



Globally reliable

NEWSLETTER V1/9

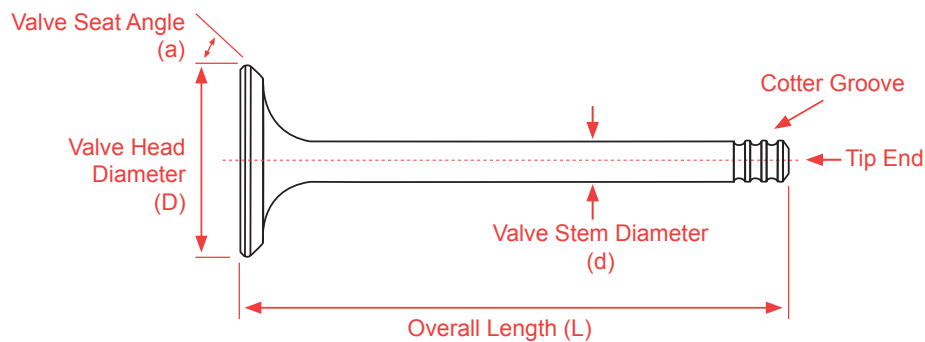


Technical terms on the valve

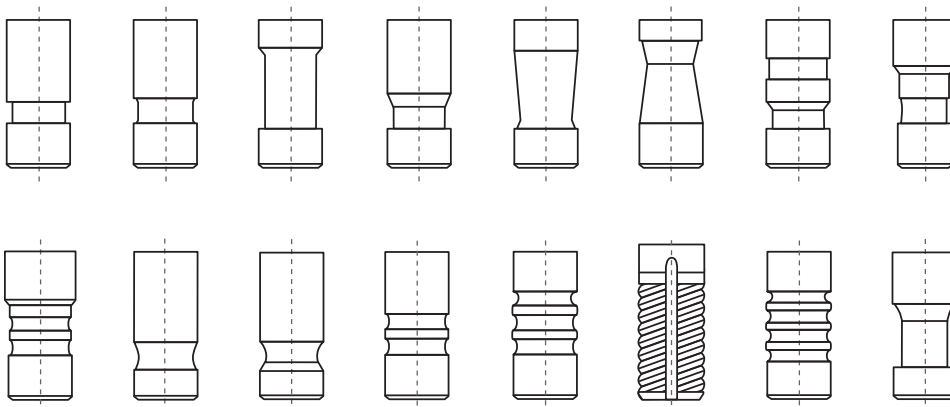
Material Specification

S	High alloyed chrome-silicium steel	S/H	Seat hardened
A	Austenitic Cr-Ni-Mn steel for high stressed exhaust valves	S/S	Seat stellite
A/S	Bimetal material	TH	Tip and cotter groove hardened
CR	Chromium plated stem	H	Tip hardened
NT	Nitrided valves	TW	Tip welded

