

ULTIMATE PRO PERFORMANCE
VALVES

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CATALOGUE VL01

2013
2014



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N

Inlet valves for normal use in chrome nickel steel.

S

Inlet valves with particular needs and exhaust valves for normal engines in silicon chrome plated martensitic steel.

XB

Exhaust valves manufactured with steel containing 20% of chrome. This valves are particularly resistant to high temperatures and corrosion.

R

Exhaust valves manufactured with chrome nickel manganese steel for petrol and diesel engines which undergo difficult thermic and mechanical conditions.

I

Valve manufactured with Nimonic. This is a super magnetic alloy composed essentially by nickel, particularly suitable for inlet and exhaust valves which are subject to high temperatures and to a big corrosive action.

NT

Valves which have undergone a liquid nitrating process. This treatment improves the valve stem resistance to corrosion. The layer which undergoes such treatment also acts as a surface protection, limiting the danger of seizure, even in the absence of lubrication.

CR

Valves which chrome plated stem. This process increases the surface hardening of the stem with consequent sliding ease.

BM

Bimetallic valves for diesel and petrol engines with particular need, the head of this valves is manufactured in R or I steel and is very resistant to heat, while the stem is made in S steel which is very resistant to wear. The combination of this two steels austenitic magnetic for the head and martensitic for the stem allows the hardening of the stem end.

AR

In order to improve the valve seat resistance to wear and to corrosion, the seat itself undergoes a stellate coating process. This is particularly recommended for engines which function with unleaded fuel.

1 BEDFORD
2 CATERPILLAR
7 CUMMINS
9 DAF
11 DEUTZ / KHD
14 FIAT / IVECO
22 FORD
23 JOHN DEERE
24 LEYLAND
25 LISTER
26 MAN
28 MERCEDES-BENZ
30 MWM

31 PERKINS
35 PETTER
36 RVI
41 SCANIA
43 STEYR
44 VOLVO
47 ZETOR

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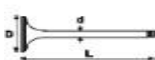
CATALOGUE VLOI
2013-2014

VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
KG - KGA - TK Eng. 381 cu.in series E KG - KH - KM Eng. 466 cu.in Eng. 500 cu.in	104.75	91013530 8829304	IN EX	VL.150-104-75 IN RCR VL.150-104-75 EX RCR	47.60 40.60	8.70 8.70	137.30 136.60	M M	30° 45°	VG.150-104-75 IN VG.150-104-75 EX	72.00 63.00	8.72 8.72	15.92 15.92

Technical drawings of 16 different types of screw heads, labeled A through S. The drawings show various head shapes, including hexagonal, cylindrical, and conical, with some including dimensions like $h = 1.25$ and $h = 1.6$.

VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
D4 - D4D - D5 - D6C	120.65	5S6452	IN	VL.080-120-65 IN S	51.50	9.50	140.00	K	30°	VG.080-114-30 IN/EX	71.00	9.53	16.72
977 - 11K - 76J		5S7232	EX	VL.081-120-65 EX R	48.00	9.50	139.00	K	30°	VG.081-114-30 IN/EX	70.50	9.53	16.72
3304 - 3306		8N0875											
920 - 922B - 930 - 944													
950 - 951B - 951C													
955K - 966C - 12F - 14E													
112F - 120 - 140	120.65	7S8809	IN	VL.082-120-65 IN S	51.50	9.50	140.00	K	30°	VG.080-114-30 IN/EX	71.00	9.53	16.72
D7F - 980B		9N6117								VG.081-114-30 IN/EX	70.50	9.53	16.72
D330C - D333C		2W2621											
Scrapers 627 - 637		5S7232	EX	VL.081-120-65 EX R	48.00	9.50	139.00	K	30°				
		8N0875											
		7S6767	EX	VL.082-120-65 EX BMCR	48.00	9.50	139.00	K	30°				
120G - 130G - 518	120.69	2W2620	IN	VL.083-120-65 IN R	51.50	9.50	136.50	K	30°	VG.080-114-30 IN/EX	71.00	9.53	16.72
950 - 955L		6N9915								VG.081-114-30 IN/EX	70.50	9.53	16.72
D4D - SA		7N0572											
920 - 930 - 941B - 951		1007860											
D6C - SA - D7G		7N0573	EX	VL-083-120-65 EX R	48.00	9.50	135.00	K	30°				
14G - 235 - 528 - 571		6N9916											
996C - 977L		1487455											
D5 - SA - 12G 561C		1007861											
Eng. 3304T-3304NA													
Eng. 3306T-3306NA													
Eng. 3406T - 3406TA													

Engine Type		O.E.M.	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 3116	126.90	7W8064 1614280 611589 7W2699 1051779 1360819 6115590	IN EX 	VL.080-126-90 IN BM VL.080-126-90 EX BMAR	47.00 40.00	8.00 8.00	177.00 177.00	EE EE	30° 45°	VG.080-126-90 IN/EX	75.20	8.05	13.03
Eng. 3406 Series 92U1 3408 Series 28V1 3412 Series 60M1-38S1	137.16	1W3859 2W2622 1152368 4N5654 1W3860 7N4580 4N5633 1152367 1061111	IN EX 	VL.080-137-16 IN RCR VL.080-137-16 EX RCR	45.00 41.80	9.50 9.50	181.50 181.50	K K	30° 45°	VG.080-137-16 IN/EX	82.00	9.50	17.51
988 - 620 - 631 - 641 650 - 651 - 657 - 666 824 - 824/B - 825/B 830 - 834 - 835	137.16	1P407 2M6402 1N4885 1P2629 2M6403 8N3725 7E7830	IN EX 	VL.081-137-16 IN RCR VL.081-137-16 EX RCR	45.00 42.00	9.50 9.50	152.00 152.00	K K	45° 45°	VG-081-137-16 IN/EX	71.50	9.53	17.54
ABCDEEEFGHIYKLMNOPQRS													

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
D7 Series N.17A	146.05	8H1993	IN	VL.080-146-05 IN S	59.50	12.60	236.00	G	45°	VG.080-146-05 IN/EX	132.5	12.71	23.85
D8 Series N.13A - 13A1		8H1994	EX	VL.080-146-05 EX R	58.00	12.60	235.00	G	45°				
14A - 14A1 - 15A - 15A1													
35A1 - 36A1													
Eng. D364 - D375													
Eng. D386 - D397													
D9 Series N.18A1	158.75	7M7817	IN	VL.080-158-75 IN R	63.50	12.50	238.50	G	30°	VG.080-146-05 IN/EX	132.5	12.71	23.85
19A1 - 34A1 - 49A1		8H7097	EX	VL.080-158-75 EX R	60.00	12.50	238.50	G	30°				
50A1 - 66A1		8N3723											
D379 - D398													
Eng. G379	158.75	1W8606	IN	VL.081-158-75 IN BMAR	63.50	9.30	238.50	K	30°				
Eng. D398		1W1822	EX	VL.081-158-75 EX BMAR	60.00	9.30	238.60	K	30°				
		2W3211											
Eng. 3204	114.30	9L7682	IN	VL.081-114-30 IN R	53.20	9.45	145.00	K	30°				
		9N5125	EX	VL.081-114-30 EX BMAR	46.00	9.45	144.50	K	45°				
		1196772											
Eng. 3516	170.18	7E4609	IN/EX	VL.080-170-18 BMAR	56.00	9.50	219.00	K	30°				
		1047184											
D3 Eng. 3204	114.30	9N0180	IN	VL.082-114-30 IN S	48.00	9.50	150.00	K	30°	VG.080-114-30 IN/EX	71.00	9.53	16.72
		9N0185	EX	VL.082-114-30 EX R	45.80	9.50	149.70	K	45°	VG.081-114-30 IN/EX	70.50	9.53	16.72

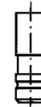


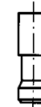




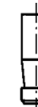


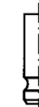




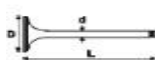


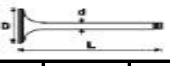
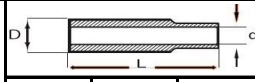


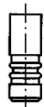
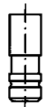
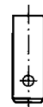
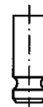



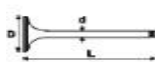
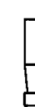
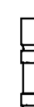
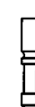
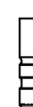
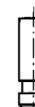
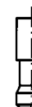
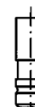
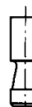
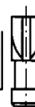


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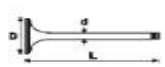
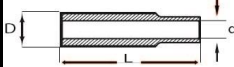
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 3066 CLZ-HBC	114.30	5I7738	IN	VL.083-114-30 IN RNT	44.00	8.00	134.20	M	30°				
		5I7739	EX	VL.083-114-30 EX RNT	37.00	8.00	134.00	M	30°				
Eng. 3408	137.16	122-0322	IN	VL.082-137-16 IN BMAR	45.00	9.50	184.40	K	30°	VG.080-114-30 IN/EX	71.00	9.53	16.72
Eng. EI GY		122-0321	EX	VL.082-137-16 EX BMAR	41.90	9.50	184.30	K	45°				

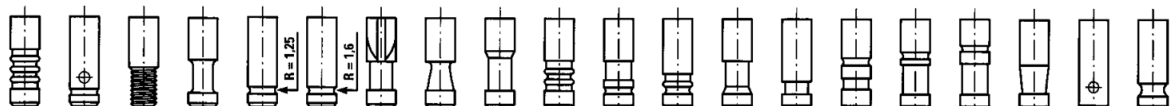
VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
4BT & 4BT Turbo D	102.00	3920867	IN	VL.090-102-00 IN SCR	45.00	8.00	129.20	EE	30°				
6B & 6BT Turbo D		3920868	EX	VL.090-102-00 EX BMCR	42.00	8.00	129.00	EE	45°				
		3802356											
6C Series	114.05	3924492	IN	VL.090-114-05 IN SCR	52.00	9.50	151.00	EE	30°				
		3802275											
		3802463											
		3921444	EX	VL.090-114-05 EX BMCR	46.00	9.50	151.00	EE	45°				
		3802085											
NH 180 - NH 195 L6	123.80	150288	IN	VL.090-123-80 IN/EX BM	44.50	10.30	179.00	K	30°				
		144911											

