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SI Industries, Inc.

Simi Valley, CA 93063
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sivalves@sivalves.com



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SI VALVES STANDS READY TO SERVE YOU!

As a reflection of the company's steady growth over the years, SI Industries occupies a facility in the Los Angeles suburb of Simi Valley, California. This location houses sales, warehousing & manufacturing operations needed to accommodate the firm's sales, which has grown to over 1,000,000 valves annually. It's the company's third location since its founding in 1982.

According to company president, "We've seen the complexion of the industry change over the years to where it's now essential to have a broad-based inventory and the ability to produce custom valves in special runs to meet niche market demands. SI currently inventories over 6000 part numbers, of which some 4000 are valves. This facility has allowed

us to increase inventory levels and provides us with room for expansion. We stand ready to provide the highest levels of service to our customers."

SI's product line includes both stainless steel and titanium valves, guides, seats, retainers, keepers, seals, valve springs and cups. The company's customer base includes both high performance and production engine rebuilders, as well as race teams.

The location of SI Industries, Inc. is Simi Valley, CA 93063. The company's toll-free number (order line) is 800-564-8258 and the fax line is 805-582-0645. Additional information can be obtained on the company's website: www.sivalves.com.

E-Mail: sivalves@sivalves.com

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SE HABLA ESPANOL



NEW FROM



← .030 OVERSIZED HEAD →

SEAT SAVER® VALVES

*SI is proud to introduce our newest series of valves. Seat Savers® will save you time and money by allowing you to save work on seats by offering economically priced replacement valves in .030 oversized heads. All other specs on the valves are stock. This will allow you to still use the valve guide of your choice. They are available for the following popular applications. * Try them out.*

- Saves time
- Saves money
- Improves cylinder head quality
- Improves performance
- Keeps your shop competitive
- Sell more valves
- Inquire about new applications available

PART NUMBER	APPLICATION	HEAD SIZE	TYPE
E-2090-30	Small Block Chevy	1.530	Exhaust
I-2552-30	Small Block Chevy	1.970	Intake
I-2867-30	Big Block Chevy	2.100	Intake
E-2550-30	Big Block Chevy	1.755	Exhaust
I-2985-30	302/351W Ford	1.810	Intake
E-2695-30	302/351W Ford	1.500	Exhaust
I-2348-30	360/390 Ford	2.070	Intake
E-2529-30	360/390 Ford	1.586	Exhaust
E-2900-30	460 Ford	1.686	Exhaust
I-2901-30	460 Ford	2.110	Intake
E-2984-30	351W Ford	1.500	Exhaust
I-3006S-30	300 Ford Late	1.810	Intake
E-3005S-30	300 Ford Late	1.595	Exhaust
I-2533-30	240/300 Ford Early	1.810	Intake
E-3005-30	240/300 Ford Early	1.595	Exhaust
E-3484-30	3.0 V6 Ford OHV Early	1.401	Exhaust
I-3485-30	3.0 V6 Ford OHV Early	1.691	Intake
E-02047-30	3.0 V6 Ford Late	1.401	Exhaust
I-02046-30	3.0 V6 Ford Late	1.691	Intake
E-10474S	2.4/2.7 Toyota 2RZFE	.5mmOS	Exhaust
I-10321-S	2.4/2.7 Toyota 2RZFE	.5mmOS	Intake



**If you don't see what you need,
call us! We probably have it or
can make it for you!**

**800-564-8258
(800-56-4VALVE)**



Here at SI Valves, we are constantly adding new part numbers to serve you better. Although our catalog listings are extensive, we realize that there is always new engines coming online and older ones who's parts are hard to find. Contact us for either one as we can probably provide it for you. Remember, SI's pricing is always competitive across the board, whether a stock or custom made part.



ABOUT VALVES:

SI combines a broad-based knowledge of the industry with the manufacturing support of world leaders in today's technological environment.

valves, engineered for specific applications, at very competitive pricing. See following pages for applications. The different types of valves offered by SI are explained on the following pages.

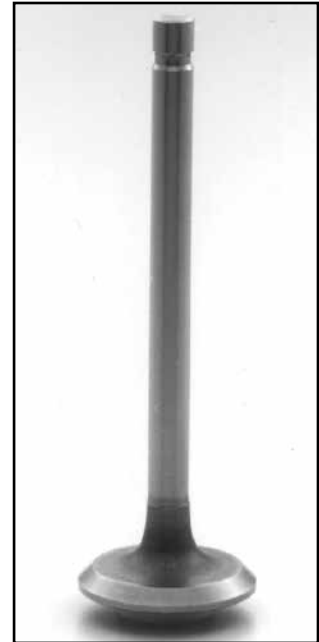
Accordingly, SI is able to provide excellent quality

“REPLACEMENT” SERIES

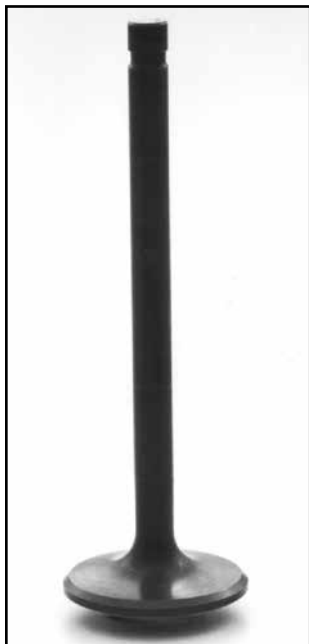
These valves are made from stainless and steel materials that are suitable for all stock rebuilds and unleaded conversions. Low prices and top quality make these valves a great deal for standard use. Many are now available with Black Knight coating at attractive prices. Available for foreign, domestic and motorcycle applications. Available in +3 and +15 stems.

Check out our comprehensive coverage for import engines.

Bulk pricing available for PER's and volume purchases.



REPLACEMENT SERIES



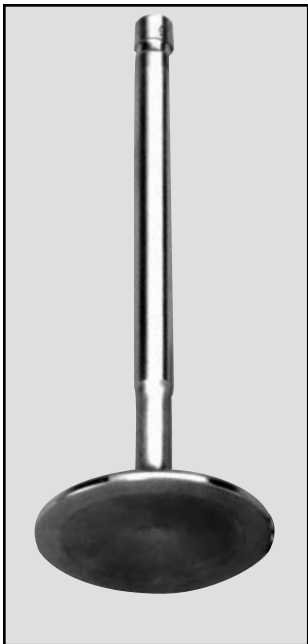
BLACK KNIGHT SERIES

“BLACK KNIGHT” SERIES

SI's unique “Black Knight” valves (code: BK) feature a special coating that serves two purposes. First, the coating is designed to provide improved heat transfer. This promotes better valve train life. Secondly, the coating has proven to combat the problems associated with unleaded gasoline. In short, the Black Knight is what street performance enthusiasts have been waiting for! Black Knight valves are made in limited production runs and special ordering may be required. Carbon build-up is almost non-existent. Many available with single groove (code SGB). Fully swirl-polished with Stellite tips.

Extensive Availability for Japanese Engines.

ALL SI VALVES FEATURE ONE-PIECE FORGINGS



PORTFLOW SERIES

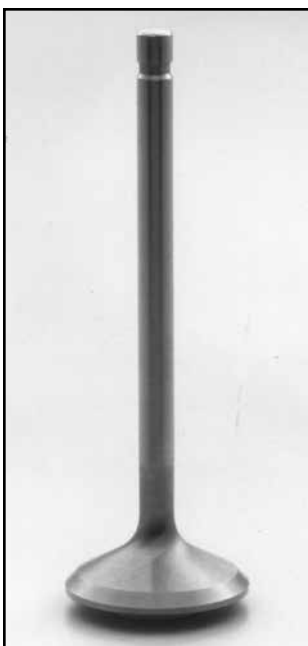
PORTFLOW SERIES

Ideal for both competition and street applications, they are similar in material and design to SI's competition valves, but manufactured in large production runs for all of the most popular applications. Because of the fully automated (robotic) production, SEV-series valves are priced lower than racing models, yet feature the same premium quality stainless steel forgings, chrome stems stellite tips and swirl-polishing. Color the SEV Portflow valves "economical." If you do not see a valve you need in the Competition or Silver line Series, use the Portflow, as they are suitable for these applications.

Bulk pricing available for PER's and volume purchases.



PORTFLOW SERIES



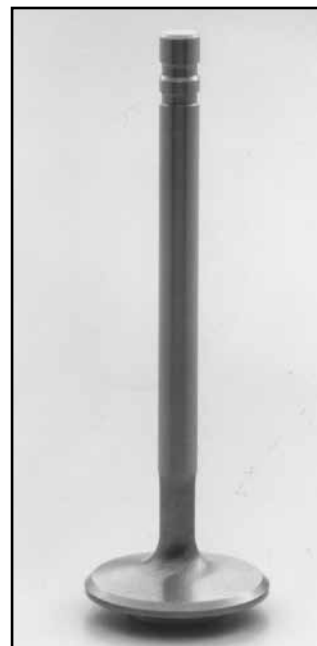
COMPETITION SERIES

COMPETITION/PREMIER SERIES

This model features an undercut stem in the head area. In addition to reducing the valve weight (which provides benefits in opening rate and RPM limits) the radius of the head is such that it significantly improves air/fuel flow. This model enjoys great success when used with stock heads, as well as modified versions. Fully swirl-polished. Chromed stems and Stellite tips.

Ideal for tough racing applications of all kinds.

Bulk pricing available for PER's and volume purchases.



PREMIER SERIES

ALL SI VALVES FEATURE ONE-PIECE FORGINGS



**SILVER LINE SERIES
DOMESTIC**

SILVER LINE SERIES*

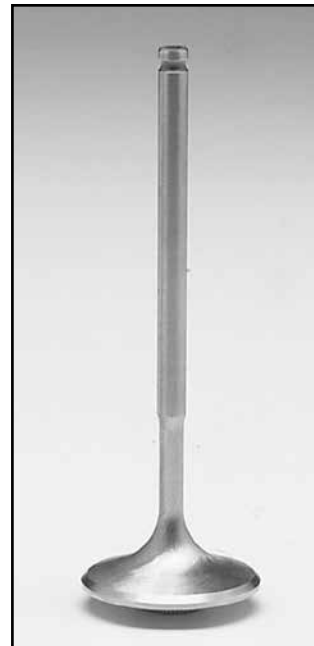
These premium quality racing valves are the *perfect complement to our current stock, street performance and competition valves. These new "Silver Line" valves to compare favorably with top-of-the-line models from our competitors in both appearance and performance. So there's no need to go anywhere else. Ideal for the most extreme racing conditions. Applications for aftermarket heads start at .050 longer. These are fully swirl-polished. Chromed stems and Stellite tips. Special thick margins and modified radius make Silver Lines our lightest and best flowing valves. Silver Lines are available in hundreds of sizes for all types of serious race heads.*

Custom made valves available.

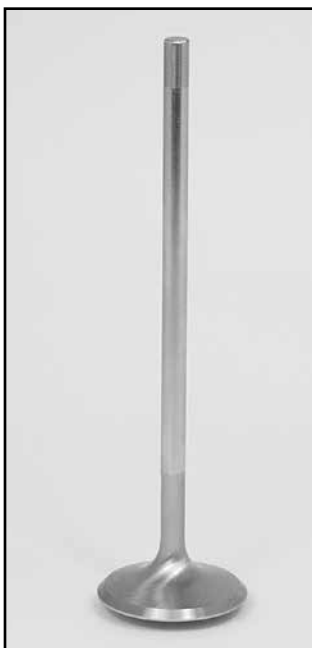
Compare our Silver Line Series to anybody's best valve.

You save money and get the best at the same time.

***Hollow stem racing valves available. Please inquire.**



**SILVER LINE SERIES
IMPORT**



CUSTOM SERIES

CUSTOM VALVE SERIES

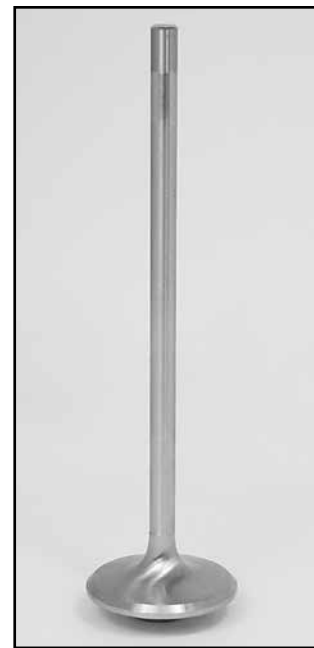
SI is proud to introduce our new Custom Valve Series. Whether you need hardcore racing valves in stainless or titanium, or just good quality valves for street or a classic restoration, we have the blank to make the part for you. Contact your salesperson with specifications. Domestic and metric sizes are available.

SI will manufacture any valve to your sample or spec. A 50% deposit is required to begin production.

There are NO MINIMUM orders. Custom valves can be manufactured using steel, stainless steel, inconel or titanium. Hardened tips can be installed on any valve.

- 1. Orders under 100 pcs. will be made from existing blanks in 10 days.*
- 2. Order of 300 pcs. or more can be private labeled at factory and are subject to 8 week delivery.*

Please contact your salesperson with your needs.



CLASSIC SERIES

***Matching bronze valve guides can also be manufactured with 2 week lead time.**



**SILVER LINE INCONEL
SERIES**

SILVER LINE INCONEL SERIES

Our Inconel Series extreme duty valves are manufactured from quality X751 high nickel material. These valves feature swirl-polishing, one-piece construction, hard chrome stems and stellite tips. These very durable valves are recommended where unusually high exhaust gas temperatures (EGT's) are expected in turbo, supercharged and/or nitrous applications.

Domestic and metric sizes available.

Custom made valve available.



**SILVER LINE INCONEL
SERIES**



**SILVER LINE TITANIUM
SERIES**

SILVER LINE TITANIUM SERIES

Our Titanium valves are manufactured using state-of-the-art 6242 titanium for exhausts and the finest grade 6AL4V titanium for intakes. All feature one-piece forgings, swirl-polishing, and moly-coating. Hard tips can be installed if desired. This series is recommended when valve weight reduction is required. For high RPM race engines.

Domestic and metric sizes available.

Custom made to your specs.



