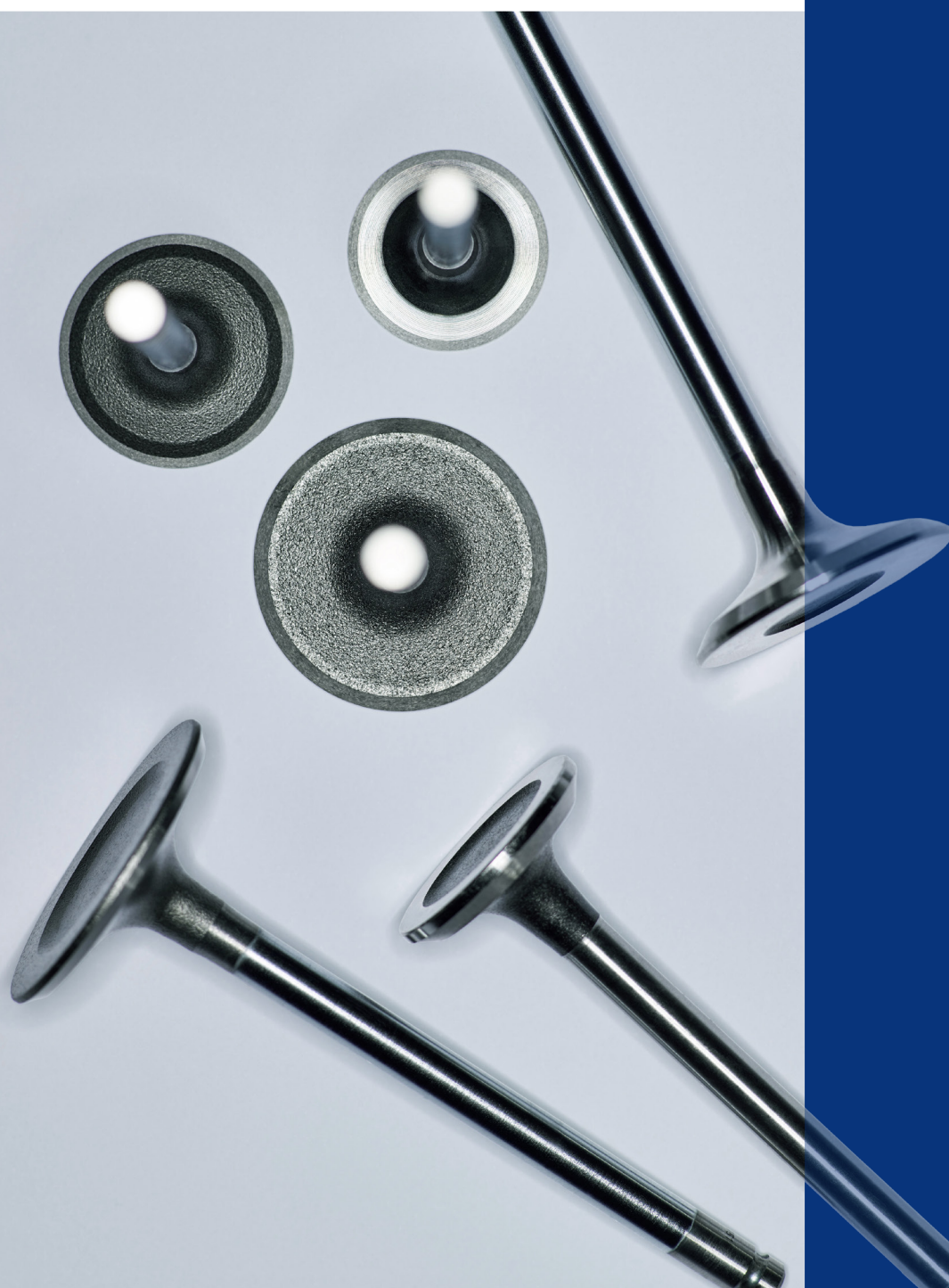




Globally reliable

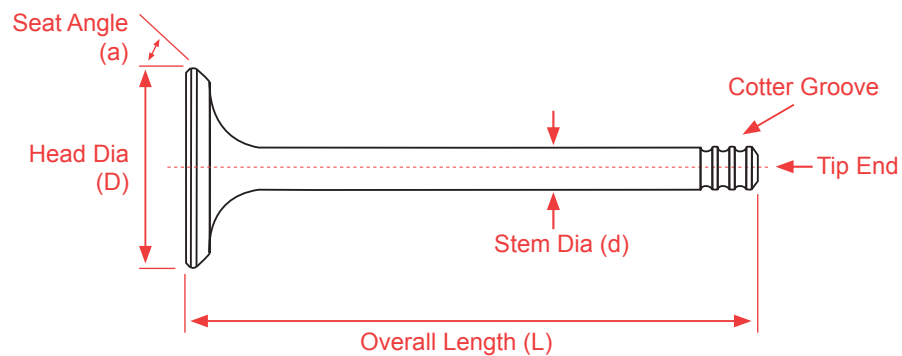
NEWSLETTER V0/1



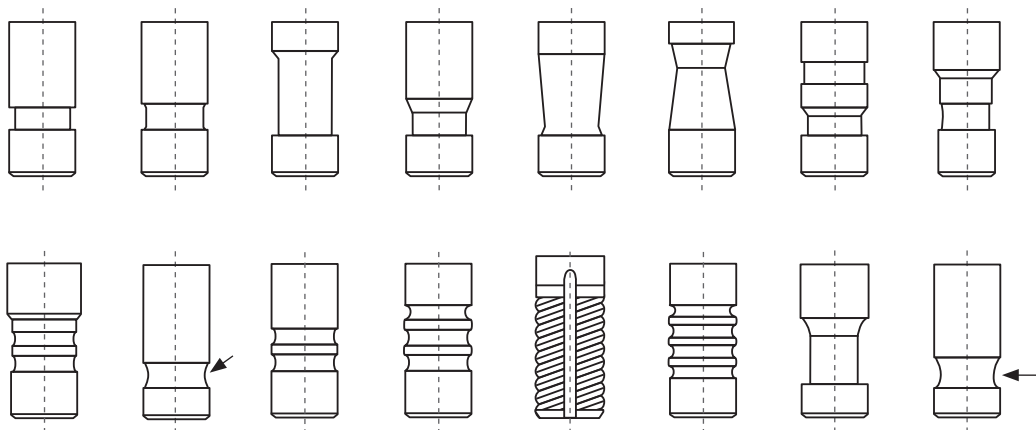
Process Codes

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

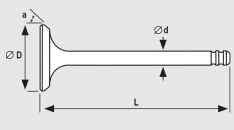
Dimensions



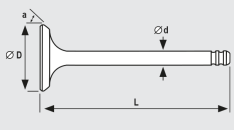
Cotter Groove Design



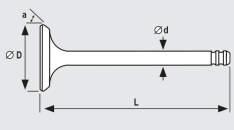
	ccm							IN/EX	QTY	Info	Pos.
AUA, BBY	1390	4	55 KW 75 PS	A2 1.4	02/00 - 08/05	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
BAD	1598	4	81 KW 110 PS	A2 1.6 FSI	05/02 - 08/05	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
BAG, BLF, BLP	1598	4	85 KW 115 PS	A3 1.6 FSI A3 Sportback 1.6 FSI	08/03 - 09/07 09/04 - 09/07	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
CAXA, CNVA	1390	4	90 KW 122 PS	A1 1.4 TFSI A1 Sportback 1.4 TFSI	05/10 - 11/11 -	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
CAXC, CMSA	1390	4	92 KW 125 PS	A3 / S3 1.4 TFSI A3 1.4 TFSI A3 Cabriolet 1.4 TFSI A3 Sportback 1.4 TFSI	09/09 - 08/12 09/07 - 08/12 02/11 - 05/13 09/07 - 03/13	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 5000 0000	L = 101,00 D = 29,50 d = 5,98 a = 45°	S				TH
	EX	57 5000 0000	L = 100,60 D = 26,00 d = 5,97 a = 45°	A/S				TH