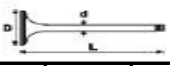
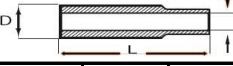
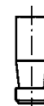
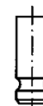
 **A**
 **B**
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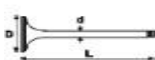
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
NH 230 - 230B - 250	139.70	135957	IN	VL.090-139-70 IN S	47.50	11.50	179.50	K	30°				
NHC 250 B-C-P		3000926											
NHE 220 - 225 - 225B		145701											
NHF 240 - 265		3040830	IN/EX	VL.090-139-70 EX BMCR	47.50	11.50	179.50	K	30°				
NHH 250 - NHCT		145701											
NTCC 250S - 290 - 350													
NT 270 - 280 - 300													
NT 310 - 335 - 400													
NTA 370 - 400 - 420													
NTC 230 - 250 - 280													
NTC 335 - 350 - 400													
NTCC 400 - NTF - 365													
NTA 380	139.70	3040830	IN/EX	VL.090-139-70 EX BMCR	47.50	11.50	179.50	K	30°				
V - VT - VTA		145701											
K Series	159.00	207241	IN	VL.090-159-00 IN S	56.40	12.60	191.80	M	30°				
KTA Series		3035110	EX	VL.090-159-00 EX BMCR	56.40	12.60	191.80	M	30°				
 A B C D E EE F G H I Y K L M N O P Q R S													

Technical drawings of 18 different types of screw heads, labeled A through S. The drawings show various head shapes, including hexagonal, cylindrical, and conical, with some having specific dimensions like $R = 1.25$ and $R = 1.6$ indicated.

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Series FA/FT 95.130 ATI Eng. WS225-WS259	130.00	1259989 1254382	IN EX	VL.182-130-00 IN BMCR VL.182-130-00 EX BMCR	54.70 49.80	11.00 11.00	175.00 175.00	S S	30° 30°	VG.181-130-00 IN/EX	75.00	11.07	17.05
XF 250, 315, 355 M4v Euro 2	130.00	1307654 1327029	IN EX	VL.183-130-00 IN SCR VL.183-130-00 EX BMCR	45.50 42.50	9.00 9.00	163.60 158.70	EE EE	30° 30°	VG.180-130-00 IN/EX	77.00	9.00	15.06
85 CF 24V, 95 XF 24V Eng. XF Euro 2, Euro 3	130.00	1342220 13626960	IN EX	VL.184-130-00 IN SCR VL.184-130-00 EX BMCR	45.50 42.50	9.00 9.00	163.70 158.60	EE EE	20° 45°	VG.180-130-00 IN/EX	77.00	9.00	15.06
CF85.430 XF95.430 12600 c.c.	130.00	1603846 1684773 1362696	IN EX	VL.185-130-00 IN SCR VL.184-130-00 EX BMCR	45.90 42.50	9.00 9.00	163.70 158.60	EE EE	20° 45°	VG.180-130-00 IN/EX	77.00	9.00	15.06



VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. F2L 1011	91.00	4272209	IN	VL.070-091-00 IN SCR	40.00	8.00	124.70	I	45°	VG.070-091-00 IN/EX	55.50	8.00	15.05
Eng. F3L 1011		4170898								VG.071-091-00 IN/EX	50.00	8.00	12.03
Eng. F4L 1011		4280404	EX	VL.070-091-00 EX BMCR	41.60	8.00	124.80	I	30°	VG.072-091-00 IN/EX	57.50	8.00	15.03
		4170899	EX	VL.071-091-00 EX RCR	34.90	8.00	124.70	I	45°				
		428 0350	IN	VL.071-091-00 IN BMCR	41.20	8.00	124.70	I	45°				
		4280049	EX	VL.072-091-00 EX BMCR	35.50	8.00	124.70	I	45°				
		4283376	IN	VL.072-091-00 IN SCR	41.70	8.00	119.50	I	30°				
		4283377	EX	VL.073-091-00 EX BMCR	36.00	8.00	119.50	I	45°				
Eng. BF 4M 1012	94.00	4208095	IN	VL.070-094-00 IN SCR	41.70	8.00	124.70	I	30°	VG.070-094-00 IN/EX	55.50	8.00	15.05
Eng. BF 6M 1012		4208096	EX	VL.070-094-00 EX RCR	35.90	8.00	124.70	I	45°	VG.071-094-00 IN/EX	52.80	8.00	15.03
										VG.072-094-00 IN/EX	57.50	8.00	15.03
Eng. FL812	95.00	4153773	IN	VL.070-100-00 IN SCR	43.00	8.00	133.00	E	45°	VG.070-100-00 IN/EX	57.50	8.00	15.05
Eng. FL912D	100.00	4153696	EX	VL.070-100-00 EX RCR	37.00	8.00	133.00	E	45°	VG.071-100-00 IN/EX	57.50	8.00	15.10
Eng. FL912W		2133730	IN	VL.071-100-00 IN RCR	40.00	8.00	133.00	E	45°	VG.072-100-00 IN/EX	60.00	8.00	15.05
Eng. FL511W		3371746	EX	VL.071-100-00 EX RCR	35.00	8.00	133.00	E	45°	VG.073-100-00 IN/EX	60.00	8.00	15.10
Eng. BF6L912 Turbo											VG.074-100-00 IN/EX	60.00	8.00
										VG.075-100-00 IN/EX	60.00	8.00	17.10
 A  B  C  D  E  EE  F  G  H  I  Y  K  L  M  N  O  P  Q  R  S													

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. FL912, FL912W	100.00	4230567	IN	VL.070-102-00 IN BMCR	43.00	8.00	133.00	I	45°	VG.070-100-00 IN/EX	57.50	8.00	15.05
Eng. FL913	102.00	4159138								VG.071-100-00 IN/EX	57.50	8.00	15.10
		4159136											
		4159137	EX	VL.070-102-00 EX BMCR	37.00	8.00	133.00	E	45°	VG.070-102-00 IN/EX	55.50	8.00	15.05
		4159139								VG.071-102-00 IN/EX	57.50	8.00	15.03
		4234952	IN	VL.071-102-00 IN SCR	44.90	8.00	133.00	I	45°				
		4231804	EX	VL.071-102-00 EX BMCR	37.00	8.00	133.00	I	45°				
Eng. BFL913C	102.00	4159140	IN	VL.072-102-00 IN BMCR	43.00	8.00	133.00	I	30°				
		4159137	EX	VL.070-102-00 EX BMCR	37.00	8.00	133.00	E	45°				
		4220143	IN	VL.073-102-00 IN BMCR	46.00	8.00	133.00	I	30°				
		4226413											
		4220142	EX	VL.073-102-00 EX BMCR	42.00	8.00	133.00	I	45°				
		4226412											
Eng. BF1013	108.00	4283380	IN	VL.070-108-00 IN SCR	48.00	9.00	139.00	I	30°				
		4283381	EX	VL.070-108-00 EX BMCR	42.00	9.00	139.00	I	45°				
Eng. FL413, FL413F Turbo	120.00	2402585	IN	VL.070-120-00 IN SCR	53.60	10.00	165.00	E	45°	VG.070-120-00 IN	95.00	10.00	16.05
Eng. BFL513RC, BFL513	125.00	4146226								VG.071-120-00 IN	95.00	10.00	16.10
		4146225								VG.070-120-00 EX	83.00	10.00	16.05
		2412165	EX	VL.070-120-00 EX RCR	46.60	10.00	165.30	E	45°	VG.071-120-00 EX	83.00	10.00	16.10
		2148907											

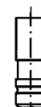
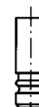
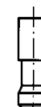
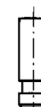
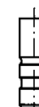


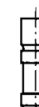
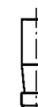


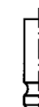




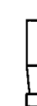
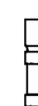
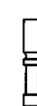
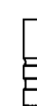
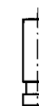
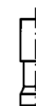
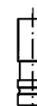
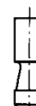
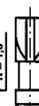
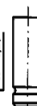
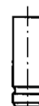


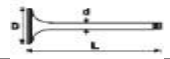
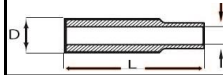






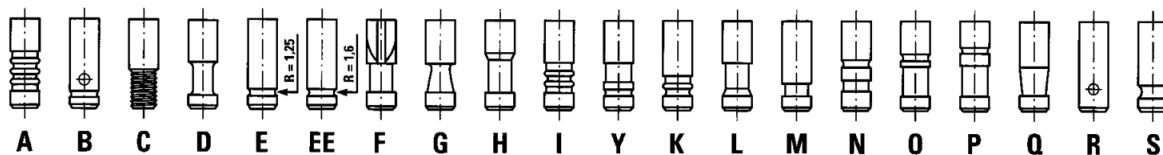



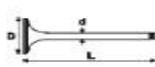
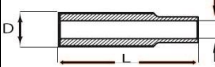


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Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. FL413F	125.00	4185770	IN	VL.070-125-00 IN SCR	53.60	10.00	165.00	A	45°				
		4185461	EX	VL.070-125-00 EX BMCR	46.60	10.00	165.30	A	45°				
		4240712											
	4185463	IN	VL.071-125-00 IN SCR	53.60	10.00	165.00	A	30°					
	4240714												
	4240713	IN	VL.072-125-00 IN SCR	56.50	10.00	165.40	A	30°					
 A B C D E EE F G H I Y K L M N O P Q R S													