**SILVER LINE TITANIUM
SERIES**

ALL SI VALVES FEATURE ONE-PIECE FORGINGS



AMERICAN MOTORS VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
150 C.I.D.	2.5	4	1983-87	I-2024	E-2023
150 C.I.D.	2.5	4	1987-On	I-3332	E-3333
152 C.I.D.	2.5	4	1980-83	I-3063	E-3062
173 C.I.D.	2.8	V-6	1986	I-3103	E-3093
199 C.I.D.	3.3	6	1967-70	I-2605	E-2604
232 C.I.D.	3.9	6	1964-72	I-2605	E-2604
232 C.I.D.	3.9	6	1973-79	I-2910	E-2909
243 C.I.D.	4.0	6	All	I-3332	E-3333
258 C.I.D.	4.2	6	1971-72	I-2605	E-2604
			1973-80	I-2910	E-2909
			1981-83	I-2605	E-2909
258 C.I.D.	4.2	6	1984-On	I-2606	E-2604
290 C.I.D.	4.8	V-8	1966-69	I-2605	E-2604

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
304 C.I.D.	5.0	V-8	1970-72	I-2605	E-2604
			1973-79	I-2910	E-2909
343 C.I.D.	5.6	V-8	1967-69	I-2662	E-2661
360 C.I.D.	5.9	V-8	1970	I-2662	E-2661
			1970-72	I-2662	E-2813
			1973-74	I-2912	E-2911
			1975-78	I-2912	E-2907
390 C.I.D.	6.4	V-8	1968-70	I-2662	E-2661
			Late	I-2662	E-2813
401 C.I.D.	6.6	V-8	1971-72	I-2662	E-2813
			1973-74	I-2912	E-2911
			1975-76	I-2912	E-2907

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	LENGTH	PART NUMBER
1.406 304/327 Exhaust	4.892	SEV-2604
1.787 304/327 Exhaust	4.892	SEV-2605
1.625 360/401 Exhaust	4.907	SEV-2661

DESCRIPTION	LENGTH	PART NUMBER
2.020 360/401 Intake (Single Groove)	4.900	SEV-2662
2.080 360/401 Intake (Single Groove)	4.900	SEV-2662-60
1.688 360/401 Exhaust (Single Groove)	4.910	SEV-2813

AUDI VALVES

REPLACEMENT SERIES - (Please check dimensions)

MODEL	LITER	CYL.	YEAR	Size (mm)	INTAKE PART NUMBER	EXHAUST PART NUMBER
A4	1.8T	4	All 20V		I-T5801	E-T5811
Diesel Hyd.	1.6	4	All	34x8x91.5	035-109-601A	
Diesel Hyd.	1.6	4	All	31.2x8x95		
5000 Turbo	2.2	5	All	38x8x91	035-109-601H	
5000 Turbo	2.2	5	All	33.2x8x91.1		
5000	2.2	5	All	38x8x98.7	035-109-601F	
5000	2.2	5	All	33.2x8x98.5		035-109-611F
100LS		(see 924 Porsche)				
Fox		(see Volkswagen)				
A6	3.0	6	30V Only		IT5801	E-T3343 (.140TIP)
A4	2.0	4	06-On	34mm/28mm	I-T33120	E-T33119

BMW VALVES/New MINI COOPER - *Racing valve available

REPLACEMENT SERIES - *Also available in racing valve

MODEL	YEAR	LITER	CYLINDER	INTAKE PART NUMBER	EXHAUST PART NUMBER
325i, 525i, IC, IX M201	1980-On	All	6	42mm Head I-T11104	36mm Head E-T11129
6 Cyl. w/8mm Stem M30	1975-87	3.3-3.5	6	46mm Head I-T1142*	38mm Head E-T1125*
318i (7mm) M44	1990-92	3.0	4	I-T11359 4v	E-T11360
318i (6mm) M44	1993-On	3.0	4/6	I-T11961 4v	E-T11964
325E, 528E All w/7mm Stem M52	1980-On	All	6	40mm Head I-B325	34mm Head E-B325
2002, 318, 320 (Polished) Mid M20E All		2.0	4	46mm Head I-T1132*	38mm Head E-T1133*
525i (6mm) M52	1992-98	2.5 (24V)	6	I-BMW-6* Racing	E-BMW-6* Racing
M3 (7mm) S-14	1985-89	1.8/2.5	4/6	I-BMW-M3 (1mmOS)*	E-BMW-M3 (1mmOS)*
NEW Mini (1mmOS Head)	1999-On	1.6	4 (16V)	I-Mini-1 (1mmOS)*	E-Mini-1 (1mmOS)*
			(6mm Stem)	I-Mini-Std	E-Mini-Std
6mm 24V Ib M52	All	3.0	4	1mmOSHead I-BMW-6-1* Racing/1mmOS	E-BMW-6-1* Racing
6 Cyl. w/8mm Stem	75-87	3.3-3.5	6	1mmOSHead I-T1142-1*	E-T1125-1*
8 Cyl. Late 6mm	32V	M60	8	I-T11359	E-T11538
Late New Mini	5mm Stem	DOHC	4	Turbo I-4721	E-4722
Late New Mini	5mm Stem	DOHC	4	Non-Turbo I-4723	E-4724

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



BMW MOTORCYCLE VALVES

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER
42.0mm BMW Intake Valve	1801	44.0mm BMW Intake Valve	1801A
40.0mm BMW Valve	1801-C	45.0mm BMW Intake Valve	1801B
40.0mm BMW I/E Nitride	1801-C-N		

BRIGGS & STRATTON VALVES

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	C.I.D.	HEAD	SIZE STEM	LENGTH	INTAKE or EXHAUST PART NUMBER
Jr. Dragster or Karts	5HP	1.500	.2485	3.900	1800
Jr. Dragster or Karts	5HP	1.000	.2485	3.850	1805-1
Jr. Dragster or Karts	5HP	1.260	.2485	3.850	1804
Jr. Dragster or Karts	5HP	1.300	.2485	3.850	1806
Jr. Dragster or Karts	5HP	1.360	.2485	3.900	1803
Jr. Dragster or Karts	5HP	1.375	.2485	3.850	1806-1
Jr. Dragster or Karts	5HP	1.125	.2485	3.850	1805
Jr. Dragster or Karts	5HP	1.160	.2485	3.900	1802
Jr. Dragster or Karts	5HP	1.439	.2485	3.900	1803-S
Jr. Dragster or Karts	5HP	1.600	.2485	3.900	1810
Jr. Dragster or Karts	5HP	1.700	.2485	3.900	1811
V-Twin Int.	35HP	1.412	6mm	3.580	BTI
V-Twin Exh.	35HP	1.285	6mm	3.590	BTE
Animal	6.5HP	.990	.2485	3.900	BA-E
Animal	6.5HP	1.125	.2485	3.900	BA-E-S
Animal	6.5HP	1.080	.2485	3.900	BA-I
Animal	6.5HP	1.250	.2485	3.900	BA-I-250
Animal	6.5HP	1.350	.2485	3.900	BA-I-S

BUICK VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	INTAKE YEAR	EXHAUST PART NUMBER	PART NUMBER
151 C.I.D.	2.5	4	1980-81	I-3063	E-3062
151 C.I.D.	2.5	4	1985-88	I-3434	E-3398
151 C.I.D.	2.5	4	1989-On	I-3435	E-3398
173 C.I.D.	2.8	V-6	1980-83	I-3103	E-3093
181 C.I.D.	3.0	V-6	1982-85	I-3047	E-3448
196 C.I.D.	3.2	V-6	1978	I-2999	E-2998
			1979	I-3047	E-3046
231 C.I.D. (8mm)	3.8	V-6	1998-On	I-01858	E-01915
231 C.I.D.	3.8	V-6	1975-76	I-2999	E-2998
			1977-78	I-2999	E-2998
			1979-83	I-3047	E-3448
			1985-On	I-3047	E-3448
231 C.I.D. Turbo	3.8	V-6	All .341Stem	I-3047X	E-3448
250 C.I.D.	4.1	6	1968-75	I-2091	E-2809
252 C.I.D.	4.1	V-6	1980-83	I-3047	E-3448
260 C.I.D.	4.3	V-8	1975-76	I-2947	E-2946
265 C.I.D.	4.3	V-8	1980-81	I-3084	E-3083
267 C.I.D.	4.4	V-8	1981-82	I-3176	E-3016
301 C.I.D.	4.9	V-8	1977-80	I-2995	E-2994
305 C.I.D.	5.0	V-8	1977-80	I-2091	E-2809
307 C.I.D.	5.0	V-8	1980-84	I-3205	E-2993
350 C.I.D.	5.7	V-8	1968-73	I-2669	E-2668
			1974	I-2669	E-2894
			1977	I-2669	E-2938

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



BUICK VALVES continued

REPLACEMENT SERIES - Continued

APPLICATION	LITER	CYL.	INTAKE YEAR	EXHAUST PART NUMBER	PART NUMBER
L-Type			1977-79	I-2552	E-2090
400 C.I.D.	6.6	V-8	1978	I-2857	E-2868
403 C.I.D.	6.6	V-8	1977-79	I-2499	E-2993
455 C.I.D.	7.4	V-8	All	4004E	4003E
I-01858	BUICK	IN 3.8	V6 95-On	8mm 1.800	
E-01915	BUICK	EX 3.8	V6 98-On	8mm 1.520	

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER	DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER
Buick 368-401-425 Nail	1.875	4.785	SEV-2274	Buick 215 C.I.D. V8 IN	Stock	Stock	SEV-2358
Buick 368-401-425 Nail	1.500	4.785	SEV-2404	Buick 403 Int	1.750	4.700	SEV-3205
Buick 215 C.I.D. V8 EX	Stock	Stock	SEV-2357	Buick 403 Exh	1.500-30°	4.700	SEV-2993

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LNTH	GROOVE TYPE	TIP LNTH	BLACK KNIGHT	PART NUMBER
V-6									
231 C.I.D.-up Stage II	EX	+.155	1.650T	.3417	5.555	1G	.290	4011SGB	4011SG
	EX	Stock	1.650T	.3417	5.400	1G	.290	4001SGB	4001SG
	IN	Stock	2.150	.3417	5.380	1G	.260	4002SGB	4002SG
	IN	+.175	2.150	.3417	5.555	1G	.260	4010SGB	4010SG
231 C.I.D.-up Prod. Head V-6	EX	Stock	1.500	.3415	4.722	1G	.250		4007E
	IN	Stock	1.745	.3415	4.722	1G	.250		4008E
	IN	Stock	1.770	.3415	4.722	1G	.250		4009E
V-6	IN	Stock	2.165	.3415	5.380	1G	.250		4002SGP
455 C.I.D.	EX	Stock	1.750	.3730	5.150	1G	Long Groove		4005E
455 C.I.D.	IN	Stock	2.125	.3725	5.150	1G	Long Groove		4006E
455 C.I.D.	EX	Stock	1.625	.3730	5.150	1G	Long Groove		4003E
455 C.I.D.	IN	Stock	2.000	.3725	5.150	1G	Long Groove		4004E
350 C.I.D. 1969-77	IN	Stock	1.875	.3715	5.009	Stock	Long Groove	—	4013E
350 C.I.D. 1969-76	EX	Stock	1.500	.3715	5.029	Stock	Long Groove	—	4012E
350 C.I.D. 1977 Only	EX	Stock	1.550	.3715	5.016	Stock	Long Groove	—	4014E

401/368 C.I.D. — See Portflow Section (Nail Head)

CADILLAC VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER	APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
Northstar (32V)	4.6	8	All	I-2037	E-2036						
122 C.I.D.	2.0	4	1983	I-3175	E-3174	425 C.I.D.	7.0	V-8	1977-80	I-2871	E-2993
173 C.I.D.	2.8	V-6	1985	I-3103	E-3093	429 C.I.D.	7.1	V-8	1977-79	I-2994	E-2923
252 C.I.D.	4.1	V-6	1980-82	I-3047	E-3046	472 C.I.D.	7.7	V-8	1964-67	I-2504	E-2503
252 C.I.D.	4.1	V-8	All	I-2005	E-2004				1968-73	I-2664	E-2663
331 C.I.D.		V-8	All	I-331CAD	E-331CAD				1974-76	I-2924	E-2923
350 C.I.D.	5.7	V-8	1976	I-2871	E-2870	500 C.I.D.	8.2	V-8	1970-73	I-2664	E-2663
						Catera	3.0/3.2	V-6	All	I-3478	E-3477X

PORTFLOW SERIES - Swirl-Polished Performance Valves for Street, Track or Quality Restorations

DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER	DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER
3.0/3.2 Catera IN	Stock	Stock	SEV-3478-1	472-500 Intake	2.190	5.250	1275SG
3.0/3.2 Catera EX	Stock	Stock	SEV-3477-1	472-500 Exhaust	1.810	5.230	1274SG-S
472 Exhaust	1.625	5.000	SEV-2923	500 Exhaust	1.625	5.246	SEV-2663
472 Intake	2.000	4.977	SEV-2924	500 Intake	2.000	5.230	SEV-2664
472-500 Exhaust	1.840	5.250	1274SG				
SEV-3477-1	CAD EX	3.0/3.2 24V CAT	1mm OSH	1274SG	CAD EX	472/500	1.840/5.250
SEV-3478-1	CAD IN	3.0/3.2 24V CAT	1mm OSH	1275SG	CAD IN	472/500	2.190/5.250

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



CHEVROLET VALVES (GMC)

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
85 C.I.D. Chevette	1.4	4	All	I-2951*	E-2950*
92 C.I.D. Chevette	1.5	4	Spectrum	I-Spec	E-Spec
98 C.I.D.	1.6	4	All	I-2951*	E-2950*
110 C.I.D.	1.8	4	All	I-3175*	E-3174*
112 C.I.D.	2.0	4	1989-92	I-3213	E-3212
122 OHV	2.0	4	1987-90	I-2684	E-2159
122 OHV	2.0	4	1990-91	I-2038	E-2159
122 OHC	2.0	4	1992-On	I-3214	E-3212
122 OHC	2.0	4	1983-86	I-3175*	E-3174*
134 OHV	2.2	4	1998-02	I-01902	E-01903
Ecotec DOHC	2.2	4	2003-On	I-01706	E-01707
134 OHV (8mm Stem)	2.2	4	1990-91	I-2038	E-2159
134 OHV (7mm Stem)	2.2	4	1993-On	I-2892	E-2885
134 OHV	2.2	4	2000-On	I-01902	E-01903
140 Quad 4	2.3	4	1992-94	I-2025	E-2026
140 C.I.D. Corvair		6	Small Valve	I-2400	E-2402
146 C.I.D. Vin T.	2.4	4-4V	1996-On	I-19410	E-19420
151 C.I.D.	2.5	4	1979-84	I-3063	E-3062
151 C.I.D.	2.5	4	1987-88	I-3434	E-3398
151 C.I.D.	2.5	4	1989-On	I-3435	E-3399
164 C.I.D. Corvair	2.7	4	Big Valve	I-2554*	E-2553*
173 C.I.D.	2.8	V-6	All	I-3103	E-3093
173 HO	2.8	V-6	All	I-3253	E-3188
173 Alum	2.8	6	1987-89	I-2140	E-2143
189 Alum	3.1	6	1989-96	I-2140	E-2143
194 C.I.D.	3.2	6	1962-67	I-2091	E-2090
196 C.I.D.	3.2	V-6	1978-79	I-2999	E-2998
207 C.I.D. (SOHC)	3.4	V-6	1996-97 (8mm)	I-01810 (1.718)	E-01811
207 C.I.D. (SOHC)	3.4	V-6	1998-01 (8mm)	I-01929 (1.760)	E-01811
207 C.I.D. (DOHC)	3.4	V-6	1991-On	I-2680	E-2683
229 C.I.D.	3.8	V-6	1980-On	I-3091	E-3161
230 C.I.D.	3.8	6	1962-70	I-2810	E-2090
231 C.I.D. (8mm)	3.8	V-6	1998-On	I-01858	E-01915
231 C.I.D.	3.8	V-6	1979-On	I-3047	E-3046
231 C.I.D.	3.8	V-6	1985-On	I-3047	E-3448
235 C.I.D.	3.8	6	1954-62	I-2275	E-2090
250 C.I.D.	4.1	6	1971-On	I-2810	E-2090
262 C.I.D.	4.3	6	1975-76	I-2091	E-2090
262 C.I.D.	4.3	V-6	1985-93	I-2552	E-2090
265 C.I.D.	4.3	V-8	1955-57	I-2091	E-2090
265 C.I.D. H.O.	4.3	V-8	1994-On	I-3091	E-3161
267 C.I.D.	4.3	V-8	1979-80	I-2091	E-3016
			1981-82	I-3176	E-3016
283 C.I.D.	4.6	V-8	1958-67	I-2091	E-2090
292 C.I.D.	4.8	6	1963-On	I-2810	E-2090
301 C.I.D.	4.9	V-8	1980	I-2995	E-2994
302 C.I.D.	5.0	V-8	1967-69	I-2470	E-2469
305 C.I.D.	5.0	V-8	1976-On	I-2091	E-2090
305 H.O.	5.0	4-BBL	1980-On	I-3091	E-2090
307 C.I.D.	5.0	V-8	1968-73	I-2091	E-2090
327 C.I.D.	5.4	V-8	1963-On	I-2091	E-2090
			1967-69	I-2470*	E-2469*
350 C.I.D.	5.7	V-8	1967-70	I-2552	E-2090
			1967-70	I-2552	E-2090
350 C.I.D.	5.7	V-8	All (1 Groove)	I-2551SG	E-2090SG
			1967-70	I-2470 (2.02)	E-2469-P (1.600)
			1975-On	I-2091	E-2090
350 C.I.D. Truck			1975-80	I-2810	E-2896 (.371)
350 Corvette LT-1	5.7	8	1990-94	I264SG	I263SG
366 C.I.D.	6.0	V-8	1973-On	I-2691X, I-2710	E-2690XS
373 Diesel	6.2/6.5	V-8	All	I-3254 (1.811)	E-3162PS (1.654HD)
373 Diesel	6.2/6.5	V-8	All	I-3255 (1.969)	E-3299 (1.500HD)
373 Diesel	6.5	V-8	Late	I-3254 (1.811HD)	E-3297 (1.535HD)

