,-238BE,-238BL,-238BK,-238D,-238DE,-238DK,-238HD3(4,5),-238L,-238H
4	7511.1004015-01	Ring carrier piston	130,0	7511.1004015-01	YMZ-7511.10, -7601.10 with head
5	7511.1004015-10	Ring carrier piston	130,0	7511.1004015-10	YMZ-236BE2,-236HE2,-238BE2,-238DE2,-7511.10,-7512.10,-7513.10 with head
6	7511.1004015-20	Ring carrier piston	130,0	7511.1004015-20	YMZ-236B,-236H,-236BE,-2365B2,-236BK,-236HD,-236HB,-236HE,-236HE2,-238B,-238BL,-238BV,-238HDB,-238BK,-238D,-238DI,-238HD3,-238DE,-238DE2,-238DK,-238HD4,-238HD6,-238HD8
7	658.1004015	Ring carrier piston	130,0	658.1004015	YMZ-658 with head
8	658.1004015-10	Ring carrier piston	130,0	658.1004015-10	YMZ-658 with head
9	8401.1004015-01	Ring carrier piston. With cooling channel	130,0	8401.1004015-01	YMZ-840,8401 and modifications
10	847.1004015	Ring carrier piston. With cooling channel	130,0	847.1004015	YMZ-847 and modifications

№	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 21 09 0	Wet liner	105,0	J5600-1002106	—	YC6J
2	44 25 21 10 0	Wet liner	105,0	6105QA-1002064A	—	YC6105
3	44 25 21 11 0	Wet liner	108,0	330-1002064B	—	YC4108/YC6108
4	44 25 21 12 8	Dry liner	108,0	A3100-1002064; A30-1002064	—	YC6A
5	44 25 21 13 8	Dry liner	110,0	530-1002026C	—	YC4E
6	44 25 21 14 8	Dry liner	112,0	G0100-1002026	—	YC4G/YC6G
7	44 25 21 15 8	Dry liner	112,0	G0100-1002026	—	YC4112
8	44 25 21 16 8	Dry liner	112,0	JGC-G011	—	YC6112
9	44 25 21 17 8	Dry liner	113,0	L3000-10021068	—	YC6L
10	44 25 21 18 8	Dry liner	120,0	M1300-1002106; 150-1002026	—	YC6M
11	44 25 21 19 8	Dry liner	108,0	D30-1002064B	—	YC4D

№	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	44 25 15 07 0	Ring carrier piston	105,0	J3600-1004001	13022346	—
2	44 25 15 08 0	Ring carrier piston	108,0	475-1004015; 475D-1004015A	—	—
3	44 25 15 09 0	Ring carrier piston	108,0	A8300-1004001	{YZ4110-}2030209	—
4	44 25 15 10 0	Ring carrier piston	110,0	E0400-1004001A	612 6000 300 47	—
5	44 25 15 11 0	Ring carrier piston	112,0	G2100-1004001	612 600 030 011	—
6	44 25 15 12 0	Ring carrier piston	113,0	L4700-1004001	612 6300 201 52	—



Nº	Product SKU	Descr	Dia	OEM	Cross code	Engine model
1	4001.1000108	Wet liner	100,0	55110018	—	—
2	6201.1000108	Wet liner	100,0	531 959 010 168	—	—
3	5201.1000108	Wet liner	102,0	5319 6901 0168	595 11 90; 595 26 90	—
4	8001.1000108	Wet liner	110,0	8000 2002; 8900 2002	595 WN 03	—







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