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Daily 2.5TD id	93.00	7301820	IN	VL.062-093-00 IN RNT	41.00	8.00	120.70	EE	30°	VG.060-093-00 IN	56.00	8.03	13.03
New Daily 2.5 TD		7301821	EX	VL.062-093-00 EX RCR	34.50	8.00	122.00	EE	45°	VG.061-093-00 IN	56.00	8.03	13.08
Combi - Daily - Grinta										VG.060-093-00 EX	60.00	8.03	13.03
2.5 D										VG.061-093-00 EX	60.00	8.03	13.08
New Daily 2.5 TD	93.00	7301820	IN	VL.062-093-00 IN RNT	41.00	8.00	120.70	EE	30°	VG.060-093-00 IN (EX)	56.00	8.03	13.03
Eng. 8140.97 Turbo		7302157	EX	VL.063-093-00 EX RCR	34.50	8.00	122.00	EE	45°	VG.061-093-00 IN (EX)	56.00	8.03	13.08
New Daily 2.5 D	93.00	4813760	IN	VL.064-093-00 IN BMNT	41.00	8.00	121.90	EE	30°	VG.060-093-00 IN	56.00	8.03	13.03
A40.8 Bus 2.5 D	94.40	7303309	EX	VL.064-093-00 EX BMNT	34.50	8.00	121.90	EE	45°	VG.061-093-00 IN	56.00	8.03	13.08
Eng. 8140.07										VG.060-093-00 EX	60.00	8.03	13.03
2499 c.c.										VG.061-093-00 EX	60.00	8.03	13.08
New Daily 2.5D, 2.8D	93.00	98468338	IN	VL.065-093-00 IN BMCR	43.50	8.00	122.00	EE	30°	VG.060-093-00 IN (EX)	56.00	8.03	13.03
Eng. 8140.67F		98418161	EX	VL.065-093-00 EX BMCR	36.70	8.00	122.00	EE	45°	VG.061-093-00 IN (EX)	56.00	8.03	13.08
Daily 2.8 TD Intercooler	93.00	98468338	IN	VL.065-093-00 IN BMCR	43.50	8.00	122.00	EE	30°	VG.060-093-00 IN (EX)	56.00	8.03	13.03
Up to Eng. 3456314	94.40	99432837	EX	VL.066-093-00 EX BMCR	36.00	8.00	122.00	EE	45°	VG.061-093-00 IN (EX)	56.00	8.03	13.08
Turbo Daily 2.8 TD id	94.40	7301820	IN	VL.062-093-00 IN RNT	41.00	8.00	120.70	EE	30°	VG.060-093-00 IN (EX)	56.00	8.03	13.03
Daily 2.8 TD Intercooler		99432837	EX	VL.066-093-00 EX BMCR	36.00	8.00	122.00	EE	45°	VG.061-093-00 IN (EX)	56.00	8.03	13.08



Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Daily 3.0 Uni Jet 16V	95.80	504072531	IN	VL.060-095-80 IN SCR	32.40	6.00	120.00	I	30°	VG.060-088-00 IN/EX	49.00	6.00	10.05
Eng. F1CE0481A		504081062	EX	VL.060-095-80 EX BMCR	32.40	6.00	119.95	I	30°	VG.061-088-00 IN/EX	49.00	6.00	10.10
										VG.062-088-00 IN/EX	49.00	6.00	10.15
										VLG063-088-00 IN/EX	49.00	6.00	10.20
616N - N1 - NM	95.00	4578946	IN	VL.060-095-00 IN NNT	43.00	8.00	122.50	E	45°	VG.060-095-00 IN	49.00	8.03	15.04
625 N - N1 - N1P		4578947	EX	VL.060-095-00 EX RNT	35.00	8.00	122.50	E	45°	VG.061-095-00 IN	49.00	8.03	15.24
Eng. 213 H	95.00	4550817	IN	VL.061-095-00 IN NNT	40.50	9.00	131.00	E	45°	VG.062-095-00 IN	59.00	9.03	15.03
2693 c.c.													
314 - 414 - 416		4659379	IN	VL.062-095-00 IN NNT	44.00	8.00	125.50	E	45°	VG.063-095-00 IN/EX	56.00	8.03	14.02
645N - 650E - 650N - 662													
C145N - C40/50	4673608	IN	VL.062-095-00 IN NNT	44.00	8.00	125.50	E	45°	VG.065-095-00 IN/EX	56.00	8.03	14.15	
Eng. 8030.01 - 8040.01													100.00
Eng. 8060.01 - 8030.02	4673608	IN	VL.062-095-00 IN NNT	44.00	8.00	125.50	E	45°	VG.067-095-00 IN/EX	49.00	8.03	14.09	
Eng. 8040.02 - 8060.02													103.00
Eng. 8060.12 - 8040.04	4673608	IN	VL.062-095-00 IN NNT	44.00	8.00	125.50	E	45°	VG.069-095-00 IN/EX	49.00	8.03	14.24	
Eng. 8060.04													102.00
Eng. F4AE 0481	4895051	EX	VL.060-102-00 EX BMCR	33.00	7.00	124.20	EE	45°	VG.061-102-00 IN/EX	50.00	7.01	13.09	
Eurocargo 65/75 E 13/15													
Eurocargo 75/80/90/100													













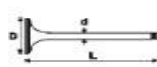
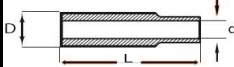








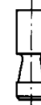


Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 8060.24	103.00	4802204	IN	VL.060-103-00 IN NNT	44.50	8.00	125.60	E	30°	VG.060-103-00 IN/EX	56.00	8.03	14.02
115/135.17 Turbo		4658055	EX	VL.060-103-00 EX BMNT	37.00	8.00	125.70	E	45°	VG.061-103-00 IN/EX	56.00	8.03	14.05
315.17 Bus										VG.062-103-00 IN/EX	56.00	8.03	14.15
Eng. 8060.05, 8040.05	104.00	99432652	IN	VL.060-104-00 IN SNT	45.50	8.00	125.50	E	30°	VG.060-103-00 IN/EX	56.00	8.03	14.02
Eng. 8060.25 Turbo		1904656	EX	VL.060-104-00 EX RNT	37.50	8.00	125.50	E	45°	VG.061-103-00 IN/EX	56.00	8.03	14.05
Eng. 8040.45 Turbo		4824416								VG.062-103-00 IN/EX	56.00	8.03	14.15
Eng. 8060.45 Turbo		4784888											
Eng. 8040.25.200		4803805											
Eng. 8040.25 B4200													
Eng. 8060.05.200/201													
Eng. 8060.45S-Turbo	104.00	98497235	IN	VL.061-104-00 IN SCR	46.00	9.00	141.20	E	30°	VG.061-104-00 IN	81.00	9.02	15.02
Eurocargo 120/130E23		99433902	EX	VL.061-104-00 EX BMCR	38.30	9.00	141.20	E	45°	VG.062-104-00 IN	81.00	9.02	15.07
										VG.061-104-00 EX	70.00	9.02	15.02
										VG.062-104-00 EX	70.00	9.02	15.07
Eng. CO3, CP3	110.00	8823545	IN	VL.060-110-00 IN NNT	43.00	8.00	138.00	E	45°	VG.060-110-00 IN	55.00	8.00	14.05
OM80/90/100/110		8823544	EX	VL.060-110-00 EX SNT	36.50	8.00	138.00	E	45°	VG.061-110-00 IN	55.00	8.00	14.10
OM 100/120/130										VG.062-110-00 IN	55.00	8.00	14.15
										VG.060-110-00 EX	62.00	8.00	14.05
										VG.061-110-00 EX	62.00	8.00	14.10
										VG.062-110-00 EX	62.00	8.00	14.15







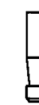





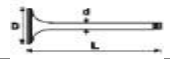
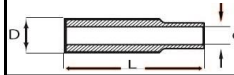


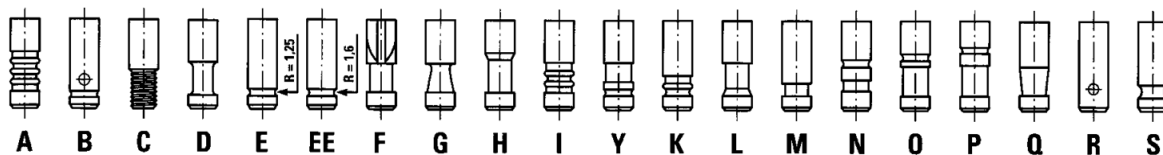


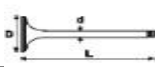
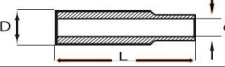


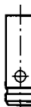




Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 8360.46 Turbo	112.00	98497241	IN	VL.060-112-00 IN BMCR	47.00	9.00	142.00	E	25°	VG.060-112-00 IN	62.00	9.02	16.05
Eng. 8360.46B/R/V Turbo		99438924	EX	VL.060-112-00 EX BMCR	42.50	9.00	142.30	E	45°	VG.060-112-00 EX	57.00	9.02	16.05
Eng. 8360SCR22A00 T. 180/190E24													
Eng. 8340.04, 8340.05	115.00	8824754	IN	VL.060-115-00 IN SNT	48.50	8.00	137.50	E	45°	VG.060-115-00 IN	62.00	8.00	14.05
Eng. 8360.03, 8360.04		4821709	EX	VL.060-115-00 EX BMNT	41.00	8.00	137.50	E	45°	VG.061-115-00 IN	62.00	8.00	14.10
Eng. 8360.05										VG.060-115-00 EX	55.00	8.00	14.05
150NC17, 150NR/NT										VG.061-115-00 EX	55.00	8.00	14.10
Eng. F4AE681A/E 24V	115.00	4895052	IN	VL.061-115-00 IN SCR	33.00	7.00	124.60	EE	30°	VG.062-115-00 IN/EX	40.00	7.01	13.05
5880 c.c.		4895051	EX	VL.061-115-00 EX BMCR	33.00	7.00	124.20	EE	45°	VG.063-115-00 IN/EX	40.00	7.01	13.10
Eng. F2BE0681/0682	115.00	99456803	IN	VL.062-115-00 IN BMCR	40.00	8.00	174.50	E	30°	VG.064-115-00 IN	75.50	8.02	13.03
Euromover 190/260 E24		500354685								VG.065-115-00 IN	75.50	8.02	13.08
Eurotech 190/260/440 E31		604042365											
Eurotech 190/260/400 E35		99457210	EX	VL.062-115-00 EX BMCR	39.00	8.00	173.30	E	45°	VG.066-115-00 EX	70.00	8.02	13.03
		500354687								VG.067-115-00 EX	70.00	8.02	13.08
		504042363											
		504078215											
Eng. 220H/8200.11	120.00	4535494	IN	VL.060-120-00 IN SNT	50.00	10.00	161.00	E	45°	VG.060-120-00 IN/EX	80.00	10.03	17.03
Eng. 8200.01.220		4535495	EX	VL.060-120-00 EX RCR	44.00	10.00	161.00	E	45°	VG.061-120-00 IN/EX	80.00	10.03	17.08
										VG.062-120-00 IN/EX	80.00	10.03	17.13