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material
 (add -X to part number)

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CHEVROLET VALVES (GMC) continued

REPLACEMENT SERIES -Continued

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
396 C.I.D.	6.5	V-8	1965-70	I-2867	E-2550
400 C.I.D.	6.6	V-8	1970	I-2552	E-2469P
			1971-73	I-2552	E-2090
			1974-76	I-2552	E-2090
400 C.I.D.	6.6	V-8	1970-72	I-2867	E-2550
402 C.I.D.	6.6	V-8	1970-72	I-2867	E-2550
427 C.I.D.	7.0	V-8	1966-69	I-2867	E-2550
427 C.I.D. Truck	7.0	V-8	1973-On	I-2710 (1.940)	E-2690XS (1.660 HD)
454 C.I.D.	7.4	V-8	1970-On	I-2867 (2.065)	E-2550 (1.725 HD)
				I-2562P (2.190)	E-2692P (1.880 HD)
110 C.I.D.	1.8	4	1976-83	8-9417-1780	8-9417-1790
E-3474 CHEV EX Aveo	1.6			I-3475 CHEV INT Aveo	1.6
E-01903 GM EX 2.2 OHV 98-On				I-01902 GM IN 2.2 OHV 98-On	
E-01999 GM EX Vortec 24V I6 02-On				I-01998 GM IN Vortec 24V I6 02-On	
E-01935 GM EX LS 4.8/5.3 1.550/8/4.915				I-01934 GM IN 4.8/5.3 1.890 99-On	
E-01942 GM EX 2.4 VIN-T 96-On Late				I-01941 GM IN 2.4 VIN-T 96-On Late	
E-4502 GM EX 6.6 Duramax				I-4506 GM IN 6.6 Duramax	

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	LENGTH	PART NUMBER	DESCRIPTION	LENGTH	PART NUMBER
1.497 2.2 OHV (1mmOS) EX	5.142	SEV-2885-1	1.940 S.B. Chevy Intake 1 Groove	4.880	SEV-2552-SG
1.772 2.2 OHV (1mmOS) IN	5.405	SEV-2892-1	1.940 S.B. Chevy Intake Undercut +100	4.980	SEV-2552+100
1.772 2.2 OHV IN '98-On (1mmOS)	5.285	SEV-01902-1	1.340 Corvair	4.500	SEV-2553
1.497 2.2 OHV EX '98-On (1mmOS)	5.000	SEV-01903-1	1.720 Corvair	4.500	SEV-2554
1.425 3.4 GM (2V) 94-On	4.736	SEV-01811 (8mm)	1.360 Corvair	4.500	SEV-2555
1.800 3.8 Late GM Intake 91-On	4.721	SEV-01858 (8mm)	1.755 B.B. Chevy Exhaust	5.355	SEV-2560
1.840 3.8 Late GM Intake 91-On	4.721	SEV-01858-S (8mm)	1.725 B.B. Chevy Exhaust	5.355	SEV-2561
1.732 2.2 OHV Chevy Intake 98-On	5.285	SEV-01902	2.190 B.B. Chevy Intake Valve	5.220	SEV-2562-E
1.457 2.2 OHV Chevy Exhaust 98-On	5.000	SEV-01903	1.840 B.B. Chevy Exhaust Valve	5.355	SEV-2614
1.520 3.8 Late GM Exhaust 91-On	4.721	SEV-01915 (8mm)	2.300 B.B. Chevy Intake Valve	5.220	SEV-2615
1.600 3.8 Late GM Exhaust 91-On	4.721	SEV-01915-S (8mm)	2.300 B.B. Chevy Intake+100	5.320	SEV-2615+100
1.760 3.4 GM (2V) 94-On	4.684	SEV-01929 (8mm)	1.880 B.B. Chevy Exhaust Valve	5.355	SEV-2692
1.396 2.4 Chevy Intake Vint.	4.207	SEV-01941	1.900 B.B. Chevy Exhaust	5.355	SEV-2692-S
1.141 2.4 Chevy Exhaust Vint.	4.238	SEV-01942	1.940 B.B. Chevy Exhaust+100	5.455	SEV-2782+100
1.625 S.B. Chevy Exhaust Tulip	4.960	SEV-11557	1.500 S.B. Chevy Exhaust (.100 Long)	4.980	SEV-2809+100
1.625 S.B. Chevy Exhaust +100	5.010	SEV-11557-PF+	1.500 Chevy Exhaust Valve	4.880	SEV-2809-C
2.055 S.B. Chevy Intake (.100 Long)	5.000	SEV-11598+100	1.500 S.B. Chevy Exhaust 1 Groove	4.880	SEV-2809-SG
1.625 S.B. Chevy Exhaust (.200 Long)	5.110	SEV-11557+200	2.065 B.B. Chevy Intake Valve	5.225	SEV-2867-C
1.720 S.B. Chevy Intake (.100 Long)	4.980	SEV-2091+100	2.125 B.B. Chevy Intake	5.220	SEV-2867-S
1.720 S.B. Chevy Intake	4.880	SEV-2091-C	1.940 B.B. Chevy Exhaust (.100 Long)	5.455	SEV-2872+100
1.720 S.B. Chevy Intake (1 Groove)	4.880	SEV-2091-SG	1.940 B.B. Chevy Exhaust Valve	5.355	SEV-2872-C
1.718 2.8 GM Intake (8mm)	4.706	SEV-2140	1.457 2.2 OHV Chevy Exhaust	5.142	SEV-2885
1.425 2.8 GM Exhaust (8mm)	4.737	SEV-2143	1.732 2.2 OHV Chevy Intake	5.465	SEV-2892
1.875 235 Chevy Intake	6.386	SEV-2275	1.840 S.B. Chevy Intake 1 Groove	4.900	SEV-3091-SG
2.190 B.B. 409 Chevy Intake Valve	5.110	SEV-2387-C	1.840 S.B. Chevy Intake (.100 Long)	5.010	SEV-3091SG+100
2.090 409 Chevy Intake	5.110	SEV-2387-ES	1.840 S.B. Chevy Intake (.100 Long)	5.013	SEV-3091+100
1.720 B.B. 409 Chevy Exhaust	5.110	SEV-2388-C	1.840 S.B. Chevy Intake Valve	4.912	SEV-3091-C
1.660 409 Chevy Exhaust	5.110	SEV-2388-CS	1.900 S.B. Chevy Intake	4.900	SEV-3091SG-S
1.940 348/409 Chevy Intake	5.110	SEV-2387-194	1.840 S.B. Chevy Intake	5.060	SEV-3091SG+150
1.250 Corvair Exhaust	4.500	SEV-2402-C	2.250 B.B. Chevy Intake	5.220	SEV-3119E
1.600 S.B. Chevy Exhaust Valve	4.880	SEV-2469-C	2.250 B.B. Chevy Intake (.100 Long)	5.375	SEV-3119+100
1.600 S.B. Chevy Exh Undercut +100	4.980	SEV-2469+100	2.250 B.B. Chevy Int. Valve (11/32 Stem)	5.220	SEV-3120
1.600 S.B. Chevy Exhaust 1 Groove	4.880	SEV-2469-SG	2.250 B.B. Chevy Intake (11/32 Stem)	5.320	SEV-3120+100
1.600 S.B. Chevy Exhaust +200	5.110	SEV-2469SG+200	2.080 S.B. Chevy Intake Valve Flat	4.950	SEV-3122-E
2.020 S.B. Chevy Intake Valve	4.880	SEV-2470-C	2.080 S.B. Chevy Intake (.100 Long)	5.050	SEV-3122+100
2.020 S.B. Chevy Intake Undercut +100	4.980	SEV-2470+100	1.425 2.8 Chevy Exhaust	4.737	SEV-3188
2.020 S.B. Chevy Intake 1 Groove	4.880	SEV-2470-SG	1.720 2.8 Chevy Intake	4.706	SEV-3253
1.940 S.B. Chevy Intake Valve	4.880	SEV-2552-C			

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CHEVROLET VALVES continued

PORTFLOW SERIES - Continued

SEV-1706	GM	IN	2.2	DOHC	16V	EC0	03-On	SEV-01934-S	GM	IN	LS1	5.7/6.0	2.000/8/4.890
SEV-1707	GM	EX	2.2	DOHC	16V	EC0	03-On	SEV-01935	GM	EX	4.8/5.3/5.7	V6	LS 1.550 99-On
1706-1HP	GM	IN	2.2	DOHC	16V	EC0	03-On 1mm	SEV-01860	GM	IN	3.8		1.940 HD 91-On
1707-1HP	GM	EX	2.2	DOHC	16V	EC0	03-On 1mm	SEV-01859	GM	INT	3.8		Late 1.900
SEV-01934	GM	IN	4.8/5.3	1.890			99-On	SEV-1164S	GM	INT	4.8/5.3		1.950

PREMIER SERIES

These hardcore racing valves are perfect for popular racing applications. Due to large production we are able to offer extremely competitive pricing. Contact your salesman for the best deal.

PRV-2020	SB Chevy	EX	1.500/4.910	PRV-2018	SB Chevy	IN	2.020/5.010
PRV-2021	SB Chevy	IN	1.940/4.910	PRV-2024	SB Chevy	EX	1.600/5.010
PRV-2022	SB Chevy	IN	2.020/4.910	PRV-2031	SB Chevy	IN	2.055/5.010
PRV-2023	SB Chevy	EX	1.600/4.910	PRV-2025	SB Chevy	IN	2.055/4.910

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGH	GROOVE TYPE	TIP LENGH	BLACK KNIGHT	PART NUMBER
SMALL BLOCK									
265-400 C.I.D. ±	IN	Stock	1.720	Stock	Stock	2G	Stock	1051BK	
327-400 C.I.D. ±	IN	Stock	1.940	Stock	Stock	2G	Stock	1052BK	
327-400 C.I.D.	IN	Stock	2.020	Stock	Stock	2G	Stock		1053
265-400 C.I.D.	EX	Stock	1.500	.3415	4.928	2G	.250	1201BK	1201E
265-400 C.I.D. (Vortec)	EX	Stock	1.500	.3415	4.928	1G	.250		1201SG
265-400 C.I.D.	EX	Stock	1.600	.3415	4.928	2G	.250		1202E
265-400 C.I.D.	EX	Stock	1.600	.3415	4.928	1G	.250	1202SGB	1202SG
265-400 C.I.D.	EX	+50	1.600	.3415	4.960	1G	.250		1202SG+50
265-400 C.I.D.	EX	+100	1.600	.3415	5.010	1G	.250		1202SG+100
265-400 C.I.D.	EX	Stock	1.625	.3415	4.928	1G	.250		1203SG
265-400 C.I.D.	EX	+50	1.625	.3415	4.960	1G	.250		1203SG+50
265-400 C.I.D.	EX	Stock	1.687	.3415	4.928	1G	.250		1204SG
265-400 C.I.D.	EX	Stock	1.650	.3415	4.930	1G	.250		1204SG-S
265-400 C.I.D.	EX	+100	1.687	.3415	5.030	1G	.250		1204SG+100
265-400 C.I.D.	EX	+100	1.650	.3415	5.030	1G	.250		1204SG-S+100
265-400 C.I.D.	EX	+100	1.600F	.3415	5.035	1G	.250		1210SGF
265-400 C.I.D.	EX	+200	1.600	.3415	5.135	1G	.250		1214SG
265-400 C.I.D.	EX	Stock	1.600F	.3415	4.928	1G	.250		1215SG
265-400 C.I.D.	IN	Stock	1.940	.3415	4.880	1G	.250	1251BK	1251SG
265-400 C.I.D. (Flat Face)	IN	Stock	1.940	.3415	4.880	1G	.250		1251SG-F
265-400 C.I.D.	IN	+200	1.940	.3415	5.100	1G	.250		1251SG+200
265-400 C.I.D.	IN	Stock	2.020	.3415	4.900	1G	.250	1252SGB	1252SG
265-400 C.I.D.	IN	Stock	2.020F	.3415	4.900	1G	.250		1252SGF
265-400 C.I.D.	IN	+50	2.020	.3415	4.960	1G	.250		1252SG+50
265-400 C.I.D.	IN	+200	2.020	.3415	5.100	1G	.250		1252SG+200
265-400 C.I.D.	IN	+200	2.055	.3415	5.110	1G	.250		1253SG+200
265-400 C.I.D.	EX	Stock	1.570	Stock	4.900	1G	Stock		1263SG
350 Corvette LT1	EX	+50	1.570	.3415	4.960	1G	.250		1263SG+50
265-400 C.I.D.	IN	Stock	2.000	Stock	4.900	1G	Stock		1264SG
350 Corvette LT1	IN	+50	2.000	.3415	4.960	1G	.250		1264SG+50
265-400 C.I.D.	IN	+50	2.055	.3415	4.960	1G	.250		1265SG
265-400 C.I.D.	IN	+300	2.055	.3415	5.260	1G	.250		1265SG+300
265-400 C.I.D.	EX	+150	1.600	.3415	5.060	1G	.250		1266SG
265-400 C.I.D.	EX	+150	1.625	.3415	5.060	1G	.250		1267SG
265-400 C.I.D.	IN	+150	1.940	.3415	5.060	1G	.250		1268SG
265-400 C.I.D.	IN	+150	2.020	.3415	5.060	1G	.250		1269SG
265-400 C.I.D.	IN	+150	2.055	.3415	5.060	1G	.250		1270SG
265-400 C.I.D.	IN	+150	2.080	.3415	5.060	1G	.250		1271SG
265-400 C.I.D.	IN	+150	2.100	.3415	5.060	1G	.250		1272SG
265-400 C.I.D.	IN	+150	2.125	.3415	5.060	1G	.250		1273SG
Corvette LT5	IN	Stock	Stock	.313	Stock	1G	Stock		1276SG
Corvette LT5	EX	Stock	Stock	.313	Stock	1G	Stock		1277SG