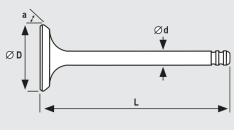
	ccm							IN/EX	QTY	Info	Pos.
HMU (EB2D)	1199	3	55 KW 75 PS	C4 CACTUS 1.2 VTi 75	09/14- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMY (EB2M)	1199	3	53 KW 72 PS	C-ELYSEE 1.2 VTi 72	11/12- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	C1 II 1.2 VTi 82	04/14- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	C-ELYSEE 1.2 VTi 82	12/14- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	C4 CACTUS 1.2 VTi 82	09/14- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	DS3 1.2 VTi 82	01/13-03/15 -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	C3 II 1.2 VTi 82	06/12- -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 3700 0000	L = 92,55 D = 29,15 d = 4,98 a = 45°	S				H
	EX	57 3700 0000	L = 91,85 D = 26,00 d = 4,97 a = 45°	A	NT			

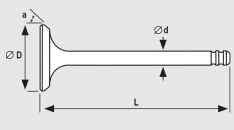
	ccm							IN/EX	QTY	Info	Pos.
B12D1, LMU	1206	4	53-62 KW 72-84 PS	AVEO 1.2 SPARK 1.2	01/08 - 03/10 -	69,70	56 1401 0000 57 1401 0000	IN EX	8 8		1
F14D3, L14	1399	4	69 KW 94 PS	AVEO 1.4 LACETTI 1.4 16V	03/06 - 12/07 03/05 -	77,90	56 1402 0000 57 1402 0000	IN EX	8 8		2
F16D3, LXT	1598	4	78 KW 106 PS	OPTRA 1.6	08/03 -	79,00	56 1402 0000 57 1402 0000	IN EX	8 8		2
F16D3, LXT	1598	4	77 KW 105 PS	AVEO 1.6 NUBIRA 1.6	09/03 - 01/10 -	79,00	56 1402 0000 57 1402 0000	IN EX	8 8		2
F16D3, LXT	1598	4	80 KW 109 PS	LACETTI 1.6	03/05 -	79,00	56 1402 0000 57 1402 0000	IN EX	8 8		2
L95	1399	4	69 KW 44 PS	AVEO 1.4 CNG	01/08 -	77,90	56 1402 0000 57 1402 0000	IN EX	8 8		2
M13A	1328	4	61 KW 83 PS	CRUZE 1.3	07/00 - 09/08	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		3

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 1401 0000	L = 99,20 D = 25,90 d = 4,98 a = 45°	S	NT			H
	EX	57 1401 0000	L = 100,00 D = 23,50 d = 4,97 a = 45°	A	NT			
2								
	IN	56 1402 0000	L = 101,65 D = 28,55 d = 5,98 a = 45°	S	NT			H
	EX	57 1402 0000	L = 101,25 D = 27,30 d = 5,95 a = 45°	A	CR			
3								
	IN	56 9404 0000	L = 100,70 D = 30,00 d = 5,48 a = 45°	S	NT			H
	EX	57 9404 0000	L = 99,00 D = 25,00 d = 5,46 a = 45°	A	NT			

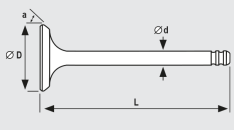
	ccm							IN/EX	QTY	Info	Pos.
M16A	1586	4	79-88 KW 107-120 PS	SEDICI 1.6 16V	06/06 - 10/14	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 9404 0000	L = 100,70 D = 30,00 d = 5,48 a = 45°	S	NT			H
	EX	57 9404 0000	L = 99,00 D = 25,00 d = 5,46 a = 45°	A	NT			