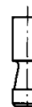


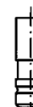
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					D	d	L				L	d	D
Eng. 8460.21.202	120.00	61320722	EX	VL.061-120-00 IN BMCR	49.50	9.00	147.30	EE	30°	VG.063-120-00 IN/EX	67.00	9.00	16.05
Eng. 8460.41, 8460.21		61316814								VG.064-120-00 IN/EX	67.00	9.00	16.10
Eng. 8460.21B, 8460.1C		61318428											
Eng. 8460.41D/E		61320865											
Eng. 8460.41K, 8460.41R		61321255	IN	VL.061-120-00 EX BMCR	42.50	9.00	146.00	EE	45°				
Eng. 8460.41L/M/N		6131593											
Eng. 8200.02, 8200.12	122.00	4684088	IN	VL.060-122-00 IN XBNT	51.00	10.00	161.00	E	45°	VG.060-122-00 IN	80.00	10.03	17.03
Eng. 8200.13	125.00	4684089	EX	VL.060-122-00 EX BMCR	45.00	10.00	161.00	E	45°	VG.061-122-00 IN	80.00	10.03	17.08
Eng. 8200.03										VG.060-122-00 EX	70.00	10.03	17.03
										VG.061-122-00 EX	70.00	10.03	17.03
Eng. 8220.02 X 200	125.00	61584588	IN	VL.060-125-00 IN SCR	53.50	9.00	141.50	E	30°	VG.060-125-00 IN/EX	67.00	9.00	16.05
Eng. 8220.12		61583970E								VG.061-125-00 IN/EX	67.00	9.00	16.10
Eng. 8220.02 Turbo		61579364											
Eng. 8220.22/32 Turbo		61584589	EX	VL.060-125-00 EX BMCR	46.00	9.00	141.50	E	45°				
		61583972E											
		61579824											
Eng. 203 - 203H	125.00	4535358	IN	VL.060-130-00 IN SNT	56.00	11.00	166.50	E	45°	VG.060-130-00 IN/EX	86.00	11.03	19.03
Eng. 310H	130.00	4535359	EX	VL.060-130-00 EX SNT	49.00	11.00	166.50	E	45°	VG.061-130-00 IN/EX	86.00	11.03	19.08
		4632840	EX	VL.061-130-00 EX BMNT	49.00	11.00	166.50	E	45°				
Eng. F3AE0681DA/AE	125.00	500355776	IN	VL.061-125-00 IN BMCR	43.00	9.00	202.90	E	30°	VG.062-125-00 IN	97.00	9.02	15.04
		500355779	EX	VL.061-125-00 EX BMCR	42.00	9.00	201.60	E	45°	VG.062-125-00 EX	97.00	9.02	15.04

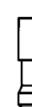



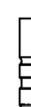
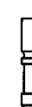
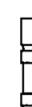
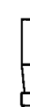




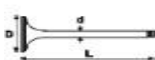






Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 221.000	135.00	4580688	IN	VL.060-135-00 IN SNT	58.00	11.00	166.50	E	45°	VG.060-135-00 IN	86.00	11.03	18.03
		4632840	EX	VL.060-135-00 EX BMVT	49.00	11.00	166.50	E	45°	VG.060-135-00 EX	76.00	11.03	18.03
Eurotrakker Cursor 13	135.00	500355778	IN	VL.061-135-00 IN SCR	47.00	10.00	199.30	E	30°	VG.061-135-00 IN	97.00	10.02	16.03
		500355780	EX	VL.061-135-00 EX BMCR	46.00	10.00	198.10	E	45°	VG.061-135-00 EX	97.00	10.02	16.03
Eng. 8241.02	137.00	4683025	IN	VL.060-137-00 IN XBNT	59.00	11.00	170.00	E	45°	VG.060-137-00 IN	86.00	11.03	18.03
Eng. 8210.12		4683026	EX	VL.060-137-00 EX BMCR	49.00	11.00	170.00	E	45°	VG.060-137-00 EX	76.00	11.03	18.03
Eng. 8210.22	137.00	98478407	IN	VL.061-137-00 IN BMCR	57.50	11.00	170.00	E	30°	VG.060-137-00 IN	86.00	11.03	18.03
Eng. 8210.22X		98474603								VG.060-137-00 EX	76.00	11.03	18.03
Eng. 8210.22V		98474604	EX	VL.061-137-00 EX BMCR	48.00	11.00	170.00	E	45°				
Eng. 8210.42, 8210.42R		98497026											
Eng. 8210.42 190/440E42	137.00	4695850	IN	VL.062-137-00 IN SCR	59.00	11.00	170.00	E	45°	VG.060-137-00 IN	86.00	11.03	18.03
		98480846								VG.060-137-00 EX	76.00	11.03	18.03
		98479276	EX	VL.062-137-00 EX BMCR	49.00	11.00	170.00	E	45°				
		99452179											
Eng. 8260.02 24V	145.00	4776446	IN	VL.060-145-00 IN SNT	51.00	10.00	156.50	E	30°	VG.060-145-00 IN/EX	67.00	10.03	17.03
		4697720								VG.061-145-00 IN/EX	67.00	10.03	17.08
		4704215	EX	VL.060-145-00 EX BMCR	45.00	10.00	156.50	E	45°	VG.062-145-00 IN/EX	67.00	10.03	17.13













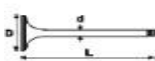
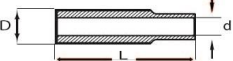






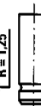


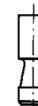

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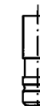
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					D	d	L				L	d	D
Eng. 8280.22 32V Turbo 190.38, 190.42 Turbostar 220/240.38TRU	145.00	4797715	IN	VL.061-145-00 IN BMCR	51.50	10.00	156.50	E	30°	VG.060-145-00 IN/EX	67.00	10.03	17.03
		4797186								VG.061-145-00 IN/EX	67.00	10.03	17.08
		1904657								VG.062-145-00 IN/EX	67.00	10.03	17.13
		4813201	EX	VL.061-145-00 EX BMCR	45.00	10.00	156.50	E	45°				
		4808415											
		1904658											
Eng.8080.42/S 32V Turbo	145.00	4846130	IN	VL.062-145-00 IN BMCR	51.60	10.00	157.30	E	30°	VG.060-145-00 IN/EX	67.00	10.03	17.03
		99457452								VG.061-145-00 IN/EX	67.00	10.03	17.08
		99444133	IN	VL.063-145-00 IN BMCR	51.50	10.00	157.30	E	25°	VG.062-145-00 IN/EX	67.00	10.03	17.13
		4828299	EX	VL.062-145-00 EX BMCR	45.00	10.00	156.00	E	45°				
		99444132											

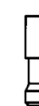


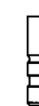
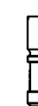
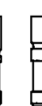
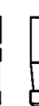








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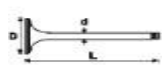
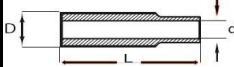
VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 4D, 6D	100.00	EIADDN6507	IN	VL.040-100-00 IN N	44.00	9.50	158.50	K	30°	VG.040-100-00 IN/EX	76.00	9.53	15.92
		EIADDN6505B	EX	VL.040-100-00 EX R	39.00	9.50	156.50	H	30°				
		EIADDN6505C	EX	VL.041-100-00 EX R	39.00	9.50	156.50	D	30°				
Eng. 360 DT Turbo	104.77	723F6507GAA	IN	VL.040-104-77 IN S	45.00	9.50	155.50	M	30°	VG.040-100-00 IN/EX	76.00	9.53	15.92
Eng. 2713E-365	106.68	723F6505GAA	EX	VL.040-104-77 EX R	39.00	9.50	156.50	M	30°				
Eng. LD 2502E-158	111.76	C5NE6507A	IN	VL.040-111-76 IN S	46.00	9.40	146.00	M	45°				
Eng. ND 2504E-175		C5NE6505A	EX	VL.040-111-76 EX R	38.50	9.40	146.00	K	45°				
Eng.6Y/7A													
Eng. 401													

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VALVES										VALVE GUIDES									
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.									
					D	d	L				L	d	D						
Eng. 310/510/710	98.00	T20174T	IN	VL.290-102-00 IN SCR	45.00	9.45	131.00	M	45°										
Eng. 3164 DL	102.00	CDX0881																	
Eng. 4219 DL	106.50	R52251																	
Eng. 3239 DL		R79623																	
Eng. 4239 DL		T20157T	EX	VL.290-102-00 EX RCR	40.00	9.45	131.00	M	45°										
Eng. 6359 DL		CDX0634A																	
		R52252																	
		R79624																	
Eng. 3164 D	102.00	R89219	IN	VL.291-102-00 IN RCR	46.00	9.45	131.00	M	30°										
Eng. 4219 D		R51735																	
		T20157T	EX	VL.291-102-00 EX RCR	40.00	9.45	131.00	M	45°										
		CDX0634A																	
		R52252																	
		R79624																	

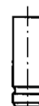
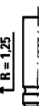
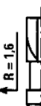
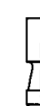
VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. SR1, SR2, SR3, SR4	88.90	201/50871	IN	VL.120-088-90 IN S	39.50	8.70	120.00	EE	45°				
		201/50891	EX	VL.120-088-90 EX XB	33.50	8.70	120.00	EE	45°				
Eng. ST1, ST2, ST3	95.25	201/80250	IN	VL.120-095-25 IN S	42.60	8.70	120.20	EE	45°				
		201/80240	EX	VL.120-095-25 EX XB	35.60	8.70	120.20	EE	45°				
Eng. HR2, HRW2, HRWS	107.95	351K50420	IN	VL.120-107-95 IN SCR	48.00	9.50	137.50	EE	45°				
		35150432	EX	VL.120-107-95 EX RCR	40.00	9.50	137.50	EE	45°				
Eng. JP	114.30	8-1C8A	IN	VL.120-114-30 IN N	43.00	11.00	166.50	M	45°				
		8-1C121	EX	VL.120-114-30 EX S	37.50	11.00	166.00	M	45°				