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



CHEVROLET VALVES *continued*

COMPETITION SERIES - Continued

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LNPTH	GROOVE TYPE	TIP LNPTH	BLACK KNIGHT	PART NUMBER
SMALL BLOCK cont.									
265-400 C.I.D.	EX	+200	1.500	.3415	5.110	1G	.250	Tulip	1300SG
265-400 C.I.D.	EX	Stock	1.600T	.3415	4.910	1G	.250	1301SGB	1301SG
265-400 C.I.D.	EX	+50	1.600T	.3415	4.910	1G	.250	Tulip	1301SG+50
265-400 C.I.D.	EX	Stock	1.500T	.3415	4.930	1G	.250	Tulip 23°	1301SGS
265-400 C.I.D.	EX	Stock	1.625T	.3415	4.928	1G	.250	1302SGB	1302SG
265-400 C.I.D.	EX	Stock	1.625T	.3415	4.928	1G	.290	1303SGB	1303SG
265-400 C.I.D.	EX	+100	1.600T	.3415	5.035	1G	.250	1304SGB	1304SG
265-400 C.I.D.	EX	+100	1.500T	.3415	5.030	1G	.250	Tulip 23°	1304SGS
265-400 C.I.D.	EX	+100	1.625T	.3415	5.035	1G	.250	1305SGB	1305SG
265-400 C.I.D.	EX	Stock	1.600TF	.3415	4.928	1G	.250		1306SG
265-400 C.I.D.	IN	Stock	2.055	.3415	4.910	1G	.250	1351SGB	1351SG
265-400 C.I.D.	IN	+200	2.055	.3415	5.130	1G	.250		1351SG+200
265-400 C.I.D.	IN	Stock	2.080	.3415	4.910	1G	.250	1352SGB	1352SG
265-400 C.I.D.	IN	+50	2.080	.3415	4.960	1G	.250		1352SG+50
265-400 C.I.D.	IN	+200	2.080	.3415	5.125	1G	.250		1352SG+200
265-400 C.I.D.	IN	+300	2.080	.3415	5.225	1G	.250		1352SG+300
265-400 C.I.D.	IN	+400	2.080	.3415	5.325	1G	.250		1352SG+400
265-400 C.I.D.	IN	+100	2.080	.3415	5.010	1G	.250	1353SGB	1353SG
265-400 C.I.D.	IN	+200	2.080	.3415	5.110	1G	.250		1354SG
265-400 C.I.D.	IN	+100	2.100	.3415	5.010	1G	.250		1355SG
265-400 C.I.D.	IN	+100	2.200	.3415	5.010	1G	.250		1355SGS
265-400 C.I.D.	IN	+200	2.100	.3415	5.110	1G	.250		1355SGS+200
265-400 C.I.D.	IN	+100	2.055	.3415	5.010	1G	.250	1356SGB	1356SG
265-400 C.I.D.	IN	Stock	2.150	.3415	4.930	1G	.250		4002SGS
265-400 C.I.D.	IN	+100	2.150	.3415	5.030	1G	.250		4002SGS+100
265-400 C.I.D.	IN	Stock	2.160	.3415	4.930	1G	.250		4002SG-SP
V-6									
4.3 V-6	EX	Stock	1.500	.3415	4.914	1G	.250		1209E
4.3 V-6	EX	Stock	1.600	.3415	4.928	2G	.250		1202E
4.3 V-6	IN	Stock	1.880	.3415	4.910	1G	.250		1259E
4.3 V-6	IN	Stock	1.940	.3415	4.910	2G	.250		1251E
SMALL BLOCK									
These valves have a 5/16 stem for those who want a light valve without going to titanium.									
All valves are swirl polished with hard tips and chrome stems.									
265-400 C.I.D.	EX	Stock	1.600	.3105	4.935	1G	.250		1501SG
265-400 C.I.D.	EX	Stock	1.500	.3105	4.935	1G	.250		1501SG-S
265-400 C.I.D.	EX	+100	1.600	.3105	5.000	1G	.250		1502SG
265-400 C.I.D.	EX	+100	1.500	.3105	5.018	1G	.250		1502SG-S
265-400 C.I.D.	EX	+100	1.625	.3105	5.035	1G	.250		1503SG
265-400 C.I.D.	EX	Stock	1.625	.3105	4.935	1G	.250		1504SG
265-400 C.I.D.	EX	Stock	1.600T	.3105	4.935	1G	.250		1505SG
265-400 C.I.D.	IN	+100	2.020	.3105	5.000	1G	.250		1551SG
265-400 C.I.D.	IN	Stock	1.940	.3105	4.935	1G	.250		1551SG-S
265-400 C.I.D.	IN	+100	1.940	.3105	5.030	1G	.250		1551SG-S+100
265-400 C.I.D.	IN	+100	2.055	.3105	5.000	1G	.250		1552SG
265-400 C.I.D.	IN	Stock	2.055	.3105	4.900	1G	.250		1553SG
265-400 C.I.D.	IN	+100	2.125	.3105	5.000	1G	.250		1554SG
265-400 C.I.D.	IN	Stock	2.020	.3105	4.900	1G	.250		1558SG
265-400 C.I.D.	EX	+100	1.500	.3105	5.030	1G	.250		1502SG-S
265-400 C.I.D.	EX	Stock	1.500	.3105	4.930	1G	.250		1501SG-S
265-400 C.I.D.	IN	+100	1.940	.3105	5.030	1G	.250		1551SG-S
265-400 C.I.D.	IN	Stock	1.940	.3105	4.930	1G	.250		1558SG-S
265-400 C.I.D.	IN	+100	2.080	.3105	5.030	1G	.250		1554SG-S
265-400 C.I.D.	EX	Stock	1.625	.3415	4.930	1G	.250		1400SG
265-400 C.I.D.	EX	Stock	1.600	.3415	4.910	1G	.250		1401SG
265-400 C.I.D.	EX	+50	1.600	.3415	4.960	1G	.250		1401SG+50
265-400 C.I.D.	EX	+200	1.600	.3415	5.130	1G	.250		1401SG+200
265-400 C.I.D.	EX	+300	1.600	.3415	5.230	1G	.250		1401SG+300
265-400 C.I.D.	EX	+400	1.600	.3415	5.310	1G	.250		1401SG+400
265-400 C.I.D.	EX	+100	1.600	.3415	5.010	1G	.250		1402SG
265-400 C.I.D.	EX	Stock	1.500	.3415	4.930	1G	.250		1405SG
265-400 C.I.D.	EX	+50	1.500	.3415	4.960	1G	.250		1405SG+50

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)

**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)

****If you don't find your application listed, please contact your salesperson. We add new items regularly.



CHEVROLET VALVES *continued*

COMPETITION SERIES - *Continued*

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LGNTH	GROOVE TYPE	TIP LGNTH	BLACK KNIGHT	PART NUMBER
SMALL BLOCK <i>cont.</i>									
265-400 C.I.D.	EX	+ .100	1.500	.3415	5.030	1G	.250		1405SG+100
265-400 C.I.D.	EX	+150	1.500	.3415	5.060	1G	.250		1405SG+150
265-400 C.I.D.	EX	+200	1.500	.3415	5.110	1G	.250		1405SG+200
265-400 C.I.D.	EX	+250	1.500	.3415	5.160	1G	.250		1405SG+250
265-400 C.I.D.	IN	Stock	2.020	.3415	4.913	1G	.250		1451SG
265-400 C.I.D.	IN	+50	2.020	.3415	4.960	1G	.250		1451SG+50
265-400 C.I.D.	IN	+ .100	2.020	.3415	5.013	1G	.250		1451SG+100
265-400 C.I.D.	IN	+ .200	2.020	.3415	5.110	1G	.250		1451SG+200
265-400 C.I.D.	IN	+250	2.020	.3415	5.160	1G	.250		1451SG+250
265-400 C.I.D.	IN	+300	2.020	.3415	5.230	1G	.250		1451SG+300
265-400 C.I.D.	IN	Stock	1.940	.3415	4.913	1G	.250		1452SG
265-400 C.I.D.	IN	+50	1.940	.3415	4.960	1G	.250		1452SG+50
265-400 C.I.D.	IN	+ .100	1.940	.3415	5.013	1G	.250		1452SG+100
265-400 C.I.D.	IN	+200	1.940	.3415	5.113	1G	.250		1452SG+200
265-400 C.I.D.	IN	+250	1.940	.3415	5.160	1G	.250		1452SG+250
265-400 C.I.D.	IN	+ .100	2.055	.3415	5.000	1G	.250		1453SG
265-400 C.I.D.	IN	+ .100	2.125	.3415	5.000	2G	.250		1454E
265-400 C.I.D.	IN	+ .200	2.125	.3415	5.130	1G	.250		1458SG
265-400 C.I.D.	IN	Stock	2.055	.3415	4.930	1G	.250		1457SG
265-400 C.I.D.	IN	+50	2.055	.3415	4.960	1G	.250		1457SG+50
265-400 C.I.D.	IN	Stock	2.125	.3415	4.930	1G	.250		1458E
265-400 C.I.D.	IN	+250	2.055	.3415	5.250	1G	.250		1461SG
265-400 C.I.D.	IN	Stock	1.840	.3415	4.920	1G	.250		1462SG
265-400 C.I.D.	IN	+100	1.840	.3415	5.010	1G	.250		1463SG

BIG BLOCK

These valves have undercut stems for improved flow with stock heads or slightly ported heads. Recommended for modified engines. For street and strip. All valves are swirl polished with hard tips.

396-454 C.I.D. ±	EX	Stock	1.720	Stock	Stock	1G	Stock	1004BK	also 30° Face LPG
396-454 C.I.D.	IN	Stock	2.190	Stock	Stock	1G	Stock	1055BK	
396-454 C.I.D.	EX	Stock	1.720	.3715	5.355	1G	.220	1205BK	1205E
396-454 C.I.D.	EX	Stock	1.880	.3715	5.355	1G	.220		1206E
396-454 C.I.D.	EX	+100	1.880	.3715	5.455	1G	.220		1206E+100
396-454 C.I.D.	EX	+250	1.880	.3715	5.620	1G	.220		1206E+250
396-454 C.I.D.	EX	Stock	1.940	.3715	5.355	1G	.220	1207BK	1207E
396-454 C.I.D.	EX	+ .100	1.900	.3715	5.455	1G	.220	1211SGB	1211SG
396-454 C.I.D.	IN	Stock	2.190	.3715	5.225	1G	.220		1254E
396-454 C.I.D.	IN	+100	2.190	.3715	5.330	1G	.220		1254E+100
396-454 C.I.D.	IN	+250	2.190	.3715	5.475	1G	.220		1254E+250
396-454 C.I.D.	IN	Stock	2.250	.3715	5.230	1G	.220		1255E
396-454 C.I.D.	IN	+100	2.250	.3715	5.330	1G	.220		1255E+100
396-454 C.I.D.	IN	+250	2.250	.3715	5.475	1G	.220		1255E+250
396-454 C.I.D.	IN	+ .050	2.250	.3715	5.280	1G	.220	1256SGB	1256SG
396-454 C.I.D.	IN	+250	2.300	.3715	5.475	1G	.220		1260E+250
396-454 C.I.D.	IN	Stock	2.300F	.3715	5.225	1G	.220		1257SG-Std
396-454 C.I.D.	IN	+ .100	2.300F	.3715	5.344	1G	.220	1257SGB	1257SG
396-454 C.I.D.	EX	Stock	1.725	.3715	5.355	1G	.250	1403SGB	1403E
396-454 C.I.D.	EX	+ .100	1.725	.3715	5.455	1G	.250		1403E+100
396-454 C.I.D.	IN	Stock	2.065	.3715	5.225	1G	.250		1258E
396-454 C.I.D.	EX	Stock	1.880	.3715	5.355	1G	.220		1404E
396-454 C.I.D.	IN	Stock	2.065	.3715	5.218	1G	.220	1455SGB	1455E
396-454 C.I.D.	IN	+ .100	2.065	.3715	5.318	1G	.220		1455E+100
396-454 C.I.D.	IN	Stock	2.190	.3715	5.218	1G	.220		1456E

BIG BLOCK

These valves have 5/16 stems for those who want a light valve without going to titanium.

396-454 C.I.D.	EX	+ .100	1.880	.3085	5.455	1G	.220		1506SG
396-454 C.I.D.	EX	+ .100	1.940	.3085	5.455	1G	.220		1507SG
396-454 C.I.D.	EX	Stock	1.940	.3085	5.355	1G	.220		1508SG
396-454 C.I.D.	EX	Stock	1.940T	.3085	5.355	1G	.220		1509SG
396-454 C.I.D.	IN	+ .100	2.190	.3085	5.330	1G	.220		1555SG
396-454 C.I.D.	IN	+ .100	2.250	.3085	5.330	1G	.220		1556SG
396-454 C.I.D.	IN	Stock	2.250	.3085	5.220	1G	.220		1557SG

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
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CHEVROLET VALVES continued

COMPETITION SERIES - Continued

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LNTH	GROOVE TYPE	TIP LNTH	BLACK KNIGHT	PART NUMBER
BIG BLOCK									
Duramax (ImmOS)	IN	Stock	1.340	7mm	4.975	1G	.520		E-4502H-1
Duramax (ImmOS)	EX	Stock	1.260	7mm	4.963	1G	.520		I-4506H-1
396-454 C.I.D.	EX	Stock	1.725	.3415	5.355	1G	.220		1406SG
396-454 C.I.D.	EX	Stock	1.940	.3415	5.355	1G	.220	1601SGB	1601SG
396-454 C.I.D.	EX	+100	1.940	.3415	5.455	1G	.220	1602SGB	1602SG
396-454 C.I.D.	EX	+250	1.940	.3415	5.600	1G	.220	1603SGB	1603SG
396-454 C.I.D.	EX	Stock	1.900T	.3415	5.355	1G	.220		1604SG
396-454 C.I.D.	EX	+50	1.900	.3415	5.400				1604SG+50
396-454 C.I.D.	EX	+150	1.900	.3415	5.500				1604SG+150
396-454 C.I.D.	EX	+100	1.900TF	.3415	5.455	1G	.220		1606SG
396-454 C.I.D.	EX	Stock	1.880	.3415	5.388	1G	.250		1607SG
396-454 C.I.D.	EX	+50	1.880	.3415	5.400				1607SG+50
396-454 C.I.D.	EX	+150	1.880	.3415	5.500				1607SG+150
396-454 C.I.D.	EX	+100	1.880	.3415	5.485	1G	.250		1608SG
396-454 C.I.D..	IN	Stock	2.190	.3415	5.218	1G	.220	1651SGB	1651SG
396-454 C.I.D..	IN	+50	2.190	.3415	5.275				1651SG+50
396-454 C.I.D..	IN	+150	2.250	.3415	5.375				1651SG+150
396-454 C.I.D.	IN	+100	2.190	.3415	5.320	1G	.220		1651SG+100
396-454 C.I.D.	IN	Stock	2.250	.3415	5.218	1G	.220	1652SGBR	1652SG
396-454 C.I.D.	IN	+50	2.250	.3415	5.275	1G	.220	1652SGBR	1652SG+50
396-454 C.I.D.	IN	+100	2.250	.3415	5.320	1G	.220		1652SG+100
396-454 C.I.D.	IN	+250	2.250	.3415	5.475	1G	.220		1652SG+250
396-454 C.I.D.	IN	+100	2.375	.3415	5.330	1G	.220	1653SGB	1653SG
396-454 C.I.D.	IN	+250	2.375	.3415	5.470	1G	.220	1654SGB	1654SG
396-454 C.I.D.	IN	+100	2.300	.3415	5.330	1G	.220		1655SG
396-454 C.I.D.	IN	+250	2.300	.3415	5.480	1G	.220	1656SGB	1656SG
396-454 C.I.D.	IN	Stock	2.300	.3415	5.220	1G	.220		1655SG-Std
396-454 C.I.D. Pont.	EX	Stock	1.900T	.3415	6.450	1G	.250		6008SG
396-454 C.I.D. Pont.	IN	Stock	2.300	.3415	6.600	1G	.250		6009SG
396-454 C.I.D. Pont.	IN	Stock	2.400	.3415	6.600	1G	.250		6010SG
1355SG+250	Chev S.B.	IN	2.100/.3415/5.160			PRV-2016+100	GM EX	AFR 1.600/8mm/5.010	
1451SG+400	Chev S.B.	IN	2.020/.3415/5.330			PRV-2014+100	GM IN	AFR 2.055/8mm/5.010	
1406SG	Chev 8.1BB	EX	1.750/3415/5.400			PRV-2015+100	GM IN	AFR 2.080/8mm/5.010	
PRV-2015	GM	IN	AFR 2.080/8mm/4.910			PRV-2016	GM EX	AFR 1.600/8mm/4.910	
PRV-2014	GM	IN	AFR 2.055/8mm/4.910			PRV-2017	GM IN	AFR 2.02/8mm/4.910 (5.010)	

SILVER LINE PREMIUM RACING SERIES - Our Best For Flow

(LS ENGINES INCLUDED)

PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH	PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH
SMALL BLOCK and LS engines						SMALL BLOCK with undercut stems cont.					
SL-1131	GM IN	LS7	2.205/.3135/5.140			SL-1185	EX	1.625	5.110	.3110	.250
SL-1137	GM EX	LS7	1.615/.3135/5.240			SL-1197	EX	1.625	5.250	.3110	.250
SL-1139	GM IN	L92	2.200/8mm/4.900			SL-1198	EX	1.625	5.010	.3110	.250
SL-1138	GM EX	LS9	1.600/.3135/4.939	Inconel		SL-1610	EX	1.600	5.110	.3415	.250
SL-1159	EX	1.600	5.060	.3110	.250	SL-1626	EX	1.500	5.010	.3415	.250
SL-1161 LS-1	EX	1.600	+0.070	8mm	.170	SL-1629	EX	1.500	4.960	.3415	.250
SL-1162 LS-1	IN	2.000	4.890	8mm	.170	SL-1632	EX Tulip	1.600	4.960	.3415	.250
SL-1167 LS-1	IN	2.055	+0.070	8mm	.170	SL-1668	IN	2.200	5.510	.3415	.250
SL-1168 LS-1	EX	1.600	4.920	8mm	.170	SL-1670	IN	2.080	5.110	.3415	.250
SL-1169 LS-1	EX	1.570	4.920	8mm	.170	SL-1673	IN	2.100	5.260	.3415	.290*
SL-1170 LS-1	IN	2.020	4.880	8mm	.170	SL-1675	IN	2.020	5.060	.3415	.250
SL-1171 LS-1	IN	1.600	5.010	.3110	.250	SL-1676	IN	2.055	5.060	.3415	.250
SL-1172 LS-1	IN	2.080	4.880	8mm	.170	SL-1677	IN	2.055	5.110	.3415	.250
SL-1164-S	IN	1.950	4.880	8mm	.170	SL-1679	IN	2.100	5.060	.3415	.250
SL-1199-S	IN	2.165	4.900	8mm	L92	SMALL BLOCK with straight stems					
SL-1200-S	IN	2.180	4.900	8mm	L92	SL-1680	EX	1.500	4.960	.3415	.250
SL-1173 LS-1	IN	2.100	4.880	8mm	.170	SL-1681	EX	1.500	5.010	.3415	.250
SL-1175 LS-1	IN	2.055	4.880	8mm	.170	SL-1682	EX	1.600	4.960	.3415	.250
SL-1178	IN	2.020	5.160	.3110	.250	SL-1683	EX	1.600	5.010	.3415	.250
SL-1180	EX	1.600	5.110	.3110	.250	SL-1684	IN	1.840	4.960	.3415	.250
SL-1181	IN	2.055	5.110	.3110	.250	SL-1686	IN	2.020	4.960	.3415	.250

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



CHEVROLET VALVES *continued*

SILVER LINE PREMIUM RACING SERIES - *Continued*

PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH
SMALL BLOCK with straight stems cont.					
SL-1687	IN	1.940	4.960	.3415	.250
SL-1688	IN	2.020	5.010	.3415	.250
SL-1689	IN	1.940	5.010	.3415	.250
SL-1690	IN	2.055	4.960	.3415	.250
SL-1691	IN	2.055	5.010	.3415	.250
SL-1697	EX	1.600	5.750	.3415	.290
SMALL BLOCK with undercut stems					
SL-1600	EX	1.600	4.960	.3415	.250
SL-1601	EX	1.625	4.960	.3415	.250
SL-1604	EX	1.600	5.010	.3415	.250
SL-1605	EX	1.625	5.010	.3415	.250
SL-1608	EX	1.600	5.060	.3415	.250
SL-1609	EX	1.625	5.060	.3415	.250
SL-1612	EX	1.600	5.160	.3415	.250
SL-1614	EX	1.625	5.160	.3415	.250
SL-1616	EX	1.600	5.300	.3415	.250
SL-1617	EX	1.625	5.300	.3415	.250
SL-1619	EX	1.600	5.410	.3415	.250
SL-1621	EX	1.625	5.410	.3415	.250
SL-1622	EX	1.600	5.510	.3415	.250
SL-1623	EX	1.625	5.510	.3415	.250
SL-1624	EX	1.650	5.410	.3415	.250
SL-1625	EX Tulip	1.600	5.010	.3415	.250
SL-1626	EX	1.500	5.010	.3415	.250
SL-1629	EX	1.500	4.960	.3415	.250
SL-1630	EX	1.600	5.725	.3415	.250
SL-1631	EX	1.570	4.960	.3415	.250
SL-1636	IN	2.020	4.960	.3415	.250
SL-1637	IN	1.940	4.960	.3415	.250
SL-1638	IN	2.055	4.960	.3415	.250
SL-1640	IN	2.020	5.010	.3415	.250
SL-1641	IN	1.940	5.010	.3415	.250
SL-1642	IN	2.055	5.010	.3415	.250
SL-1643	IN	2.080	5.010	.3415	.250
SL-1644	IN	2.100	5.010	.3415	.250
SL-1645	IN	2.125	5.010	.3415	.250
SL-1646	IN	2.080	4.960	.3415	.250
SL-1647	IN	2.100	4.960	.3415	.250
SL-1648	IN	2.125	4.960	.3415	.250
SL-1649	IN	2.080	5.060	.3415	.250
SL-1650	IN	2.125	5.060	.3415	.250
SL-1651	IN	2.055	5.160	.3415	.250
SL-1652	IN	2.080	5.160	.3415	.250
SL-1653	IN	2.125	5.160	.3415	.250
SL-1654	IN	2.080	5.275	.3415	.250

PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH
SMALL BLOCK with undercut stems cont.					
SL-1656	IN	2.150	5.300	.3415	.250
SL-1659	IN	2.125	5.410	.3415	.250
SL-1660	IN	2.150	5.410	.3415	.250
SL-1662	IN	2.200	5.410	.3415	.250
SL-1663	IN	2.150	5.725	.3415	.250
SL-1664	IN	2.000	4.960	.3415	.250
SL-1664	IN	2.000	4.960	.3415	.250
SL-1665	IN	2.150	5.510	.3415	.250
SL-1666	IN	2.125	5.300	.3415	.250
SL-1667	IN	2.100	5.110	.3415	.250
SL-1669	IN	2.125	5.510	.3415	.250
BIG BLOCK					
SL-1701	EX	1.880	5.355	.3715	.250
SL-1702	EX	1.900	5.400	.3715	.225
SL-1703	EX	1.940	5.400	.3715	.225
SL-1704	EX	1.880	5.400	.3715	.225
SL-1708	EX	1.880	5.450	.3415	.250
SL-1709	EX	1.900	5.425	.3415	.250
SL-1710	EX	1.900	5.475	.3415	.250
SL-1711	EX Tulip	1.890	5.425	.3715	.225
SL-1712	EX	1.940	5.425	.3415	.250
SL-1713	EX	1.880	5.425	.3415	.250
SL-1714	EX	1.880	5.540	.3415	.250
SL-1726	EX	1.900	5.525	.3715	.250
SL-1731	IN	2.190	5.275	.3715	.225
SL-1732	IN	2.250	5.275	.3715	.225
SL-1734	IN	2.300	5.350	.3715	.225
SL-1735	IN	2.250	5.350	.3715	.225
SL-1736	IN	2.300	5.475	.3715	.225
SL-1737	IN	2.190	5.300	.3415	.250
SL-1738	IN	2.250	5.300	.3415	.250
SL-1739	IN	2.300	5.350	.3415	.250
SL-1740	IN	2.300	5.450	.3415	.250
SL-1741	IN	2.300	5.500	.3415	.250
SL-1742	IN	2.250	5.375	.3415	.250
SL-1743	IN	2.300	5.560	.3415	.250
SL-1744	IN	2.325	5.500	.3415	.250
SL-1746	IN	2.350	5.620	.3415	.250
SL-1747	IN	2.250	5.500	.3415	.250
SL-1749	IN	2.250	5.620	.3415	.250
SL-1752	IN	2.300	5.620	.3415	.250
SL-1753	IN	2.325	5.625	.3415	.250
SL-1780	EX	1.890	5.400	.3715	.225
SL-1790	IN	2.190	5.300	.3715	.225
SL-1708-S	EX	1.880	5.355	.3415	.250

(X751) INCONEL VALVES - High Temp Applications / Turbo Motors / Nitrous Motors / Custom Sizes Available

PART NUMBER	TYPE	HEAD DIA.	O/L LENGTH	STEM DIA.	TIP LENGTH
SL-1150	EX	1.600	5.140	.310	.230
SL-1152	EX	1.625	5.510	.310	.230
SL-1190	EX	1.625	5.520	.341	.230
SL-1191	EX	1.600	5.140	.341	.230
SL-1193	EX	1.600	5.010	.341	.230
SL-1195	EX	1.600	5.275	.311	.230
SL-1717	EX	1.890	5.400	.3715	.225
SL-1136 LS7	EX	1.615	5.240	.3135	

PART NUMBER	TYPE	HEAD DIA.	O/L LENGTH	STEM DIA.	TIP LENGTH
SL-1718	EX	1.910	5.400	.3715	.225
SL-1720	EX	1.920	5.450	.3415	.250
SL-1721	EX	1.890	5.450	.3415	.250
SL-1722	EX	1.910	5.475	.3715	.250
SL-1723	EX	1.940	5.400	.3715	.250
SL-1727	EX	1.890	5.540	.3415	.250
SL-1728	EX	1.910	5.540	.3415	.250
SL-1158LS1	EX	1.600	4.930	.3135	

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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CHEVROLET VALVES *continued*

*TITANIUM RACING VALVES - *Custom order

HEAD	LENGTH	STEM	TIP	UNDERHEAD ANGLE	RADIUS	INSTALLED HEIGHT	PART NUMBER
SMALL BLOCK							
1.600"	5.040	.3415	.290	22°	1/2	+.100	TI 9210
1.600"	5.100	.3415	.290	22°	1/2	+.150	TI 9211
1.600"	5.140	.3415	.290	22°	1/2	+.200	TI 9212
1.600"	5.240	.3415	.290	22°	1/2	+.300	TI 9214
1.600"	5.340	.3415	.290	22°	1/2	+.400	TI 9215
1.600"	5.440	.3415	.290	22°	1/2	+.500	TI 9216
1.600"	5.540	.3415	.290	22°	1/2	+.600	TI 9217
1.600"	5.640	.3415	.290	22°	1/2	+.700	TI 9218
1.600"	5.740	.3415	.290	22°	1/2	+.800	TI 9219
1.600"	5.840	.3415	.290	22°	1/2	+.900	TI 9220
1.600"	5.100	.3415	.290	22°	1/2	+.150	TI 9221
1.625"	5.040	.3410	.290	22°	1/2	+.100	TI 9230
1.625"	5.100	.3410	.290	22°	1/2	+.150	TI 9231
1.625"	5.140	.3410	.290	22°	1/2	+.200	TI 9232
1.625"	5.240	.3410	.290	22°	1/2	+.300	TI 9233
1.625"	5.340	.3410	.290	22°	1/2	+.400	TI 9234
1.625"	5.440	.3410	.290	22°	1/2	+.500	TI 9235
1.625"	5.540	.3410	.290	22°	1/2	+.600	TI 9236
1.625"	5.640	.3410	.290	22°	1/2	+.700	TI 9237
1.625"	5.740	.3410	.290	22°	1/2	+.800	TI 9238
1.625"	5.840	.3410	.290	22°	1/2	+.900	TI 9239
1.650"	5.540	.3410	.290	22°	1/2	+.600	TI 9245
1.650"	5.640	.3410	.290	22°	1/2	+.700	TI 9246
1.650"	5.740	.3410	.290	22°	1/2	+.800	TI 9247
1.650"	5.840	.3410	.290	22°	1/2	+.900	TI 9248
2.055"	5.040	.3415	.290	10°	3/8	+.100	TI 8250
2.080"	5.040	.3415	.290	10°	3/8	+.100	TI 8252
2.080"	5.095	.3415	.290	10°	3/8	+.150	TI 8253
2.080"	5.140	.3415	.290	10°	3/8	+.200	TI 8254
2.100"	5.040	.3415	.290	10°	3/8	+.100	TI 8256
2.100"	5.140	.3415	.290	10°	3/8	+.150	TI 8257
2.100"	5.040	.3415	.290	10°	3/8	+.200	TI 8258
2.100"	5.240	.3415	.290	10°	3/8	+.300	TI 8259
2.100"	5.340	.3415	.290	10°	3/8	+.400	TI 8260
2.100"	5.440	.3415	.290	10°	3/8	+.500	TI 8261
2.125"	5.040	.3415	.290	10°	3/8	+.100	TI 8262
2.125"	5.095	.3415	.290	10°	3/8	+.150	TI 8263
2.125"	5.140	.3415	.290	10°	3/8	+.200	TI 8264
2.125"	5.240	.3415	.290	10°	3/8	+.300	TI 8265
2.125"	5.340	.3415	.290	10°	3/8	+.400	TI 8266
2.125"	5.440	.3415	.290	10°	3/8	+.500	TI 8267
2.125"	5.490	.3415	.290	10°	3/8	+.550	TI 8268
2.150"	5.140	.3415	.290	10°	3/8	+.200	TI 8269
2.150"	5.240	.3415	.290	10°	3/8	+.300	TI 8270
2.150"	5.340	.3415	.290	10°	3/8	+.400	TI 8271
2.150"	5.440	.3415	.290	12°	3/8	+.500	TI 8272
2.150"	5.540	.3415	.290	12°	3/8	+.600	TI 8273
2.150"	5.640	.3415	.290	12°	3/8	+.700	TI 8274
2.150"	5.740	.3415	.290	12°	3/8	+.800	TI 8275
2.150"	5.840	.3415	.290	12°	3/8	+.800	TI 8276
2.180"	5.440	.3415	.290	12°	3/8	+.900	TI 8277
2.180"	5.490	.3415	.290	12°	3/8	+.550	TI 8278
2.180"	5.590	.3415	.290	12°	3/8	+.600	TI 8279
2.180"	5.640	.3415	.290	12°	3/8	+.700	TI 8280
2.180"	5.740	.3415	.290	12°	3/8	+.800	TI 8281
2.180"	5.840	.3415	.290	12°	3/8	+.900	TI 8282
2.200"	5.440	.3415	.290	12°	3/8	+.500	TI 8283
2.200"	5.490	.3415	.290	12°	3/8	+.550	TI 8284
2.200"	5.540	.3415	.290	12°	3/8	+.600	TI 8285
2.200"	5.640	.3415	.290	12°	3/8	+.700	TI 8286
2.200"	5.740	.3415	.290	12°	3/8	+.800	TI 8287
2.200"	5.840	.3415	.290	12°	3/8	+.900	TI 8288
2.100"	5.340	.3415	.385	12°	3/8	Yates Head	TI 8290

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**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

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CHEVROLET VALVES continued

*TITANIUM RACING VALVES - Continued

HEAD	LENGTH	STEM	TIP	UNDERHEAD ANGLE	RADIUS	INSTALLED HEIGHT	PART NUMBER
SMALL BLOCK cont.							
2.135"	5.340	.3415	.385	12°	3/8	Yates Head	TI 82901
HEAD	LENGTH	STEM	TIP	UNDER HEAD ANGLE	RADIUS	APPLICATIONS	PART NUMBER
BIG BLOCK							
2.450"	6.600	.341	.250	12°	3/8	Intake Pontiac Pro Stock/Big Chief	TI 9301
2.300"	5.550	.341	.270	12°	3/8	Intake Dart 360, Brodix, Bowtie	TI 9302
2.350"	5.780	.341	.280	12°	3/8	Intake Ford Motorsport A-460 TFS	TI 9303
2.500"	7.500	.341	NKG	12°	3/8	Intake Blank	TI 9304
2.300"	6.000	.341	NKG	12°	3/8	Intake Blank	TI 9305
2.500"	7.500	.310	NKG	12°	3/8	Intake Blank	TI 9306
2.375"	5.600	.341	.250	25°	3/8	Intake Bae, Dart, Hemi	TI 9307
2.425"	5.610	.341	.250	25°	3/8	Intake Bae, Dart, Hemi	TI 9308
2.000"	7.500	.341	NKG	25°	3/8	Exhaust Blank	TI 9309
2.000"	5.045	.341	.250	25°	3/8	Exhaust Bae, Dart, Hemi	TI 9310
1.900"	6.450	.341	.270	25°	3/8	Exhaust Pontiac Pro Stock, Big Chief	TI 9311
1.940"	5.790	.341	.270	25°	3/8	Exhaust Ford Motorsport A-460 TFS	TI 9312