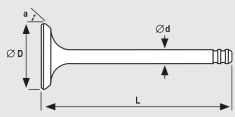
Main Dimensions



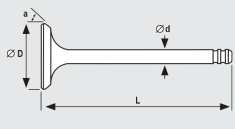
Cotter Groove Design



	ccm						IN/EX	QTY	Info	Pos.
M 271.820	1796	4	115-137 KW 156-186 PS	C-KLASSE C 180 / C 180 CGI / C 200 / C 200 CGI E-KLASSE E 200 CGI	01/07 - 08/09 - 12/16	82,00	147 010 0020 00	IN	8	1
M 271.860	1796	4	135-150 KW 184-204 PS	C-KLASSE C 200 CGI / C 250 / C 250 CGI E-KLASSE E 200 CGI / E 250 CGI	07/09 - 01/09 - 12/16	82,00	147 010 0020 00	IN	8	1
M 271.860, M 271.861	1796	4	135-150 KW 184-204 PS	SLK 200 / 250	02/11 -	82,00	147 010 0020 00	IN	8	1
M 271.910	1597	4	115 KW 156 PS	C-KLASSE C 180 Kompressor	01/08 - 08/14	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.911	1597	4	95 KW 129 PS	CLC 160	02/09 - 06/11	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.921	1796	4	90 KW 122 PS	C-KLASSE C 160 Kompressor	05/02 - 05/08	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.940	1796	4	120 KW 163 PS	C-KLASSE C 220 / C 200 Kompressor CLK 200 Kompressor	05/02 - 05/08 09/02 - 03/10	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.941	1796	4	120 KW 163 PS	E-KLASSE E 200 Kompressor / E 200 NGT	11/02 - 07/09	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.942	1796	4	125 KW 170 PS	C-KLASSE C 200 CGI Kompressor CLK 200 CGI	03/03 - 05/08 07/03 - 03/10	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.944	1796	4	120 KW 163 PS	SLK 200 Kompressor	03/04 - 02/11	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.946	1796	4	105 KW 143 PS	C-KLASSE C 180 Kompressor CLC 180 Kompressor	05/02 - 05/08 05/08 - 06/11	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.948	1796	4	141 KW 192 PS	C-KLASSE C 230 Kompressor	05/02 - 05/08	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.950	1796	4	135 KW 184 PS	C-KLASSE C 200 Kompressor	01/07 - 08/14	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.951	1796	4	115 KW 156 PS	SPRINTER 3.5-t 316 / 316 NGT / 316 LGT SPRINTER 3-t 216 SPRINTER 5-t 516 NGT	09/08 - 09/08 - 09/08 -	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.952	1796	4	115 KW 156 PS	C-KLASSE C 180 Kompressor	01/07 - 08/14	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.954	1796	4	135 KW 184 PS	SLK 200 Kompressor	01/08 - 02/11	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.955	1796	4	135 KW 184 PS	CLK 200 Kompressor	10/06 - 03/10	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.956	1796	4	135 KW 184 PS	E-KLASSE E 200 Kompressor	04/06 - 12/12	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.957	1796	4	120 KW 163 PS	CLC 200 Kompressor	05/08 - 06/11	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2
M 271.958	1796	4	120 KW 163 PS	E-KLASSE E 200 NGT	03/11 - 12/15	82,00	147 010 0021 00 148 010 0023 00	IN EX	8 8	2

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	147 010 0020 00	L = 105,50 D = 32,00 d = 6,00 a = 45°	S	CR			TH
2								
	IN	147 010 0021 00	L = 105,50 D = 30,50 d = 6,00 a = 45°	S	NT			TH
	EX	148 010 0023 00	L = 109,30 D = 27,00 d = 6,00 a = 45°	A/S	NT			TH

	ccm						IN/EX	QTY	Info	Pos.
B 10 XFL, D 10 XFL, F 10 XFL	999	3	66-77 KW 90-105 PS	ADAM 1.0 ASTRA K 1.0 Turbo CORSA E 1.0	07/14 - 11/18 06/15 - 12/22 09/14 -	74,00	147 035 0011 00 148 035 0011 00	IN EX	6 6	1
B 10 XFT, D 10 XFT	999	3	85 KW 115 PS	ADAM 1.0 CORSA E 1.0	07/14 - 11/18 09/14 -	74,00	147 035 0011 00 148 035 0011 00	IN EX	6 6	1
B 14 XFL, D 14 XFL	1399	4	92 KW 125 PS	ASTRA K 1.4 Turbo	06/15 - 12/22	74,00	147 035 0011 01 148 035 0011 01	IN EX	8 8	2
B 14 XFT, D 14 XFT	1399	4	110-112 KW 150-152 PS	ASTRA K 1.4 Turbo MOKKA X 1.4 4x4	06/15 - 12/22 06/16 -	74,00	147 035 0011 01 148 035 0011 01	IN EX	8 8	2
B 15 SFL, D 15 SFL	1499	4	103 KW 140 PS	INSIGNIA B Grand Sport 1.5	03/17 -	74,00	147 035 0011 01 148 035 0011 01	IN EX	8 8	2
B 15 SFT, D 15 SFT	1490	4	121 KW 165 PS	INSIGNIA B 1.5	03/17 -	74,00	147 035 0011 01 148 035 0011 01	IN EX	8 8	2
D 10 XFL	999	3	66-77 KW 90-105 PS	ADAM 1.0 ASTRA K 1.0 Turbo CORSA E 1.0	07/14 - 11/18 06/15 - 09/14 -	74,00	147 035 0011 00 148 035 0011 00	IN EX	6 6	1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	147 035 0011 00	L = 106,50 D = 28,00 d = 5,00 a = 45°	S	NT			TH
	EX	148 035 0011 00	L = 105,70 D = 23,30 d = 5,00 a = 45°	A/S	CR			TH
2								
	IN	147 035 0011 01	L = 106,50 D = 28,00 d = 5,00 a = 45°	S	NT			TH
	EX	148 035 0011 01	L = 105,70 D = 23,30 d = 5,00 a = 45°	A/S	CR			TH