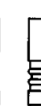
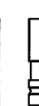
VALVES										VALVE GUIDES							
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.							
					D	d	L				L	d	D				
Eng. D0226, D0824	102.00	51041010425	IN	VL.140-102-00 IN SCR	49.00	10.00	136.60	E	30°	VG.140-102-00 IN	60.00	10.00	16.04				
	108.00	51041010410	EX	VL.140-102-00 EX BMCR	42.00	10.00	136.30	E	45°		VG.140-102-00 EX	55.00	10.00	16.04			
Eng. D0836	108.00	51041010328	IN	VL.140-108-00 IN XBCR	52.00	11.00	155.00	E	45°								
		51041010423	EX	VL.140-108-00 EX BMCR	43.00	11.00	155.50	E	45°								
Eng. D2066 TGA Series	120.00	51041010574	IN	VL.140-120-00 IN BMCR	40.00	9.00	160.40	I	30°								
		51041010546	EX	VL.140-120-00 EX BMCR	38.00	9.00	160.40	I	45°								
Eng. D2146 MT Turbo	121.00	51041010305	IN	VL.140-121-00 IN SCR	55.90	12.00	148.90	E	45°	VG.140-121-00 IN/EX	66.60	9.00	15.05				
Eng. D2156 MT Turbo		51041010379	IN	VL.141-121-00 IN BMCR	55.90	12.00	148.90	E	30°								
		51041010373	EX	VL.140-121-00 EX BMCR	48.90	12.00	148.50	E	45°								
Eng. D2555 HM	123.00	51041010349	IN	VL.140-123-00 IN BMCR	56.90	12.00	148.90	E	45°								
		51041010364	EX	VL.140-123-00 EX BMCR	51.90	12.00	148.50	E	45°								
Eng. D2555 M-MF-MX	125.00	51041010332	IN	VL.140-125-00 IN XBCR	58.00	12.00	142.50	E	45°	VG.140-125-00 IN/EX	64.00	12.00	18.04				
Eng. D2565 HM-M-ME		51041010447	EX	VL.140-125-00 EX BMCR	51.00	12.00	142.50	E	45°					VG.141-125-00 IN/EX	64.00	12.00	18.09
Eng. D2566, D2538																	
A B C D E EE F G H I Y K L M N O P Q R S																	

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. D2565, D2555	125.00	51041010405	IN	VL.141-125-00 IN SCR	57.00	12.00	142.50	E	45°	VG.140-125-00 IN/EX	64.00	12.00	18.04
Eng. D2866, D2840	128.00	51041010478	IN	VL.142-125-00 IN BMCR	58.00	12.00	142.50	E	30°	VG.141-125-00 IN/EX	64.00	12.00	18.09
Eng. D2876, D2842 LFX		51041010447	EX	VL.140-125-00 EX BMCR	51.00	12.00	142.50	E	45°				
Eng. E2866, D2566	128.00	51041010438	IN	VL.140-128-00 IN BMCR	58.00	12.00	142.50		30°	VG.140-128-00 IN	59.50	12.00	18.00
		51041010439	EX	VL.140-128-00 EX BMCR	51.00	12.00	142.50		30°	VG.141-128-00 EX	56.00	12.00	18.00
Eng. D2866	128.00	51041010547	IN	VL.141-128-00 IN BMCR	46.00	9.00	153.60	I	30°	VG.140-121-00 IN/EX	66.60	9.00	15.05
		51041010548	EX	VL.141-128-00 EX BMCR	46.00	9.00	153.60	I	45°				
		51041010482	IN	VL.142-128-00 IN BMCR	46.00	9.00	153.70	E	30°				
		51041010483	EX	VL.142-128-00 EX BMCR	46.00	9.00	153.70	E	45°				
Eng. D2876 LF12 4V	128.00	51041010523	IN	VL.143-128-00 IN BMCR	44.00	9.00	153.60	I	30°	VG.140-121-00 IN/EX	66.60	9.00	15.05
		51041010524	EX	VL.143-128-00 EX BMCR	41.00	9.00	153.60	I	45°				

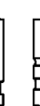




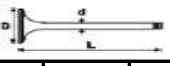
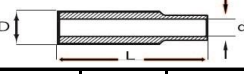


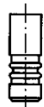
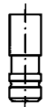
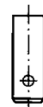
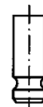


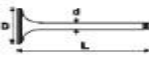
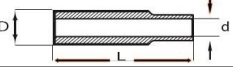


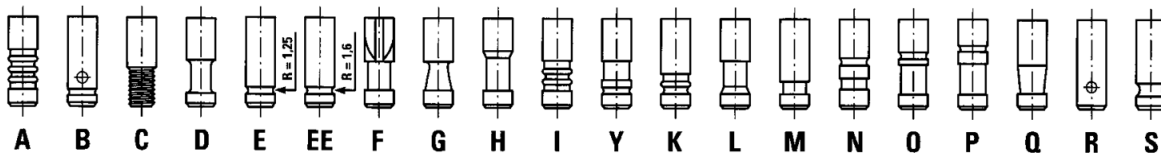



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VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. OM314, 352	97.00	3520530101	IN	VL.030-097-00 IN SCR	44.00	9.00	140.50	M	45°	VG.030-097-00 IN	78.00	9.00	15.05
Eng. OM314T, PM352T	97.50	3210530705	EX	VL.030-097-00 EX SCR	36.00	9.00	140.50	M	45°	VG.031-097-00 IN	72.00	9.00	15.05
Eng. OM362 LA, OM364		3520531505	EX	VL.031-097-00 EX RCR	36.00	10.00	140.50	M	45°	VG.030-097-00 EX	78.00	10.00	15.05
Eng. OM364A		3660500027								VG.031-097-00 EX	67.00	10.00	15.05
Eng. OM366, OM366A		3660500227											
		3660500027											
		3660500226	IN	VL.031-097-00 IN SCR	43.00	9.00	140.50	M	30°				
		3660500326	IN	VL.032-097-00 IN SCR	42.00	9.00	140.50	M	30°				
Eng. OM904 LA12V	102.00	9060500226	IN	VL.030-102-00 IN BMCR	34.00	8.00	125.90	M	20°	VG.030-102-00 IN/EX	60.00	8.00	13.03
Eng. OM907 12V	106.00	9060500327	EX	VL.030-102-00 EX BMCR	37.90	8.00	152.50	M	45°	VG.031-102-00 IN/EX	60.00	8.00	13.08
Eng. OM906 18V		9060500326	IN	VL.031-102-00 IN BMCR	34.00	8.00	128.70	M	20°	VG.032-102-00 IN/EX	60.00	8.00	14.05
Eng. OM327	115.00	3270530701	IN	VL.030-115-00 IN SCR	54.00	10.00	150.00	M	45°	VG.030-115-00 IN	85.00	10.00	16.04
Eng. OM360		3600500326								VG.031-115-00 EX	85.00	10.00	16.04
Eng. OM360H		3270530705	EX	VL.030-115-00 EX RCR	43.00	10.00	150.00	M	45°	VG.032-115-00 EX	77.00	10.00	16.04
Eng. OM360 Turbo		3600500127											
		3600500126	IN	VL.031-115-00 IN BMCR	54.00	10.00	150.00	M	30°				
		3600500127	EX	VL.031-115-00 EX BMCR	43.00	10.00	150.00	M	45°				

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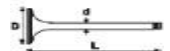
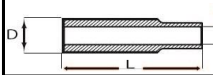
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. OM400 Series	125.00	4230500026	IN	VL.030-125-00 IN SCR	59.00	12.00	142.50	M	30°	VG.030-125-00 IN/EX	67.00	12.00	18.05
Eng. OM420 Series	128.00	4230500427	EX	VL.030-125-00 EX MBCR	51.00	12.00	142.50	M	45°	VG.031-125-00 IN/EX	67.00	12.00	18.10
	130.00	4420500326	IN	VL.031-125-00 IN BMCR	58.90	12.00	142.50	M	30°				
		4420500526											
		4220500027	EX	VL.031-125-00 EX BMCR	51.00	12.00	142.50	M	45°				
		4420500427	EX	VL.032-125-00 EX BMCR	51.00	12.00	142.50	M	45°				
		4230500327	EX	VL.033-125-00 EX BMCR	51.00	12.00	142.50	M	45°				
		4220500127											
		4220500227											
Eng. OM355	128.00	3460530001	IN	VL.030-128-00 IN RCR	42.00	9.00	129.80	M	45°	VG.030-128-00 IN	67.50	9.00	15.04
Eng. OM355 H		3460530101								VG.030-128-00 EX	86.50	9.00	15.04
		3460530005	EX	VL.030-128-00 EX RCR	37.00	9.00	165.20	M	45°				
		3460530105											
		3550500127											
Eng. OM355S Turbo	128.00	3550530001	IN	VL.031-128-00 IN RCR	42.00	9.00	130.60	M	30°	VG.030-128-00 IN	67.50	9.00	15.04
		3550530005	EX	VL.031-128-00 EX RCR	37.00	9.00	165.90	M	30°	VG.030-128-00 EX	86.50	9.00	15.04
Eng. OM501 LAV6 24V	130.00	5410500226	IN	VL.030-130-00 IN BMCR	45.50	9.00	145.00	M	30°	VG.030-130-00 IN/EX	61.00	9.00	15.03
Eng. OM541.920-927		5410500227	EX	VL.030-130-00 EX BMCR	41.00	9.00	145.00	M	45°	VG.031-130-00 IN/EX	61.00	9.00	15.08
Eng. OM502 LAV8 32V													
Eng. OM542 LA 32V													
ACTROS													