CHRYSLER VALVES (Dodge, Plymouth)

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
98 C.I.D. 4V	1.6	4	Mitsu	MD127840	MD127841X
121 C.I.D. 4V	2.0	4	Mitsu	MD127840	MD127841X
Neon DOHC	2.0	4	All	I-1730	E-1731
Neon SOHC	2.0	4	All	I-01741	E-01742
134 C.I.D.	2.2	4	1982-On	I-2003	E-2002
Eagle/Renault	2.2	4	All	I-101345	E-101355
Talon DOHC	2.0	4	1995-On	I-1730	E-1731
146 C.I.D. DOHC Neon	2.0	4 (16V)	2000-On	I-01991MG	E-01992MG
151 C.I.D.	2.5	4	All	I-2015	E-2014
159 C.I.D.	2.6	4	1980-85	I-2001	E-2000
159 C.I.D.	2.6	4	1985-On	MD083848	MD083851
164 C.I.D. DOHC	2.7	V6 (24V)	1998-On	I-01920	E-01921
170 C.I.D.	2.8	6	1960-69	I-2310	E-2309
183 C.I.D.	3.0	V-6	Chrysler	MD088811	MD088812X
184 C.I.D. 2V	3.0	V-6	Mitsu	MD88811	MD088812
184 C.I.D. 4V	3.0	V-6	Stealth	MD135479	MD135480
198 C.I.D.	3.2	6	1970-74	I-2310	E-2309
201 C.I.D.	3.3	V-6	All	I-2019	E-2018
214 C.I.D. 4V	3.3	V-6	All	I-2032	E-2033
Intrepid/LHS/Van/Truck	3.5	V-6	All	I-2032	E-2033
225 C.I.D.	3.7	6	All	I-2310	E-2309
238 C.I.D.	3.9 Magnum	V-6	1989-On	I-3954	E-2654
273 C.I.D.	4.5	V-8	1967-69	I-2506	E-2505
318 C.I.D.	5.2	V-8	1968-78	I-2506	E-2505
318 C.I.D.	5.2	V-8	1979-On	I-2506	E-3071
318 C.I.D.	5.2	V-8	Magnum	I-3954	E-2654
340 C.I.D.	5.5	V-8	1968-73	I-2819, I-2819 2GR	E-2678
340 C.I.D.	5.5	V-8	1968-71	I-2811 (2.02)	E-2678
360 C.I.D.	5.9	V-8	1971-80	I-2819	E-2678
360 C.I.D.	5.9	V-8	Magnum	I-3954	E-2654
361 C.I.D.	5.9	V-8	1961-73	I-2279	E-2243
383 C.I.D.	6.3	V-8	1959-67	I-2279	E-2243 (1.600)
383 C.I.D.	6.3	V-8	1968-71	I-2279	E-2665
400 C.I.D.	6.6	V-8	1972-78	I-2279	E-2665
413 C.I.D.	6.7	V-8	1965	I-2279	E-2243
426 C.I.D.	7.0	V-8	1965 Wedge	I-2279	E-2243
426 C.I.D.	7.1	V-8	Max Wedge	I-2279X	E-11833
440 C.I.D.	7.2	V-8	1967-78	I-2279	E-2665
440 C.I.D.	7.3	V-8	Magnum	I-11834	E-11833

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CHRYSLER VALVES continued

REPLACEMENT SERIES - Continued

E-10751	Chry/Dod EX 3.7/4.7 99-On
E-01992	Chry EX 2.0 SOHC 01-On MG
E-01994	Chry EXH 3.3 7mm 01-On
E-01995	Chry EX 2.4 DOHC PT 2002-On All
E-10135S	Chry/Ren EXH 2.2 Eagle
E-01917	Chry EX 2.5/4.0 6 Cyl 99-03 MG
E-01921	Chry EX 2.7 V6 DOHC 98-On
E-01905	Chry EX 3.3 V6 98-00 5.045 Long
E-4721	Dod/Cummins EX 5.9 24V

I-01901	Chry IN 3.5 24V 98-01 1.437HD
I-01904	Chry IN 3.3 V6 98-00 5.021 Long
I-01916	Chry IN 2.5/4.0 6 Cyl 99-03 MG
I-01920	Chry IN 2.7 V6 DOHC 98-On
I-01991	Chry IN 2.0 SOHC 01-On MG
I-01993	Chry IN 3.3 7mm 01-On
I-01996	Chry IN 2.4 DOHC PT 02-On All
I-10134S	Chry/Ren INT 2.2 Eagle
I-10750	Chry/Dod IN 3.7/4.7 99-On
I-4720	Dod/Cummins IN 5.9 24V

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	LENGTH	PART NUMBER
2.5/2.5 Turbo Exhaust 1.598 Head	4.500	SEV-2014
2.5/2.5 Turbo Exhaust (1mm OS Head) 1.638 Head	4.500	SEV-2014-1
2.5/2.5 Turbo Intake 1.399 Head	4.523	SEV-2015
2.5/2.5 Turbo Intake (1mm OS Head) 1.434 Head	4.523	SEV-2015-1
2.000 354/392 Chrysler Hemi Intake (3/8 Stem)	5.095	SEV-2189
1.745 354/392 Chrysler Hemi Exhaust (3/8 Stem)	5.060	SEV-2228
1.600 383 B.B. Exhaust	4.865	SEV-2243
2.080 B.B. Chrysler Intake (2 Groove)	4.864	SEV-2279
2.080 383/440 Chrysler Intake (Single Groove)	4.864	SEV-2279-SG
225 Slant 6 Exhaust 1.375 Head	4.643	SEV-2309
1.440 225 Slant 6 Exhaust	4.643	SEV-2309-S
225 Slant 6 Intake 1.625 Head	4.643	SEV-2310
1.700 225 Slant 6 Intake	4.643	SEV-2310-S
1.500 318 S.B. Exhaust	5.000	SEV-2505
1.780 318 S.B. Intake	5.000	SEV-2506
1.620 Dodge Magnum Exhaust (Also available .100 Long)	4.900	SEV-2654
1.740 B.B. Chrysler Exhaust Valve (Multi Groove)	4.884	SEV-2665
1.740 383/440 Chrysler Exhaust (Single Groove)	4.884	SEV-2665-SG
1.600 S.B. Chrysler Exhaust (Multi Groove)	5.000	SEV-2678
1.630 Chrysler 360 Exhaust	5.000	SEV-2678-30
1.600 340/360 Chrysler Exhaust (Single Groove)	5.000	SEV-2678-SG
2.020 S.B. Chrysler Intake Valve (4 Groove)	4.981	SEV-2811
2.080 Chrysler 360 Intake	5.000	SEV-2811-06
2.080 S.B. Chrysler 340/360 Intake (4 Groove)	5.000	SEV-2811-S
2.020 340/360 Chrysler Intake (Single Groove)	4.981	SEV-2811-SG
1.880 S.B. Chrysler Intake Multi Groove	4.981	SEV-2819-E
1.880 S.B. 360/.360 Intake 2GR	5.000	SEV-2819-2GR
1.970 318/360 Magnum Intake	4.900	SEV-3953
1.880 S.B. Chrysler Intake 1Groove .341 Stem	4.981	SEV-2819-SG-.341 STEM
1.920 Dodge Magnum Intake	4.900	SEV-3954
2.020 Dodge Magnum Intake (Also available .100 Long)	4.900	SEV-3954-S
2.055 Dodge Magnum Intake	4.900	SEV-3956
1.880 B.B. Chrysler Exhaust Valve	4.884	SEV-11833
1.940 331/354 Early Hemi	4.928	SEV-2188
1.740 331/354 Early Hemi	4.928	SEV-2229
1.880 S.B. Chrysler Intake (Single Groove)	4.981	SEV-2819SG
Neon SOHC Intake 1.309 Head	4.513	SEV-01741
Neon SOHC Intake (1mmOS Head) 1.349 Head	4.513	SEV-01741-1
Neon SOHC Exhaust STD 1.130 Head	4.614	SEV-01742
Neon SOHC Exhaust (1mmOS Head) 1.170 Head	4.614	SEV-01742-1
Neon DOHC Intake - also 1 Groove (SRT ALSO 1GR) 1.370 Head	4.399	SEV-1730
Neon DOHC Intake (1mmOS Head) - also 1 Groove ST1 (SRT ALSO 1GR)	4.399	SEV-1730-1
Neon DOHC Exhaust A420 1.201 Head	4.324	SEV-1731
Neon DOHC Exhaust (1mmOS Head) A420 1.240 Head	4.324	SEV-1731-1
2.0 / Neon / INT 2000-On MG SOHC 1.309 Head	4.513	SEV-01991
2.0 / Neon / INT 2000-On MG IMM SOHC 1.349 Head	4.513	SEV-01991-1
2.0 / Neon / EXH 2000-On MG SOHC 1.130 Head	4.614	SEV-01992
2.0 / Neon / EX 2000-On MG IMM SOHC 1.170 Head	4.614	SEV-01992-1
Eagle Talon Intake 1.6/2.0 6.5mm 1.340 Head	4.318	MD127840HP*
Eagle Talon Exhaust 1.6/2.0 1.221 Head	4.318	MD127841HP*

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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CHRYSLER VALVES continued

PORTFLOW SERIES - Continued

DESCRIPTION	LENGTH	PART NUMBER
Eagle Talon Exhaust 1.6/2.0 1.420 Head	4.318 (2mmOS Head)	MD127841H-S*
Eagle Talon Intake 1.6/2.0 1.380 Head	4.318 (1mmOS Head)	MD127840H1*
Eagle Talon Exhaust 1.6/2.0 1.261 Head	4.318 (1mmOS Head)	MD127841H1*
*(All Mitsubishi Available in Black Nitride Coating)		
SEV-01991 Chry IN 2.0 Neon SOHC MG 00-On	SEV-01996-1 Chry IN 2.4 PT 1mm OSH 02-On SRT4 MG	
SEV-01991-1 Chry INT 2.0 Neon 1mm OSH 00-On	SEV-3332J Chry 4.0 Jeep 6 Cyl 1.980	
SEV-01992 Chry EX 2.0 Neon SOHC MG 00-On	SEV-3333J Chry 4.0 Jeep 6 Cyl 1.560	
SEV-01992-1 Chry EXH 2.0 Neon 1mm OSH 00-On	SEV-3954+100 Dodge Magnum IN 1.920+100	
SEV-1731-S Chry EX Neon SRT4 1groove 29.5mm	SEV-3954S+100 Dodge Magnum IN 2.020+100	
SEV-1731-STD Chry EX Neon SRT4 1groove 28.5mm	SEV-3956+100 Dodge Magnum IN 2.055+100	
SEV-01995 Chry EX 2.4 PT 02-On Std HD SRT4 MG	SEV-2654+100 Dodge Magnum EX 1.620+100	
SEV-01995-1 Chry EX 2.4 PT 1mm OSH 02-On SRT4 MG	SEV-01993-1 Jeep 3.3 V6 IN 1mmOS	
SEV-01996 Chry IN 2.4 DOHC PT 02-On Std SRT4 MG	SEV-01994-1 Jeep 3.3 V6 EX 1mmOS	

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGTH	GROOVE TYPE	TIP LENGTH	BLACK KNIGHT	PART NUMBER
4/6 CYLINDER ENGINES									
<i>2.2 Non-Turbo only (2.5 see Portflow)</i>									
2.2 4 cylinder	EX	Stock	1.394	.3100	4.443	MG	.235		1853E
2.2 4 cylinder	EX	Stock	1.421	.3100	4.443	MG	.235		3504E
2.2 4 cylinder	EX	+ .080	1.448	.3100	4.614	1G	.330		3505E
2.2 4 cylinder	IN	Stock	1.598	.3100	4.428	1G	.330		1854E
2.2 4 cylinder	IN	Stock	1.637	.3100	4.428	1G	.330		3554E
2.2 4 cylinder	IN	+ .125	1.732	.3100	4.558	1G	.330		3555E
3.5 V6 (Prowler)	IN	Stock	1.485	.2740	4.567	1G	.160		3559E
3.5 V6 (Prowler)	EX	Stock	1.186	.2740	5.005	1G	.160		3560E
SMALL BLOCK									
<i>These valves are undercut for improved flow in stock and modified heads.</i>									
318-360 C.I.D.	EX	+ .150	1.600	.3715	5.075	1G	.220		3401E
318-360 C.I.D.	EX	+ .270	1.600	.3715	5.281	1G	.220		3402SG
318-360 C.I.D.	IN	+ .150	2.020	.3715	5.030	1G	.220		3451E
318-360 C.I.D.	IN	+ .150	2.090	.3715	5.030	1G	.220		3452E
318-360 C.I.D.	IN	+ .270	2.020	.3715	5.267	1G	.250		3453SG
318-360 C.I.D.	IN	+ .270	2.090	.3715	5.267	1G	.250		3454SG
318-360 C.I.D.	EX	Stock	1.600	.3715	5.000	1GR	.300		3510SG
318-360 C.I.D.	IN	Stock	2.020	.3715	5.000	1GR	.300		3511SG
BIG BLOCK (Legal for Super Stock use)									
392 (11/32 stem)	EX	Stock	1.950	.341	5.240	1G	.250		3055SG
392 (11/32 stem)	IN	Stock	2.125	.341	5.240	1G	.250		3056SG
426 Hemi	EX	Stock	1.940	.3100	4.915	1G	.250		3500SG
383-440	EX	Stock	1.810	.3715	4.913	1G	.295		3506E
426 Hemi	IN	Stock	2.250	.3090	5.415	1G	.300		3550SG
392 Hemi	IN	Stock	2.200	.3095	5.285	1G	.250		3553SG
383-440	IN	Stock	2.140	.3715	4.913	1G	.300		3556E
383-440	IN	Stock	2.080	.3715	4.870	1G	.300		3509E
383-440	IN	Stock	2.190	.3715	4.913	1G	.300		3556-S
BIG BLOCK (Reduced stem diameter for lighter weight)									
383-440	EX	Stock	1.810	.3415	4.915	1G	.300		3506E-.341
383-440	IN	Stock	2.140	.3415	4.915	1G	.300		3556E-.341
383-440	IN	Stock	2.190	.3415	4.915	1G	.300		3556S-.341
383-440	EX	Stock	1.880	.3415	4.915	1G	.300		3558E-.341
1274SG	Chry EX Bull/Indy 1.840/.3415/5.250								
1274SG-S	Chry EX 440 B1/Indy/Bull Dog 1.810/5.250								
1275SG	Chry IN Bull/Indy 2.190/.3415/5.250								
1275SG-S	Chry IN Bull/Indy 2.250/.3415/5.250								
E-4721 H-1	Dod/Cummins EX 5.9 1mmOS 4 Valve								
I-4720 H-1	Dod/Cummins IN 5.9 1mmOS 4 Valve								