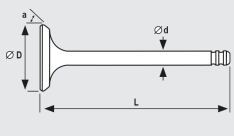
	ccm						IN/EX	QTY	Info	Pos.	
QQDA, QQDB	1798	4	92 KW 125 PS	FOCUS C-MAX 1.8	04/04 - 03/07	83,00	56 2100 0000 57 2100 0000	IN EX	8 8		1
QQDA, QQDB, QQDC	1798	4	90-92 KW 122-125 PS	C-MAX 1.8	02/07 - 09/10	83,00	56 2100 0000 57 2100 0000	IN EX	8 8		1
QQDC	1798	4	90 KW 122 PS	FOCUS C-MAX 1.8	09/05 - 03/07	83,00	56 2100 0000 57 2100 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 2100 0000	L = 103,50 D = 32,50 d = 5,48 a = 45°	S	NT			H
	EX	57 2100 0000	L = 104,50 D = 28,00 d = 5,48 a = 45°	A	NT			

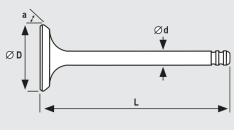
							IN/EX	QTY	Info	Pos.	
JL4G18	1792	4	93-102 KW 127-139 PS	EMGRAND (GEELY) EC7 1.8	07/09 -	79,00	56 9600 0000 57 9600 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 9600 0000	L = 88,80 D = 31,15 d = 5,48 a = 45°	S	NT			H
	EX	57 9600 0000	L = 88,70 D = 25,90 d = 5,45 a = 45°	A	NT			

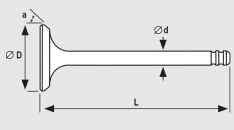
	ccm							IN/EX	QTY	Info	Pos.
GW4G15	1497	4	71-78 KW 97 PS	C30 1.5 FLORID 1.5	09/14 - 09/08 -	75,00	56 6801 0000 57 6801 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 6801 0000	L = 89,20 D = 30,50 d = 4,98 a = 45°	S	NT			H
	EX	57 6801 0000	L = 87,70 D = 25,50 d = 4,96 a = 45°	A	NT			

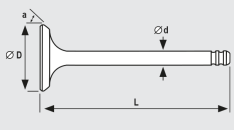
	ccm							IN/EX	QTY	Info	Pos.
D4CB	2497	4	81-125 KW 110-170 PS	H-1 2.5 CRDi H350 2.5 CRDi	07/01 - 04/15 -	91,00	56 5300 0000 57 5300 0000	IN EX	8 8		2
G4HC	999	4	40 KW 54 PS	ATOS 1.0 i ATOS PRIME 1.0 i	02/98 - 03/02 08/99- -	66,00	56 2404 0000 57 2404 0000	IN EX	8 4		1
G4HG	1086	4	45-51 KW 61-69 PS	ATOS PRIME (MX) 1.1 GETZ (TB) 1.1 i10 (PA) 1.1 SANTRO (MX) 1.1	09/05 - 05/02 - 01/11 12/07 - 11/10 04/05 - 05/05	67,00	56 5302 0000 57 5302 0000	IN EX	8 4		3

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 2404 0000	L = 100,30 D = 23,00 d = 5,46 a = 45°	S	NT			H
	EX	57 2404 0000	L = 100,10 D = 27,00 d = 5,44 a = 45°	A/S	NT			H
2								
	IN	56 5300 0000	L = 110,60 D = 31,80 d = 6,99 a = 45°	S	NT			TH
	EX	57 5300 0000	L = 110,55 D = 28,10 d = 6,95 a = 45°	A/S	NT			TH
3								
	IN	56 5302 0000	L = 99,70 D = 23,55 d = 5,47 a = 45°	S	NT			H
	EX	57 5302 0000	L = 99,20 D = 27,00 d = 5,47 a = 45°	A	NT			H, TW