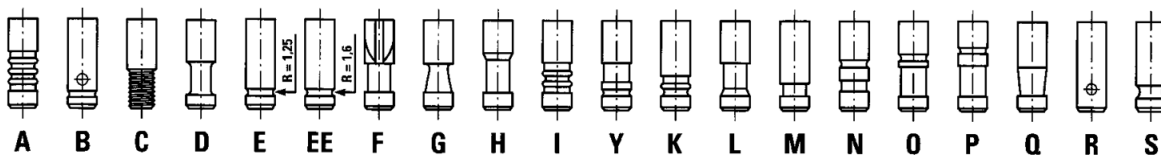


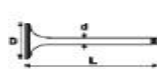
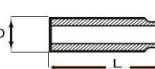
VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.	L	d	D
					D	d	L						
Eng. KD12E, 12Z	95.00	632134600014	IN	VL.400-095-00 IN SCR	41.00	10.00	129.00	H	45°	VG.401-095-00 IN/EX	58.00	9.00	15.05
Eng. KD12D, 12V		632134600024	EX	VL.400-095-00 EX SCR	37.00	10.00	129.00	H	45°				
Eng. D208Z - D308Z	95.00	630804600014	IN	VL.401-095-00 IN SCR	38.00	9.00	117.00	I	45°				
Eng. D225 - D325		620704603014	EX	VL.401-095-00 EX SCR	35.00	9.00	117.00	I	45°				
Eng. AKD 12/112E	98.00	632134600014	IN	VL.400-098-00 IN SCR	41.00	10.00	128.00	H	45°	VG.401-095-00 IN/EX	58.00	9.00	15.05
Eng. 322 Z		632134600024	EX	VL.400-098-00 EX SCR	37.00	10.00	129.00	H	45°				
Eng. D327, D227	100.00	622604600054	IN	VL.400-100-00 IN SCR	41.00	9.00	117.00	I	45°				
Enf. D226	105.00	630804600024	EX	VL.400-100-00 EX RCR	38.00	9.00	117.00	I	45°				
Eng. TD226/4 Turbo	105.00	622804603014	IN	VL.400-105-00 IN SCR	42.00	9.00	117.00	I	30°	VG.401-095-00 IN/EX	58.00	9.00	15.05
Eng. TD226/6 Turbo		622604603024	EX	VL.400-105-00 EX RCR	38.00	9.00	117.00	I	45°				
Eng. TBD 234 Turbo	128.00	623404600064	IN	VL.400-128-00 IN BMCR	58.00	10.00	163.00	E	30°	VG.401-095-00 IN/EX	58.00	9.00	15.05
		623404600054	EX	VL.400-128-00 EX BMCR	53.00	10.00	163.00	E	45°				

VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 4.99	76.20	910064	IN	VL.050-076-20 IN N	36.00	7.90	117.00	EE	45°	VG.050-076-20 IN/EX	62.00	8.00	12.74
Eng. 4.108		31431661	EX	VL.050-076-20 EX S	30.00	7.90	117.00	EE	45°	VG.051-076-20 IN/EX	62.00	8.00	12.79
Eng. 4.107		910061								VG.052-076-20 IN/EX	62.00	8.00	12.84
		31431861											
Eng. Prima 65	84.40	BDU1399	IN	VL.050-084-40 IN SNT	37.20	7.42	93.80	EE	45°	VG.050-084-40 IN/EX	39.00	7.46	12.06
Eng. Prima 80T		BDU1400	EX	VL.050-084-40 EX RNT	33.60	7.40	93.80	EE	45°				
Eng. 3.152 S	91.48	31431681	IN	VL.050-091-48 IN N	39.00	7.90	114.50	EE	35°	VG.050-091-48 IN/EX	66.00	7.95	12.74
		31431011	EX	VL.050-091-48 EX R	33.50	7.90	114.50	EE	35°	VG.051-091-48 IN/EX	66.00	7.95	12.79
		3142A081							VG.052-091-48 IN/EX	66.00	7.95	12.84	
		31431761											
Eng. 3.152 T	91.48	31431981	IN	VL.051-091-48 IN SCR	39.00	7.90	114.50	EE	35°	VG.050-091-48 IN/EX	66.00	7.95	12.74
		31431031	EX	VL.051-091-48 EX RCR	33.50	7.90	114.50	EE	35°	VG.051-091-48 IN/EX	66.00	7.95	12.79
										VG.052-091-48 IN/EX	66.00	7.95	12.84

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Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. P3, P4, P6	88.90	31431261	IN	VL.050-091-49 IN N	39.00	7.90	114.50	EE	45°	VG.050-091-48 IN/EX	66.00	7.95	12.74
Eng. 3.152, 4.203, 6.305	91.49	910002	EX	VL.050-091-49 EX S	33.50	7.90	114.50	EE	45°	VG.051-091-48 IN/EX	66.00	7.95	12.79
		31431951								VG.052-091-48 IN/EX	66.00	7.95	12.84
Eng. D3.152, D4.203	91.49	31431281	IN	VL.051-091-49 IN N	39.00	7.90	114.50	EE	45°	VG.050-091-49 IN/EX	62.00	8.00	12.74
		31431591	EX	VL.051-091-49 EX S	33.50	7.90	114.50	EE	45°	VG.051-091-49 IN/EX	62.00	8.00	12.79
		31431271								VG.052-091-49 IN/EX	62.00	8.00	12.84
Eng. 4.165	92.00	31431491	IN	VL.050-092-00 IN S	40.50	7.90	114.50	EE	45°	VG.050-092-00 IN/EX	54.00	8.00	12.74
		3142H001								VG.051-092-00 IN/EX	54.00	8.00	12.79
		3142A031	EX	VL.050-092-00 EX RCR	35.50	7.90	114.50	EE	45°	VG.052-092-00 IN/EX	54.00	8.00	12.84
Eng. 4.236, 4.212, 6.354	98.48	31431641	IN	VL.050-098-48 IN NCR	44.50	9.48	123.00	EE	45°	VG.050-098-48 IN	58.00	9.53	15.92
Eng. T6.354, T6.354.1		31431109	EX	VL.050-098-48 EX RCR	36.50	9.47	123.50	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
Eng. T6.354.2, 4.248										VG.050-098-48 EX	61.00	9.53	15.92
Eng. 6.372										VG.051-098-48 EX	61.00	9.53	15.97
Eng. T6.354.3, T6.354.4	98.48	31431641	IN	VL.050-098-48 IN NCR	44.50	9.48	123.00	EE	45°	VG.050-098-48 IN	58.00	9.53	15.92
Eng. 6.372.4	101.05	3142A051	EX	VL.051-098-48 EX RCR	37.40	9.50	123.30	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97
										VG.051-098-48 EX	61.00	9.53	15.97
Eng. T4.236	98.48	3142H002	IN	VL.051-098-48 IN NCR	44.00	9.50	123.00	EE	30°	VG.050-098-48 IN	58.00	9.53	15.92
		3142A052	EX	VL.052-098-48 EX RCR	36.50	9.50	123.50	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97



Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 6.354.4	98.48	31431315	IN	VL.052-098-48 IN SCR	44.50	9.48	123.00	EE	45°	VG.050-098-48 IN	58.00	9.53	15.92
Eng. 6.354 Turbo		3142A052	EX	VL.052-098-48 EX RCR	36.50	9.50	123.50	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97
Eng. T6.60	100.00	3142D041	IN	VL.050-100-00 IN RCR	43.00	9.00	123.00	EE	45°	VG.050-100-00 IN	51.20	9.00	13.05
		3142D031	EX	VL.050-100-00 EX RCR	41.00	9.00	123.00	EE	45°	VG.050-100-00 EX	51.20	9.00	14.05
		3142H041	IN	VL.051-100-00 IN RCR	45.00	9.00	124.10	EE	45°				
		3142D061	EX	VL.051-100-00 EX RCR	42.00	9.00	124.10	EE	45°				
Eng. T4.40, T6.60 Phaser	100.00	3142I051	IN	VL.052-100-00 IN RCR	45.00	9.50	123.00	EE	45°	VG.050-098-48 IN	58.00	9.53	15.92
		3142A051	EX	VL.051-098-48 EX RCR	37.40	9.50	123.30	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97
Eng. 4.40, 6.60 Series 1000	100.00	3142L051	IN	VL.053-100-00 IN SCR	45.00	9.50	122.90	EE	45°	VG.050-098-48 IN	58.00	9.53	15.92
		3142A051	EX	VL.051-098-48 EX RCR	37.40	9.50	123.30	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97
Eng. T4.40 - T6.60 Series 1000	100.00	3142L072	IN	VL.054-100-00 IN RCR	45.00	9.50	123.20	EE	30°	VG.050-098-48 IN	58.00	9.53	15.92
		3142A051	EX	VL.051-098-48 EX RCR	37.40	9.50	123.30	EE	45°	VG.051-098-48 IN	58.00	9.53	15.97
										VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97



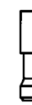


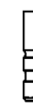
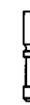


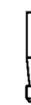






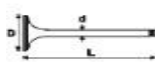
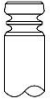
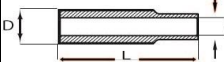
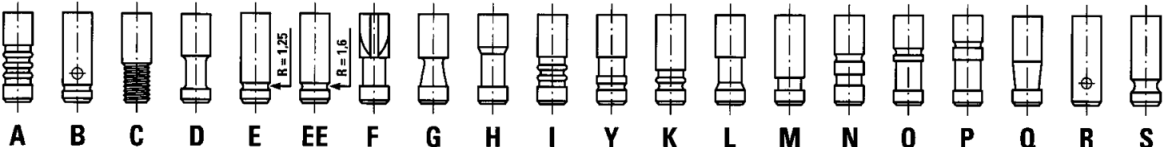




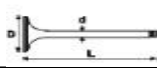
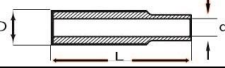


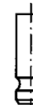
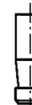
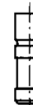
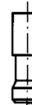
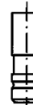
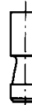
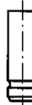
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Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 6.372 Turbo	101.05	31431315	IN	VL.050-101-05 IN SCR	44.50	9.48	123.00	EE	30°	VG.050-098-48 IN	58.00	9.53	15.92
		31431311								VG.051-098-48 IN	58.00	9.53	15.97
		31431961	EX	VL.050-101-05 EX RCR				EE	45°	VG.050-098-48 EX	61.00	9.53	15.92
										VG.051-098-48 EX	61.00	9.53	15.97
Eng. V8.510	107.95	31431822	IN	VL.050-107-95 IN RCR	45.50	9.50	139.50	EE	45°	VG.050-107-95 IN/EX	66.00	9.53	15.92
Eng. V8.540		31431385	EX	VL.050-107-95 EX RCR	39.00	9.50	139.50	EE	45°	VG.051-107-95 IN/EX	66.00	9.53	15.97
													