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CHRYSLER VALVES continued

SILVER LINE PREMIUM RACING SERIES

PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH	PART NUMBER	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH
SL-1917	EX Hemi	1.740	5.050	.3715	Stock	SL-1616	EX U/C	1.600	5.300	.3415	.250
SL-1935	IN Hemi	2.000	5.100	.3715	Stock	SL-1919	EX	1.940	4.929	.3090	.250
SL-1900	EX U/C	1.810	4.910	.3715	.250	SL-1920	IN/EX	2.000	5.020	.3415	.250
SL-1902	EX	1.810	5.345	.3415	.250	SL-1921	EX U/C	1.600	5.275	.3715	.250
SL-1903	EX	1.780	5.060	.3415	.250	SL-1921	Nimonic	2.000	5.020	.3410	.250
SL-1905	IN U/C	2.140	4.875	.3715	.250	SL-1925	IN/EX	2.000	5.020	.3415	.250
SL-1911	IN Hemi	2.250	5.575	.3090	.250	SL-1939 B-1	IN	2.190	5.345	.3410	.250
SL-1912	IN	2.250	5.475	.3090	.250	SL-1940 B-1	IN	2.250	5.340	.3410	.250
SL-3001	Chry Early	IN	5.7 Hemi	2.02/8mm/4.935		SL-3013	Chry	IN	5.7 Late	2.050	
SL-3009	Chry Early	EX	5.7 Hemi	1.57/8mm/4.846		SL-3014	Chry	EX	5.7 Late	1.550	
SL-3002	Chry	IN	6.1 Hemi	2.100		SL-3015	Chry	IN	6.2/6.4	2.140	
SL-3010	Chry	EX	6.1 Hemi	1.625		SL-3016	Chry	EX	6.2/6.4	1.654	

CONTINENTAL VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
F135, F162, F163, F227, F245		4	All	I-2671	E-2670

COSWORTH/VEGA VALVES

PORTFLOW SERIES - Swirl Polished Stainless Steel

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
Vega 16V	2.0	4	All	1848	1847

DODGE TRUCK VALVES

REPLACEMENT SERIES - For Standard and Heavy Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
170 C.I.D.	2.8	6 Slant	1961-70	I-2310	E-2309
198 C.I.D.	3.2	6 Slant	1970-73	I-2310	E-2309
225 C.I.D.	3.7	6	All	I-2310	E-2309
Dakota Magnum	3.9	V-6	All	I-3954	E-2654
273 C.I.D.	4.5	V-8	1964-68	I-2506	E-2505
318 C.I.D.	5.2	V-8	1959-67	I-2311	E-2185
318 C.I.D.	5.2	V-8	1968-78	I-2506	E-2505
318 C.I.D.	5.2	V-8	1979-On	I-2506	E-3071MG
318 C.I.D.	5.2	V-8	1982-83	I-2506	E-3079DG
318 C.I.D. 4BBL	5.2	V-8	1982-On	I-2819-2GR	E-3071MG
318 C.I.D. 4BBL	5.2	V-8	1982-On	I-2819-2GR	E-3080 (1.616)
318 C.I.D.	5.2	Magnum	All Late	I-3954	E-2654
360 C.I.D.	5.9	V-8	1970-77	I-2819	E-2678
360	5.9	Magnum	All Late	I-3954	E-2654
360/3 Motorhome	5.9	V-8	1974-77	I-2819-2GR	E-2925 2GR
360	5.9	V-8	1979-83	I-2819	E-3080 2GR
361 C.I.D.	5.9	V-8	1960-77	I-2322	E-2866
383 C.I.D.	6.3	V-8	1963-68	I-2279	E-2243
383 C.I.D.	6.3	V-8	1969-71	I-2279	E-2665
400 C.I.D.	6.6	V-8	1972-79	I-2279	E-2665

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
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DODGE TRUCK VALVES

REPLACEMENT SERIES - Continued

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
413 C.I.D. Industrial	6.7	V-8	1960-77	I-2322	E-2866XS 7/16 Stem
440/3 Motorhome	7.2	V-8	1973-77	I-2279	E-2929 2GR
440 C.I.D.	7.2	V-8	1973-79	I-2279	E-2665

FERRARI VALVES

SWIRL-POLISHED PERFORMANCE VALVES (One-Piece Stainless Steel, Swirl Polished)

TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
512 Testarossa IN	Stock	28.3	7	108.4	Stock	4mm	F120476
512 Testarossa EX	Stock	25.3	7	109.7	Stock	4mm	F120477
308/328 4V IN	Stock	28.8	7	101.5	Stock	4mm	F131198
308/328 4V EX	Stock	25.8	7	104.1	Stock	4mm	F131199
355 EX	Stock	28.5	6	100.4	Stock	4mm	F157988
355 IN	Stock	26.5	6	98.4	Stock	4mm	F160921
348 IN	Stock	30.4	7	101.3	Stock	4mm	F137955
348 EX	Stock	27.3	7	103.2	Stock	4mm	F137959
166 EX	Stock	28.5	8	95.5	Stock	Stock	F-Type 1E
166 IN	Stock	3.0	8	95.5	Stock	Stock	F-Type 1I
212 EX	Stock	29.3	8	93	Stock	Stock	F-Type 2E
212 EX	Stock	3.4	8	95.2	Stock	Stock	F-Type 2I
308 2V IN	Stock	42	8	110.2	Stock	7.5mm	F103575
308 2V EX	Stock	36.6	8	109.4	Stock	7.5mm	F106553
F265 EX	Stock	34.3	8	110.8	Stock	7.5mm	F265E
512 Boxer IN	Stock	Stock	Stock	Stock	Stock	Stock	F-512-I
512 Boxer EX	Stock	Stock	Stock	Stock	Stock	Stock	F-512-E
330 IN	Stock	Stock	Stock	Stock	Stock	Stock	F-330-I
330 EX	Stock	Stock	Stock	Stock	Stock	Stock	F-330-E
365 IN	Stock	Stock	Stock	Stock	Stock	Stock	F-365-I
365 EX	Stock	Stock	Stock	Stock	Stock	Stock	F-365-E

* Please Contact Us For Ferrari Valves Not Listed Here.

FORD VALVES (Ford Truck, Mercury, Lincoln)

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
CAPRI					
122 C.I.D.	2.0	4	1971-74	I-2828	E-2827
140 C.I.D.	2.3	4	1974-78	I-2943	E-2942
COURIER					
98 C.I.D. Escort	1.6	4	1981-On	I-3137	E-3138
110 C.I.D.	1.8	4	1972-78	0290-12-111	0305-12-121
Escort GT	1.8	4	1990-4V	BPO5-12-111	BPO5-12-121X
Escort	1.9	4	All FI	I-3383	E-3480
122 C.I.D.	2.0	4	1979-80	0290-12-111	0305-12-121
			No FI	I-3137	E-3138
122 C.I.D. (SOHC)	2.0	4	1996-On	I-18720	E-19360
			1996 Only	I-18720	E-18730
Zetec (DOHC)	2.0	4	All	I-1745	E-1746
122 C.I.D.	2.0	4	1971-74	I-2828	E-2827
122 C.I.D. Ranger	2.0	4	1981-On	I-2006	E-2007
140 C.I.D. (incl. HSC)	2.3	4	1974-On	I-2943	E-2942
140 Late (7mm)	2.3	4	1996-On	I-01743	E-01744
Duratec 24V	2.5	V-6	1995-On	I-17280	E-17290
170 C.I.D.	2.8	6	1965-72	I-2531	E-2530
171 C.I.D.	2.8	V-6	1974-79	I-2899	E-2928
177 C.I.D.	2.9	V-6	1986-92	I-3489	E-2012

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
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FORD VALVES (Ford Truck, Mercury, Lincoln)

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
COURIER continued					
183 C.I.D. (Vulcan)	3.0	V-6	2000-On (7mm)	I-02046	E-02047
184 C.I.D.	3.0	V-6	All	I-3485	E-3484
184 C.I.D. (Modular)	3.0	V-6	1996-01	I-01787	E-01788
200 C.I.D.	3.2	6	1965-76	I-2531	E-2530
			1977-83	I-3007	E-2530
223 C.I.D.		6	1954-60	I-2056	E-2054
232 C.I.D.	3.8	V-6	1987-95	I-2011	E-2010
232 C.I.D. (7mm)	3.8	V-6	1997-On	I-01789	E-01791
232 Late (7mm)	3.8	V-6	1996 Only	I-01790	E-01791
240 C.I.D.	3.9	6	All	I-2533	E-3005
243 C.I.D.	4.0	V-6	All	I-2028	E-2027
244 SOHC	4.0	V-6	1998-On	I-01913	E-01914
250 C.I.D.	4.1	6	1965-76	I-2531	E-2530
			1977-83	I-3007	E-2530
255 C.I.D. (Late)	4.2	V-8	1997-On	I-01789	E-01791
255 C.I.D.	4.2	V-8	1980-On	I-3106	E-3011-NC
260 C.I.D.	4.3	V-8	1963-64	I-2457	E-2456
272 C.I.D.		V-8	1955-56	I-2056 (1.780)	E-2054
			1957-On	I-2227 (1.925)	E-2054
272/292 C.I.D.		V-8	Early	I-2372X (1.647)	E-2054
289 C.I.D.			1966-68	I-2564	E-2563
Modular 32V	4.6	V-8	All	I-17080	E-17090
Modular 16V	4.6	V-8	1999-On	I-2039-L	E-2037-L
Modular 16V	4.6	V-8	1992-98	I-2031	E-2030
289 C.I.D.	4.7	V-8	1963-64	I-2483	E-2456
292 C.I.D.	4.7	V-8	1955-56	I-2056 (1.780)	E-2054
			1957-62	I-2227 (1.925)	E-2054
				I-2372 (1.647)	E-2054
300 C.I.D.	4.9	6	1969-84	I-2533 (4.810)	E-3005 (4.810)
300 C.I.D.	4.9	6	1985-On	I-3006S (4.750)	E-3005S (4.750)
302 C.I.D.	5.0	V-8	1968-69	I-2564	E-2563
(4-BBL) Boss	5.0	V-8	1969-72	I-2807	E-2806
302 C.I.D.	5.0	V-8	1970-78	I-2696	E-2695
302 C.I.D.	5.0	V-8	1979-90	I-2985	E-3011-NC
302HO C.I.D.	5.0	V-8	1991-On	I-2985L	E-3487
				(4.940 Long)	(4.940 Long)
302 C.I.D.	5.0	V-8	Late	I-2985L	E-3487
				(4.940 Long)	(4.940 Long)
312 C.I.D.	5.1	V-8	1955-On	I-2056	E-2054
312 C.I.D.		8	1956	I-2056	E-2054
		V-8	1957	I-2227	E-2054
330 C.I.D. (Triton)	5.4	V-8	1997-99	I-2031	E-2030
330 C.I.D. (Triton)	5.4	V-8-V10	2000-On	I-2039-L	E-2037-L
330MD C.I.D.	5.4	V-8	1964-77	I-2486	E-2485
351M C.I.D.	5.7	V-8	1975-79	I-2816	E-2815
			1979	I-3082	E-3037
351W C.I.D.	5.7	V-8	1969-74	I-2833	E-2832
			1975-76	I-2985	E-2984
			1977-On	I-2985	E-3011-NC
351C C.I.D. 4-BBL	5.7	V-8	1970-On	I-2818	E-2817
351C C.I.D.			1970-On	I-2816	E-2815
351C C.I.D.			1973-On	I-2816	E-2815
352-360 C.I.D.	5.8	V-8	All	I-2348	E-2529
361 C.I.D.	5.9	V-8	1964-78	I-2486	E-3060XS
370 C.I.D.	6.0	V-8	1979-On	I-3067	E-3077 .410 Tip
370 C.I.D. 4-BBL	6.0	V-8	1979-On	I-3067	E-3081XS .315 Tip
390 C.I.D.	6.4	V-8	1962-On	I-2348	E-2529 (2003BK)
391 C.I.D.	6.4	V-8	1964-78	I-2488XS	E-3060XS (7/16)
400 C.I.D.	6.5	V-8	1971-77	I-2816 Multi GR	E-2815 Multi GR
			1978-79	I-3082 Single GR	E-3037 Single GR
420 C.I.D.	6.9	V-8	International	I-3304	E-3305 Diesel

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FORD VALVES continued

REPLACEMENT SERIES - Continued

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
COURIER continued					
428 C.I.D.	7.0	V-8	1966-68	I-2348	E-2529
			1968-70	I-2814	E-2416 (2001BK)
428 C.I.D. CJ	7.0	V-8	1968-70	I-2814	E-2416 (2001BK)
429 C.I.D. SCJ	7.0	V-8	1969-72	I-2822	E-2821
429 C.I.D.	7.0	V-8	1969-72	I-2673	E-2672
429 C.I.D. Truck	7.0	V-8	1979-On	I-3105 (2.060)	E-3070XS (1.670)
429 C.I.D. Truck	7.0	V-8	Late	I-2901L (1.970)	E-2900
444 C.I.D. (DI)	7.3	V-8	1994-On	I-1785	E-1786
445 C.I.D.	7.3	V-8	International	I-3304	E-3306
445 C.I.D. Direct Inj.	7.3	V-8	1994-On	I-1785	E-1786
460 C.I.D.	7.5	V-8	1973-On	I-2901 (2053 BK)	E-2900 (2010 BK) also 30°
460FI C.I.D.	7.7	V-8	1992-On	I-2901L (1.970)	E-2900 (2010BK) also 30°
477 C.I.D.		V-8	All	I-2298	E-2297XS
534 C.I.D.	8.7	V-8	All	I-2298	E-2297XS
E-01709	Ford EX 4.6 Modular 4V 93-On			I-01745	Ford EX Z-Tec 2.0
E-01729	Ford EX 2.5 Duratec 24V 95-On			I-02046	Ford IN 3.0 V6 Vulcan 7mm 00-On
E-01744	Ford Truck EX 2.3 95-On 7mm			I-1785	Ford IN DIE 7.3 Dir-Inj
E-01788	Ford EXH Modular V6 96-On			I-02046-30	Ford IN 3.0 v6 7mm 030 OSH
E-01791	Ford EX 3.8 96-On			I-02179	Ford IN 6.0 Powerstroke 32V
E-01873	Ford EX 2.0 SOHC Escort 96 Only			I-01913	Ford INT 4.0 SOHC 98-On Explr
E-01914-S	Ford EX 4.0 SOHC 98-On			I-01872	Ford IN 2.0 SOHC Escort 96-On
E-01936	Ford EXH 2.0 SOHC 97-On			I-01743	Ford Truck IN 2.3 7mm 95-On
E-02047	Ford EX 3.0 V6 Vulcan 7mm 00-On			I-01787	Ford INT Modular V6 96-On
E-02047-30	Ford EX 3.0 v6 7mm 030 OSH			I-01789	Ford IN 3.8 Dual Port 96-On
E-1746	Ford EXH Z-Tec 2.0			I-01790	Ford IN 3.8 96-On 7mm
E-1786	Ford EX Die 7.3 Dir-Inj 1.680			I-01728	Ford IN 2.5 Duratec 24V 95-On
E-4000	Ford EX V8 4.6 Modular 3V 05-On			I-01708	Ford IN 4.6 Modular 4v 93-On
E-02180	Ford EX 6.0 Powerstroke 32V			I-4001	Ford IN 4.6 V8 4.6 Modular 3V 05-On
E-4002	Ford 2.3 Late Duratec			I-4003	Ford/Maz IN 2.3 Duratec 03-On