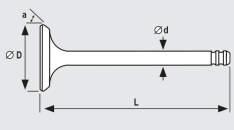
	ccm						IN/EX	QTY	Info	Pos.	
A5D	1493	4	72 KW 98 PS	RIO 1.5 16V	08/00 - 02/05	75,50	56 5303 0000 57 5303 0000	IN EX	8 8		4
D4CB	2497	4	95-131 KW 129-178 PS	K2500 (SD) 2.5 CRDi SORENTO I (JC) 2.5 CRDi	01/10 - 09/06 - 08/09	91,00	56 5300 0000 57 5300 0000	IN EX	8 8		1
G4HG	1086	4	48 KW 65 PS	Picanto (BA) 1.1	04/04 -	67,00	56 5302 0000 57 5302 0000	IN EX	8 4		3
J2	2665	4	59-61 KW 80-83 PS	BESTA 2.7 D K2700 2.7 D PREGIO (TB) 2.7 D	- - -	94,50	56 5301 0000 57 5301 0000	IN EX	4 4		2

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 5300 0000	L = 110,60 D = 31,80 d = 6,99 a = 45°	S	NT			TH
	EX	57 5300 0000	L = 110,55 D = 28,10 d = 6,95 a = 45°	A/S	NT			TH
2								
	IN	56 5301 0000	L = 112,80 D = 44,00 d = 8,48 a = 45°	S	NT			TH
	EX	57 5301 0000	L = 112,85 D = 37,20 d = 8,47 a = 45°	A/S	NT		S/S	TH
3								
	IN	56 5302 0000	L = 99,70 D = 23,55 d = 5,47 a = 45°	S	NT			H
	EX	57 5302 0000	L = 99,20 D = 27,00 d = 5,47 a = 45°	A	NT			H, TW
4								
	IN	56 5303 0000	L = 96,40 D = 27,80 d = 5,47 a = 45°	S	NT			H
	EX	57 5303 0000	L = 95,50 D = 24,90 d = 5,45 a = 45°	A	NT			

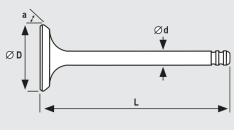
	ccm							IN/EX	QTY	Info	Pos.
LF479Q1	1342	4	65 KW 88 PS	LIFAN 520 1.3	07/06 - 12/15	1,00	56 6106 0000 57 6106 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 6106 0000	L = 88,00 D = 31,00 d = 5,96 a = 45°	S	NT			
	EX	57 6106 0000	L = 88,00 D = 24,50 d = 5,96 a = 45°	S	NT			