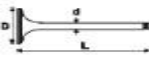
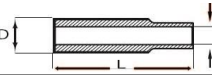
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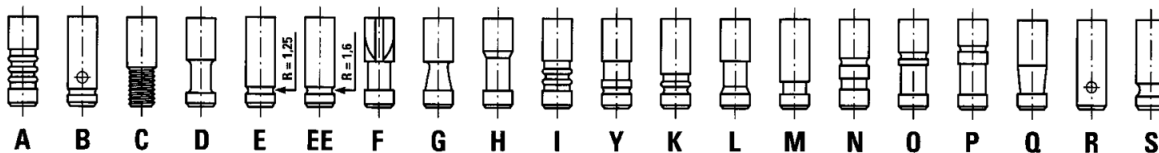
VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 8140.21	93.00	7301820	IN	VL.440-093-00 IN RNT	41.00	8.00	120.70	EE	30°	VG.440-093-00 IN/EX	56.00	8.03	13.03
		4826033	EX	VL.440-093-00 EX RCR	34.50	8.00	122.00	EE	45°	VG.441-093-00 IN/EX	56.00	8.03	13.08
Eng. 8140.43	94.40	7701030863	IN	VL.440-094-40 IN BMCR	43.50	8.00	122.00	EE	45°	VG.440-093-00 IN/EX	56.00	8.03	13.03
		7701463603								VG.441-093-00 IN/EX	56.00	8.03	13.08
		5001836573	EX	VL.440-094-40 EX BMCR	36.00	8.00	122.00	EE	45°				
Eng. 712	98.00	5000044579	IN	VL.440-098-00 IN RCR	46.00	10.00	140.20	E	45°				
Eng. 720	102.00	5000044429											
		5000044581	EX	VL.440-098-00 EX RCR	39.00	10.00	140.30	E	45°				
Eng. 798 Turbo	102.00	5000676255	IN	VL.440-102-00 IN BMCR	45.80	10.00	140.20	E	30°				
Eng. MIDR 602.12		5000676254	EX	VL.440-102-00 EX BMCR	38.90	10.00	140.20	E	45°				
Eng. MIDR 602.26 T.	102.00	500066762	IN	VL.441-102-00 IN BMCR	46.60	10.00	140.20	E	30°	VG.441-102-00 IN	78.00	10.02	16.02
		5000676258	EX	VL.441-102-00 EX BMCR	40.60	10.00	140.20	E	45°	VG.441-102-00 EX	67.00	10.02	16.02

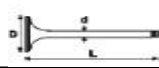
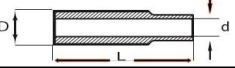
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. MIDR 04.02.26.A4	102.00	5000676035	IN	VL.442-102-00 IN BMCR	46.60	10.00	140.10	E	30°	VG.441-102-00 IN VG.441-102-00 EX	78.00	10.02	16.02
Eng. MIDR 04.02.26.B4		5010450589									67.00	10.02	16.02
Eng. MIDR 06.02.26.Y41		5000667939	EX	VL.442-102-00 EX BMCR	40.60	10.00	140.20	E	45°				
Eng. MIDR 06.02.26.W4		5010450590											
Eng. M420	120.00	322894	IN	VL.440-120-00 IN S	54.50	12.00	189.50	E	45°				
Eng. M520		151631											
Eng. M620		5000143582											
		322827	EX	VL.440-120-00 EX BMCR	50.50	12.00	189.50	E	45°				
		151633											
		5000139451											
		322895	IN	VL.441-120-00 IN S	54.50	12.00	189.50	E	45°				
		151632											
	5000143583												
	322828	EX	VL.441-120-00 EX BMCR	50.50	12.00	189.50	E	45°					
	151634												
	5000139452												
Eng. MID 620.30	120.00	153694	IN	VL.442-120-00 IN SCR	54.00	9.00	163.00	E	45°	VG.442-120-00 IN/EX VG.443-120-00 IN/EX	78.00	9.04	17.03
		153692	EX	VL.442-120-00 EX BMCR	48.00	9.00	163.00	E	45°		78.00	9.04	17.08
		5000663469											
		771090	IN	VL-443-120-00 IN SCR	54.00	9.00	163.00	E	45°				
		771092	EX	VL-443-120-00 EX BMCR	48.00	9.00	163.00	E	45°				
	5000663470												

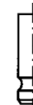
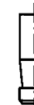
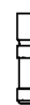
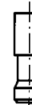
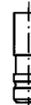
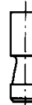


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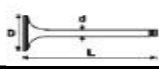
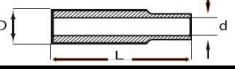
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. MIDS 620.30 Turbo	120.00	771523	IN	VL-444-120-00 IN BMCR	54.00	9.00	163.00	E	30°	VG.442-120-00 IN/EX VG.443-120-00 IN/EX	78.00	9.04	17.03
Eng. MIDR 620.45 Turbo		5000663467									78.00	9.04	17.08
Eng. MIDR 06.20.45.D41		5000681141											
Eng. MIDR 06.20.45.C4		153692	EX	VL.442-120-00 EX BMCR	48.00	9.00	163.00	E	45°				
Eng. MIDR 06.23.56.A41	123.00	5000663469											
Eng. MIDR 06.23.56.B41		5000670121											
		5000670206											
		5000658409	IN	VL.445-120-00 IN BMCR	54.00	9.00	163.00	E	30°				
		5000663530											
		771092	EX	VL-443-120-00 EX BMCR	48.00	9.00	163.00	E	45°				
		5000663470											
		5000663528											
Eng. D 2356 HM 6DK	123.00	5000046569	IN	VL.440-123-00 IN BMCR	56.90	12.00	148.90	E	45°				
		5000046570	EX	VL.440-123-00 EX BMCR	51.90	12.00	148.50	E	45°				
Eng. 125.3D	125.00	158601	IN	VL.440-125-00 IN BMCR	45.00	9.00	153.00	E	45°	VG.442-120-00 IN/EX VG.443-120-00 IN/EX	78.00	9.04	17.03
		323571									78.00	9.04	17.08
		323644	EX	VL.440-125-00 EX RCR	39.00	9.00	153.00	E	45°				
		5000659734											
		158602	IN	VL.441-125-00 IN BMCR	45.00	9.00	153.00	E	45°				
		5000659735	EX	VL.441-125-00 EX RCR	39.00	9.00	153.00	E	45°				



Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. MID 634.40	135.00	323107	IN	VL.440-135-00 IN BMCR	60.00	12.00	189.00	E	45°	VG.440-135-00 IN/EX	105.00	12.03	20.04
		5000659016											
		5000146780											
		323109	EX	VL.440-135-00 EX BMCR	54.00	12.00	189.00	E	45°				
		5000659407											
		5000659741											
		5000146781	IN	VL.441-135-00 IN BMCR	60.00	12.00	189.00	E	45°				
		323108											
		5000146783	EX	VL.441-135-00 EX BMCR	54.00	12.00	189.00	E	45°				
323110													
Eng. MDR 635.40 Turbo	135.00	5000659584	IN	VL.442-135-00 IN BMCR	60.00	12.00	189.00	E	30°	VG.440-135-00 IN/EX	105.00	12.03	20.04
Eng. MIDR 635.40 Turbo		5000659739											
Eng. MIDS 635.40 Turbo		5000659284											
5000659741		EX	VL.442-135-00 EX BMCR	54.00	12.00	189.00	E	45°					
5000659407													
5000678129		IN	VL.443-135-00 IN BMCR	60.00	12.00	189.00	E	30°					
5000146783		EX	VL.441-135-00 EX BMCR	54.00	12.00	189.00	E	45°					
323110													
Eng. MIVR 835.30 Turbo		135.00	5000659737	IN	VL.444-135-00 IN RCR	48.00	9.00	153.00	E				
5000659626													
323644	EX		VL.444-135-00 EX RCR	39.00	9.00	153.00	E	45°					
5000659734													
5000659732													

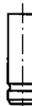


A B C D E EE F G H I Y K L M N O P Q R S

Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. MIDR 634.40 H/2	135.00	5000678873	IN	VL.445-135-00 IN BMCR	60.00	12.00	204.40	E	30°	VG.440-135-00 IN/EX	105.00	12.03	20.04
Eng. MIDR 634.40 J1/J3		5000678652	EX	VL.445-135-00 EX BMCR	52.00	12.00	205.10	E	45°				
Mack Engine	136.50	50000824990	IN	VL.440-136-50 IN BMCR	45.00	9.40	173.90	M	20°				
AE 500 - 520		50000824991	EX	VL.440-136-50 EX BMCR	42.00	9.40	173.00	M	30°				

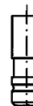


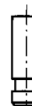


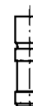
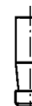


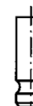


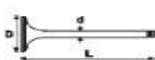






Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. DS10 Turbo	127.00	272804	IN	VL.012-127-00 IN SCR	54.00	11.00	162.50	S	30°	VG.010-115-00 IN	80.00	11.00	18.02
Eng. DS11 Turbo		1361190	EX	VL.010-127-00 EX RCR	45.00	11.00	162.50	S	45°	VG.010-115-00 EX	73.00	11.00	18.02
		232018											
		1360834											
Eng. DS11 Turbo	127.00	294674	IN	VL.013-127-00 IN RCR	54.00	11.00	162.50	S	20°	VG.010-115-00 IN	80.00	11.00	18.02
		232018	EX	VL.010-127-00 EX RCR	45.00	11.00	162.50	S	45°	VG.010-115-00 EX	73.00	11.00	18.02
		232018											
		1360834											
Eng. DS11 Turbo	127.00	270247	IN	VL.014-127-00 IN RCR	54.00	11.00	162.50	S	30°	VG.010-115-00 IN	80.00	11.00	18.02
Eng. DS14 Turbo		1361192	EX	VL.010-127-00 EX RCR	45.00	11.00	162.50	S	45°	VG.010-115-00 EX	73.00	11.00	18.02
		232018											
		1360834											
Eng. DS11 Turbo	127.00	324675	IN	VL.015-127-00 IN RCR	54.00	11.00	162.50	S	20°	VG.010-115-00 IN	80.00	11.00	18.02
Eng. DS14 Turbo		1361191	EX	VL.010-127-00 EX RCR	45.00	11.00	162.50	S	45°	VG.010-115-00 EX	73.00	11.00	18.02
		232018											
		1360834											
End DSC/ DSCI 12 Turbo	127.00	1333230	IN	VL.016-127-00 IN BMCR	44.00	10.00	171.50	S	20°	VG.016-127-00 IN/EX	73.00	10.00	16.01
Eng. DT12 24 V Turbo		1477022	EX	VL.016-127-00 EX BMCR	41.00	10.00	171.50	S	45°				
Eng. DC163 24V Turbo		1328537 1445830											

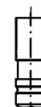
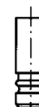
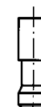
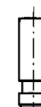
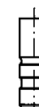


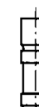
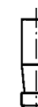


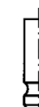






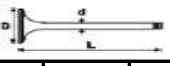
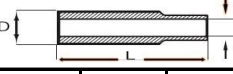






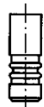
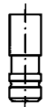
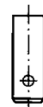
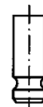



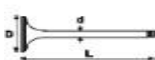


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VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. WD 614 Turbo	120.00	61460050007	IN	VL.460-120-00 IN BMCR	50.90	12.00	158.40	EE	35°				
		61560050006	EX	VL.460-120-00 EX MBCR	48.90	12.00	158.40	EE	45°				
Eng. WD615.68 Turbo	126.00	61560050022	IN	VL.461-126-00 IN BMCR	50.90	11.00	159.40	EE	35°				
Eng. WD815.66 Turbo		61560050027	EX	VL.461-126-00 IN BMCR	48.90	11.00	158.40	EE	45°				
A B C D E EE F G H I Y K L M N O P Q R S													

VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. D60, TD60 Turbo	98.42	420553-0	IN	VL.020-098-42 IN SCR	41.00	8.00	145.30	N	30°	VG.020-098-48 IN/EX	64.50	8.00	16.03
Eng. TD61 F/G Turbo		3825723											
Eng. TD63 E/ES Turbo		465549-4	EX	VL.020-098-42 EX RCR	37.00	8.00	145.30	N	45°				
Eng. D6B 180/220/250		8192143											
Eng. D70 A/B/C	104.78	421016-7	IN	VL.020-104-78 IN SCR	43.00	11.00	148.50	K	30°	VG.020-104-78 IN/EX	66.00	11.02	17.99
Turbo		421017-5	EX	VL.020-104-78 EX RCR	37.00	11.00	148.50	K	45°				
		421208-0											
Eng. TD70 E/F/G	104.78	466379-5	IN	VL.021-104-78 IN SCR	43.00	11.00	148.50	EE	30°	VG.021-104-78 IN/EX VG.022-104.78 IN/EX	66.00	11.04	17.99 18.04
Eng. TD70 Turbo		471195-8	EX	VL.021-104-78 EX RCR	37.00	11.00	148.50	EE	45°				
Eng. TD71 F/FD/FQ		471196	EX	VL.022-104-78 EX RCR	37.00	11.00	148.50	EE	45°				
Eng. TD71 Turbo		466381											
Eng. TD73 E/ES	104.80	477447	IN	VL.020-104-80 IN SCR	43.00	8.00	149.60	K	30°	VG.020-104-80 IN/EX	64.50	8.00	16.03
		477443	EX	VL.020-104-80 EX BMCR	39.00	8.00	149.50	K	45°				
		3978768	IN	VL.021-104-80 IN SCR	43.00	8.00	149.70	EE	30°				
		3978766	EX	VL.021-104-80 EX BMCR	39.00	8.00	149.70	EE	45°				

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Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. D9A	120.00	20450002	IN	VL.020-120-00 IN SCR	38.00	8.00	191.70	EE	30°	VG.020-120-00 IN/EX	83.40	8.00	15.00
		8148069	EX	VL.020-120-00 EX BMCR	38.00	8.00	191.50	EE	30°	VG.021-120-00 IN/EX	83.40	8.00	15.04
Eng. D100	120.65	422016-6	IN	VL.020-120-65 IN SCR	50.00	11.00	167.00	K	30°	VG.020-120-65 IN	82.00	11.02	17.99
		422017-4	EX	VL.020-120-65 EX RCR	46.00	11.00	167.00	K	45°	VG.020-120-65 EX	66.00	11.02	17.99
										VG.021-120-65 EX	66.00	11.04	18.04
Eng. TD100 A/B/F/G	120.65	467502-1	IN	VL.021-120-65 IN SCR	50.00	11.00	167.00	EE	30°	VG.020-120-65 IN	82.00	11.02	17.99
Eng. TD101 F/G/GA		1545290								VG.020-120-65 EX	66.00	11.02	17.99
Eng. TD101 FA/FC		479204								VG.021-120-65 EX	66.00	11.04	18.04
Eng. THD102, TD103		467857	EX	VL.021-120-65 EX RCR	46.00	11.00	167.00	EE	45°				
		467855-3	EX	VL.022-120-65 EX RCR	46.00	11.00	167.00	EE	45°				
		467503											
		467682											
Eng. D120	130.18	423016-5	IN	VL.020-130-18 IN SCR	54.00	11.00	167.00	K	30°	VG.020-120-65 IN	82.00	11.02	17.99
		423017-3	EX	VL.020-130-18 EX RCR	50.00	11.00	167.00	K	45°	VG.020-120-65 EX	66.00	11.02	17.99
										VG.021-120-65 EX	66.00	11.04	18.04
Eng. TD120 - TD121	130.18	468302-5	IN	VL.021-130-18 IN SCR	54.00	11.00	167.00	EE	30°	VG.020-120-65 IN	82.00	11.02	17.99
Eng. TD122		468303-3	EX	VL.021-130-18 EX RCR	50.00	11.00	167.00	EE	45°	VG.020-120-65 EX	66.00	11.02	17.99
										VG.021-120-65 EX	66.00	11.04	18.04
Eng. D12A 24V Turbo	131.00	1547492	IN	VL.020-131-00 IN BMCR	40.00	8.00	192.00	K	30°	VG.020-131-00 IN/EX	83.40	8.00	15.00
		8148574	EX	VL.020-131-00 EX BMCR	40.00	8.00	191.70	EE	45°	VG.021-131-00 IN/EX	83.40	8.00	15.04













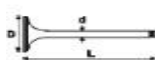
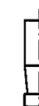
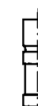
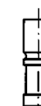
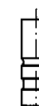
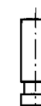
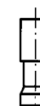
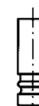
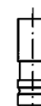
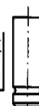
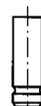
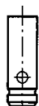









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Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. D12D - D12C	131.00	20459326	IN	VL.021-131-00 IN SCR	40.00	8.00	192.00	EE	30°	VG.020-131-00 IN/EX	83.40	8.00	15.00
		20441945	EX	VL.021-131-00 EX BMCR	40.00	8.00	191.70	EE	45°	VG.021-131-00 IN/EX	83.40	8.00	15.04
Eng. D13A	131.00	20740798	IN	VL.022-131-00 IN SCR	42.00	8.00	192.00	I	30°	VG.020-131-00 IN/EX	83.40	8.00	15.00
		20768519	EX	VL.022-131-00 EX BMCR	40.00	8.00	191.60	I	45°	VG.021-131-00 IN/EX	83.40	8.00	15.04
Eng. TD162 F	144.00	1556472	IN	VL.020-144-00 IN SCR	47.00	9.50	176.80	EE	30°	VG.020-144-00 IN	82.00	9.53	16.00
Eng. D16 A 4V		1543026	EX	VL.020-144-00 EX BMCR	45.00	9.50	176.90	EE	45°	VG.021-144-00 IN	82.00	9.53	16.05
Eng. TD163 ES		1556473								VG.020-144-00 EX	71.00	9.53	16.00
		1543027								VG.021-144-00 EX	71.00	9.53	16.05
		863702											
	1556896												
 A B C D E EE F G H I Y K L M N O P Q R S													

VALVES										VALVE GUIDES			
Engine Type		O.E.M	IN/EX	AVMA REF.						AVMA REF.			
					D	d	L				L	d	D
Eng. 2001, 3001	95.00	950505	IN	VL.510-095-00 IN S	39.00	8.00	129.00	Q	45°	VG.510-095-00 IN	70.00	8.00	15.04
Eng. 5711		950506	EX	VL.510-095-00 EX S	33.00	10.00	127.50	D	45°	VG.510-095-00 EX	64.00	10.00	15.04
Eng. 8001	110.00	480005014	IN	VL.510-110-00 IN R	49.00	10.00	139.00	E	45°	VG.510-110-00 IN/EX	68.50	10.00	16.04
Eng. 8601		480005015	EX	VL.510-110-00 EX R	41.50	10.00	139.00	E	45°				
		69010554	IN	VL.511-110-00 IN S	44.00	10.00	129.50	E	45°				
		69010555	EX	VL.511-110-00 EX S	36.50	10.00	129.50	E	45°				

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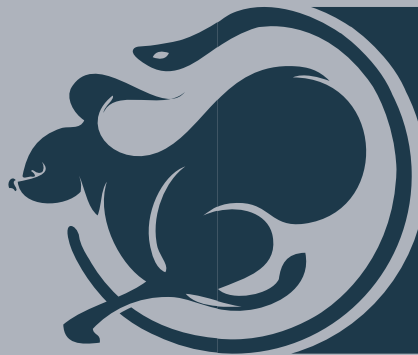
In your own interests please note that the installation of unsuitable spare parts can cause engine damage for which you as the repairers are liable to your customers.

notes

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