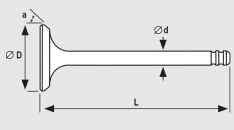
	ccm						IN/EX	QTY	Info	Pos.
20 XE	1998	4	115 KW 156 PS	KADETT E CC 2.0 GSI 16V	12/87 - 08/91	86,00	56 3500 0000 57 3500 0000	IN EX	8 8	1
6V1	3494	6	158 KW 215 PS	MONTEREY B 3.5 V6 24V	07/98 - 08/99	93,40	56 3501 0000 57 3501 0000	IN EX	12 12	2
C 20 LET	1998	4	150 KW 204 PS	CALIBRA A (85_) 2.0 i Turbo 4x4 VECTRA A (86_, 87_) 2.0 i Turbo 4x4	03/92 - 07/97 06/94 - 11/95	86,00	56 3500 0000 57 3500 0000	IN EX	8 8	1
C 20 XE	1998	4	110 KW 150 PS	ASTRA F CC 2.0 GSI 16V CALIBRA A 2.0 i 16V KADETT E CC 2.0 GSI 16V KAT VECTRA A 2000/GT 16V KAT	09/91 - 01/98 06/90 - 02/94 03/88 - 05/92 08/89 - 11/95	86,00	56 3500 0000 57 3500 0000	IN EX	8 8	1
C14SEL	1389	4	63 KW 86 PS	CORSA B 1.4 i 16V	08/97 - 09/00	77,60	56 3503 0000 57 3503 0000	IN EX	8 8	3
C16SEL	1598	4	74 KW 100 PS	ASTRA G CC 1.6 16V CORSA B 1.6 i 16V CORSA CLASSIC 1.6 TIGRA 1.6 16V	02/98 - 01/05 08/97 - 09/00 01/00 - 12/03 08/97 - 08/98	79,00	56 3503 0000 57 3503 0000	IN EX	8 8	3
X14XE	1389	4	66 KW 90 PS	Astra F 1.4i 16V	01/96 - 03/01	77,60	56 3503 0000 57 3503 0000	IN EX	8 8	3
X14XE	1389	4	66 KW 90 PS	ASTRA F 1.4 i 16V Astra G 1.4 16V CORSA B 1.4 i 16V TIGRA 1.4 16V	01/96 - 03/01 02/98 - 01/05 09/94 - 09/00 08/97 - 12/00	77,60	56 3503 0000 57 3503 0000	IN EX	8 8	3
X16XEL	1598	4	74 KW 100 PS	ASTRA F 1.6 i 16V ASTRA G 1.6 16V VECTRA B 1.6 i 16V	08/94 - 01/98 02/98 - 01/05 10/95 - 07/02	79,00	56 3503 0000 57 3503 0000	IN EX	8 8	3
Y 32 NE	3165	6	151 KW 205 PS	FRONTERA B 3.2 i 24V	10/98 -	93,40	56 3501 0000 57 3501 0000	IN EX	12 12	2
Z14XE	1389	4	66 KW 90 PS	Astra G 1.4 16V Corsa C 1.4	02/98 - 01/05 09/00 - 12/09	77,60	56 3503 0000 57 3503 0000	IN EX	8 8	3
Z16XE	1598	4	74 KW 100 PS	MERIVA 1.6 16V	05/03 - 01/06	79,00	56 3503 0000 57 3503 0000	IN EX	8 8	3
Z16XE	1598	4	74 KW 100 PS	Vectra C 16V	06/04 -	79,00	56 3503 0000 57 3503 0000	IN EX	8 8	3

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 3500 0000	L = 105,10 D = 33,00 d = 6,96 a = 45°	S	CR			TH
	EX	57 3500 0000	L = 105,00 D = 29,00 d = 6,97 a = 45°	A/S	CR		S/S	TH
2								
	IN	56 3501 0000	L = 103,90 D = 34,00 d = 5,98 a = 45°	S	NT			H
	EX	57 3501 0000	L = 103,55 D = 29,00 d = 5,98 a = 45°	A	NT			
3								
	IN	56 3503 0000	L = 103,15 D = 31,05 d = 5,98 a = 45°	S	CR			TH
	EX	57 3503 0000	L = 102,15 D = 27,50 d = 5,96 a = 45°	A	CR			

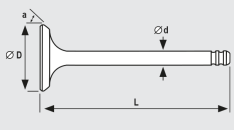
	ccm							IN/EX	QTY	Info	Pos.
HMY (EB2M)	1199	3	53 KW 72 PS	301 1.2 VTi 72	11/12 -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	301 1.2 VTi 82	12/14 - -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	108 1.2	05/14 - -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	2008 1.2 VTi	03/13 - -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	208 1.2	03/12 - -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1
HMZ (EB2F)	1199	3	60 KW 82 PS	308 II 1.2 VTi	09/13 - -	75,00	56 3700 0000 57 3700 0000	IN EX	6 6		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 3700 0000	L = 92,55 D = 29,15 d = 4,98 a = 45°	S				H
	EX	57 3700 0000	L = 91,85 D = 26,00 d = 4,97 a = 45°	A	NT			

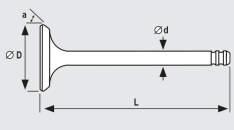
	ccm							IN/EX	QTY	Info	Pos.
CAXC	1390	4	92 KW 125 PS	ALTEA 1.4 TSI ALTEA XL 1.4 TSI	11/07 - 11/07 -	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
CGGB	1390	4	63 KW 86 PS	ALTEA 1.4 16V ALTEA XL 1.4 16V	05/06 - 10/06 -	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 5000 0000	L = 101,00 D = 29,50 d = 5,98 a = 45°	S				TH
	EX	57 5000 0000	L = 100,60 D = 26,00 d = 5,97 a = 45°	A/S				TH

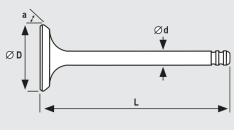
	ccm						IN/EX	QTY	Info	Pos.	
CAXA	1390	4	90 KW 122 PS	YETI 1.4 TSI	06/10 -	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1
CAXC	1390	4	92 KW 125 PS	SUPERB II 1.4 TSI	07/08 - 05/15	76,50	56 5000 0000 57 5000 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 5000 0000	L = 101,00 D = 29,50 d = 5,98 a = 45°	S				TH
	EX	57 5000 0000	L = 100,60 D = 26,00 d = 5,97 a = 45°	A/S				TH

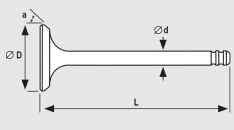
								IN/EX	QTY	Info	Pos.
M13A	1328	4	69 KW 94 PS	JUSTY III 1.3 AWD	09/03 -	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 9404 0000	L = 100,70 D = 30,00 d = 5,48 a = 45°	S	NT			H
	EX	57 9404 0000	L = 99,00 D = 25,00 d = 5,46 a = 45°	A	NT			

	ccm							IN/EX	QTY	Info	Pos.
K10B	996	3	50 KW 68 PS	ALTO 1.0	01/09 -	73,00	56 9402 0000 57 9402 0000	IN EX	6 6		1
K12M	1197	4	63 KW 86 PS	Swift Dzire 1.2	07/13 -	73,00	56 9403 0000 57 9403 0000	IN EX	8 8		2
M13A	1328	4	60-69 KW 82-94 PS	GRAND VITARA II 1.3 IGNIS II 1.3 SWIFT III 1.3 WAGON R+ 1.3	08/06 - 10/00 - 02/05 - 08/01 -	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		3
M16A	1586	4	78 KW 106 PS	MARUTI SUZUKI SX 4 1.6	05/07 -	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		3
M16A	1586	4	73-104 KW 99-142 PS	GRAND VITARA II 1.6 SWIFT III 1.6 SX4 1.6	09/05 - 02/15 05/06 - 06/06 -	78,00	56 9404 0000 57 9404 0000	IN EX	8 8		3

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 9402 0000	L = 87,55 D = 27,60 d = 5,49 a = 45°	A	NT			
	EX	57 9402 0000	L = 87,15 D = 22,90 d = 5,46 a = 45°	A	NT			
2								
	IN	56 9403 0000	L = 87,45 D = 27,40 d = 4,99 a = 45°	S	NT			H
	EX	57 9403 0000	L = 87,00 D = 22,90 d = 4,96 a = 45°	A	NT			
3								
	IN	56 9404 0000	L = 100,70 D = 30,00 d = 5,48 a = 45°	S	NT			H
	EX	57 9404 0000	L = 99,00 D = 25,00 d = 5,46 a = 45°	A	NT			

	ccm							IN/EX	QTY	Info	Pos.
B 4184 S11	1798	4	92 KW 125 PS	C30 1.8 S40 II 1.8 V50 1.8	10/06 - 12/12 04/04 - 12/10 04/04 - 12/10	83,00	56 2100 0000 57 2100 0000	IN EX	8 8		1

	IN/EX	ne		Material Specification	Valve Stem Coating	Cotter Design	Seat Treatment	Tip Treatment
1								
	IN	56 2100 0000	L = 103,50 D = 32,50 d = 5,48 a = 45°	S	NT			H
	EX	57 2100 0000	L = 104,50 D = 28,00 d = 5,48 a = 45°	A	NT			