PORTFLOW SERIES

DESCRIPTION	LENGTH	PART NUMBER
1.736 Ford 2300 Intake Multi Groove	4.757	2160E
2300 Intake 1.890 Multi Groove	4.757	2160ES
1.736 Ford 2300 Intake Multi Groove +50 Long	4.807	2160E+50
2300 Exhaust 1.590 2 Single Grooves	4.805	SEV-2.3-E
2300 Exhaust 1.500 2 Single Grooves	4.805	SEV-2.3ES
2300 Intake 1.890 2 Single Grooves	4.805	SEV-2.3-I
2300 Intake 1.750 2 Single Grooves	4.805	SEV-2.3-IS
4.0 Ford OHC Intake V6 (.5mmOS Head)	4.524	SEV-01913
4.0 Ford OHC Exhaust V6 (.5mmOS Head)	4.524	SEV-01914-S
2.0 Ford Zetec 4 Intake	3.823	SEV-1745
2.0 Ford Zetec 4 All (1mmOS Head) Intake	3.823	SEV-1745-1
2.0 Ford Zetec 4 Exhaust	3.801	SEV-1746
2.0 Ford Zetec 4 All (1mmOS Head) Exhaust	3.801	SEV-1746-1
4.6 Modular 32V V-8 All Intake 1.456 Head	5.337	SEV-17080 (also 5mmOS Head)
4.6 Modular 32V V-8 All Exhaust 1.181 Head	4.578	SEV-17090 (also 5mmOS Head)
4.0 OHV V-6 1990-97 Exhaust 1.712 Head	4.095	SEV-2027
4.0 OHV V-6 1990-97 Intake 1.358 Head	4.095	SEV-2028
4.6 Ford Modular V-8 1992-98 Exhaust, 1.356 Head	4.607	SEV-2030
4.6 Ford Modular V-8 1992-98 Exhaust, 1mmOS	4.607	SEV-2030-1
4.6 Ford Modular V-8 1992-98 Intake, 1mmOS	4.622	SEV-2031-1
4.6 Ford Modular V-8 1992-98 Intake, 1.752 Head	4.622	SEV-2031
292/312 Ford Exhaust 1.510	4.607	SEV-2054
292/312 Ford Intake 1.925	5.100	SEV-2227
2.030 B.B. 390 Ford Intake	5.450	SEV-2348
1.653 B.B. 428-CJ Ford Exhaust	5.435	SEV-2416-C
260/289 Exhaust 1.460 .250 Tip (Non-Rail)	4.870	SEV-2456
260/289 Intake 1.780 .250 Tip (Non-Rail)	4.870	SEV-2483
1.556 B.B. 390 Ford Exhaust	5.430	SEV-2529
200/250 Ford 6 Cyl. Exhaust, 1.500HD Exhaust/1.380HD	4.260	SEV-2530-S (also 1.380)

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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FORD VALVES continued

PORTFLOW SERIES

DESCRIPTION	LENGTH	PART NUMBER
240/300 Ford Intake Early, 1.940 Intake	4.810	SEV-2533
1.450 S.B. 289 Ford Exhaust .350 Tip	4.870	SEV-2563
1.540 S.B. 289 Ford Exhaust .350 Tip	4.870	SEV-2563-S
1.840 S.B. 289 Ford Intake .350 Tip	4.870	SEV-2564-S
1.653 B.B. 1969-72 429 Ford Exhaust	5.085	SEV-2672
2.083 B.B. 1969-72 429 Ford Intake	5.292	SEV-2673
2.190 B.B. Ford 429 Police Intake	5.292	SEV-2673-S
2.083 B.B. 1969-72 429 Ford Intake	5.292	SEV-2673
1.725 B.B. Ford 429 Police Exhaust	5.085	SEV-2672-S
1.540 S.B. Ford 302 Late Exhaust .485 Tip	5.070	SEV-2695-S
1.780 S.B. 1969-79 Ford 302 Intake .485 Tip	5.070	SEV-2696
1.840 S.B. Ford 302 Late Intake .485 Tip	5.070	SEV-2696-S
1.710 S.B. 302/351 Ford Exhaust (Single Groove)	5.060	SEV-2806
351C 4BBL Exhaust 1.710 .100 Long (Single Groove)	5.160	SEV-2806+100
2.190 S.B. 302/351C Ford Intake (Single Groove)	5.234	SEV-2807
351C 4BBL Intake 2.190 .100 Long (Single Groove)	5.334	SEV-2807+100
1.710 S.B. 351C/CJ Ford Exhaust (Multi Groove)	5.055	SEV-2817-C
2.190 S.B. 351C/CJ Ford Intake (Multi Groove)	5.234	SEV-2818-E
1.418 Exhaust 2.0 Pinto	4.376	SEV-2827
1.653 Intake 2.0 Pinto	4.376	SEV-2828
1.540 S.B. 351W Ford Exhaust .400 Tip	5.075	SEV-2832
1.500 S.B. 302/351W Exhaust .400 Tip	5.070	SEV-2832-S
1.840 S.B. 351W Ford Intake Early .400 Tip	5.070	SEV-2833-C
1.653 B.B. 1973-On 460 Ford Exhaust	4.983	SEV-2900
460 Exhaust 1.750	4.983	SEV-2900-S
2.083 B.B. 1973-On 460 Ford Intake	5.204	SEV-2901
460 Intake 2.250	5.204	SEV-2901-S
460 1973-On Exhaust 1.725	4.978	SEV-2903
460 1973-On Intake 2.190	5.185	SEV-2904
2.093 BB 428CJ/SCJ Int 30°	5.450	SEV-2814
2.093 BB 428CJ/SCJ Int 45°	5.450	SEV-2814-45
1.500 Ford 2300 Exhaust (Multi Groove)	4.757	SEV-2942
2300 Exhaust 1.590 Multi Groove	4.757	SEV-2942-S
1.500 Ford 2300 Exhaust Multi Groove +50 Long	4.807	SEV-2942+50
1.460 S.B. 302/351W Exhaust .400 Tip	5.070	SEV-2984
1.600 S.B. 1970-On 302-351W Ex (.400 Tip for Stk. Rckrs)	5.070	PRV-2051
1.780 1980-On Ford 302 Intake .400 Tip	5.070	SEV-2985
1.780 Intake 302 Late HO Lincoln Only	4.940	SEV-2985L
1.900 Intake 302 Late HO Lincoln Only	4.940	SEV-2985L-S
1.900 S.B. 1970-On 302-351W In. (.400 Tip for Stk. Rckrs)	5.070	PRV-2050
302/351 Intake 1.940 w/.400 Tip for Stock Rockers	5.070	SEV-2986
302/351 Intake 2.020 w/.400 Tip for Stock Rockers	5.070	SEV-2987
240/300 Ford Exhaust Early, 1.600 Exhaust	4.810	SEV-3005
300 Ford Late, 1.600 Exhaust	4.750	SEV-3005-S
300 Ford Late, 1.940 Exhaust	4.750	SEV-3006-S
200/250 Ford Intake, 1.800HD	4.260	SEV-3008
200/250 Ford Intake, 1.840HD	4.260	SEV-3008-S
200/250 Ford 6 Cyl Intake, 1.760HD Intake	4.260	SEV-3007-S
1.460 1980-On Ford 302 (no cap) Exhaust .485 Tip	5.070	SEV-3011-NC
302/351 EXH 1.600HD .485Tip	5.070	SEV-3011-NC-S
1.656 S.B. 351C/400M Ford Exhaust (Single Groove)	5.053	SEV-3037
1.656 S.B. Ford 351M/400 Exhaust +.100 Long	5.160	SEV-3037+100
2.041 S.B. 351C/400M Ford Intake (Single Groove)	5.238	SEV-3082
3.0 OHV V6 Exhaust 8mm	4.615	SEV-3484
3.0 OHV V6 Intake 8mm	4.615	SEV-3485
1.460 Exhaust 302 Late HO	4.940	SEV-3487L
1.600 Exhaust 302 Late HO	4.940	SEV-3487L-S
427/428CJ Intake 2.150 Tulip Head 30°	5.450	SEV-427TP-S

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FORD VALVES continued

PORTFLOW SERIES - Continued

SEV-3484	FORD EX 3.0 V6 OHV VULCAN89-On	SEV-02046	FORD IN 3.0 V6 7mm 00-On .5mmOSH
SEV-3485	FORD IN 3.0 V6 OHV VULCAN89-On	SEV-02047	FORD EX 3.0V6 7mm 00-On, 5mmOSH
SEV-3489	FORD EX 2.9 V6 86-92	SEV-01743-1	FORD IN 2.3 95-ON 7mm 1mmOSH
SEV-2027	FORD EXH 4.0 V-6 HI/PO	SEV-01744-1	FORD IX 2.3 95-ON 7mm 1mmOSH
SEV-2028	FORD INT 4.0 V-6 HI/PO	SEV-01789	FORD IN 3.8 V6 96-04 1.860HD
SEV-2054	FORD EX 272/312 1.510 HD 56-60	SEV-01789-1	FORD IN 3.8 V6 96-04 1mm 1.900
SEV-2056	FORD INT 292/312 1.780HD	SEV-01789-1+100	FORD IN 3.8 V6 96-04 1.900+100
SEV-1745	FORD IN Z-TEC 1.260 HD STD	SEV-01790	FORD IN 3.8 V6 96-99 1.782HD
SEV-1745-1	FORD IN Z-TEC 1.300 HD 1mmOS	SEV-01791	FORD EX 3.8 V6 96-04 1.460HD
SEV-1746	FORD EX Z-TEC 1.102 HD STD	SEV-01791-1	FORD EX 3.8 V6 96-04 1mm 1.500
SEV-1746-1	FORD EX Z-TEC 1.142 HD 1mmOS	SEV-01791-1+100	FORD EX 3.8 V6 96-04 1.500+100
SEV-2010-1	FORD EXH 3.8 V6 EARLY 1.500HD	SEV-4002 HN-1	FORD EX 2.3 Duratec 1mm OS, 5.5mm Stem
SEV-2011-1	FORD IN 3.8 V6 EARLY 1.840HD	SEV-4003 HN-1	FORD IN 2.3 Duratec 1mm OS, 5.5mm Stem
SEV-2012	FORD EX 2.9V6 86-92		

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGTH	GROOVE TYPE	TIP LENGTH	BLACK KNIGHT	PART NUMBER
SMALL BLOCK									
351C C.I.D.	EX	STOCK	1.710	.3415	5.065	1G	.220		2101E
351C C.I.D.	EX	STOCK	1.880	.3415	5.073	1G	.250		2101E-S
2000cc Pinto	EX	STOCK	1.500	.3150	4.352	MG	.200		SEV-2.0-E
351C C.I.D.	EX	STOCK	1.800	.3415	5.073	1G	.350		2106SG-S
351C C.I.D.	IN	STOCK	2.190	.3415	5.218	1G	.220	2151SGB	2151SG
351C C.I.D.	IN	STOCK	2.250	.3415	5.218	1G	.220		1652SG
2300cc	EX	STOCK	1.500	.3415	4.757	MG	STOCK		SEV-2942
2300cc	EX	+100	1.500	.3415	4.857	MG	STOCK		SEV-2942+100
2000cc Pinto	IN	STOCK	1.750	.3150	4.375	MG	.200		SEV-2.0-I
2300cc	IN	Stock	1.736	.3415	4.757	MG	Stock		2160E
2300cc	IN	+50	1.740	.3415	4.807	MG	Stock		2160E+50
2300cc	IN	Stock	1.890	.3415	4.757	MG	Stock		2160E-S
2300cc	IN	+100	1.736	.3415	4.857	MG	Stock		2161E
2300cc	EX	+100	1.590	.3415	4.850	1G	.550		2170SG
2300cc	IN	+100	1.890	.3415	4.850	1G	.550		2171SG
2300cc	EX	+100	1.590	.3415	4.850	1G	.400		2172SG
2300cc	IN	+100	1.890	.3415	4.850	1G	.400		2173SG
2300cc	IN	+100	1.840	.3415	4.860	1G	.400		2174SG
2300cc	EX	Stock	1.590	.3415	4.757	MG	Stock		SEV-2942-S
2300cc	EX	+50	1.500	.3415	4.807	MG	Stock		SEV-2942+50
BIG BLOCK									
429-SCJ-SVO	IN	Stock	2.250	.3415	5.275	1G	.250		1652SG+50
429-SCJ-SVO	IN	+75	2.250	.3415	5.350	1G	.250		1652SGBR
429-CJ	EX	Stock	1.880	.3415	5.073	1G	.250		2101E-S
429-CJ	EX	Stock	1.745	.3415	5.073	1G	.350	2106SGB	2106SG
429-CJ	EX	+100	1.745	.3415	5.173	1G	.350		2106SG+100
429-CJ	EX	Stock	1.800	.3415	5.073	1G	.350		2106SG-S
428-CJ	EX	Stock	1.655	.3701	5.435	1G	.320		2107SG
427 Med. Hi-Riser	EX	Stock	1.750	.3705	5.450	1G	.320		2108SG
427-TP	EX	Stock	1.725	.3715	5.450	1G	.320		2109SG
429-CJ 45° Seat	IN	Stock	2.245	.3415	5.450	1G	.295		2157SG-45
429-CJ	IN	Stock	2.245	.3415	5.288	1G	.295	2157SGB	2157SG
429-CJ	IN	+100	2.245	.3415	5.388	1G	.295		2157SG+100
428-CJ	IN	Stock	2.093	.3715	5.449	1G	.320		2158SG
428 SCJ (45°)	IN	Stock	2.093	.3715	5.449	1G	.320		2158SG-45°
427 Med. Hi-Riser	IN	Stock	2.250	.3710	5.446	1G	.320		2162SG
427-TP	IN	Stock	2.190	.3715	5.446	1G	.320		2163SG
429-SCJ-SVO	EX	Stock	1.750	.3415	5.073	1G	.250		2164SG
429-SCJ-SVO	EX	+100	1.750	.3415	5.173	1G	.250		2164SG+100
427/428-CJ (45°)	IN	Stock	2.190	.3715	5.449	1G	.320		1278SG
429-SCJ-SVO	EX	Stock	1.800	.3415	5.073	1G	.250		2164SG-S°

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material
 (add -X to part number)

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FORD VALVES continued

COMPETITION SERIES - Continued

2186SG	Ford IN BB 2.093/3415/5.450/45 FE	1469E	Ford IN Mod 1.788 1mmOS 16V 4.6
2187SG	Ford EX BB 1.655/3415/5.450/45 FE	1470E	Ford EX Mod 1.453 1mmOS 16V 4.6
2187SG-S	Ford BB EX 1.725/.3415/5.450 FE	1469E-S	Ford IN Mod 1.840 2mmOS 16V Patriot 4.6
2188SG	Ford IN BB 2.250/3415/5.450/45 FE	1471E	Ford IN Mod 1.765 .5mmOS 16V 4.6
2188SG-S	Ford BB IN 2.190/3415/5450/45D FE	1481E	Ford EX Boss 6.2 2V 011-On
2189SG	Ford EX BB 1.750/3415/5.450/45 FE	1481E-S	Ford IN Boss 6.2 2V .5mmOS 011-On
1563SG	Ford EX 1.600/8mm/4.910 AFR	1482E	Ford EX 6.2 2V 011-On
1564SG	Ford IN 1.900/8mm/4.910 AFR	1482E-S	Ford EX 6.2 2V .5mmOS 011-On
1565SG	Ford IN 2.020/8mm/4.910 AFR	1483E	Ford EX Coyote 5.0 4V 011-On
1480E-S	Ford EX 4.6 3V.5mmOSH 05-On	1483E-S	Ford EX Coyote 5.0 4V .5mmOS 011-On
1480E-STD	Ford EX 4.6 3V 05-On 37.5mm/6	1484E	Ford IN Coyote 5.0 4V 011-On
1472E	Ford EX Mod 1.430 .5mmOS 16V 4.6	1484E-S	Ford IN Coyote 5.0 4V .5mmOS 011-On
1473E	Ford IN 4.6 Mod 32V 1.475 .5mm	1563SG	SB Afr Ford EX 1.600/8mm/4.910
1474E	Ford EX 4.6 Mod 32V 1.200 .5mm	1564SG	SB Afr Ford IN 1.900/8mm/4.910
1477E	Ford EX 5.4 Modular 32V 03-On	1565SG	SB Afr Ford IN 2.02/8mm/4.910
1478E	Ford IN 5.4 Modular 32V 03-On	E-02180 H-1	Ford EX 6.0 32V V8 1mmOS Diesel
1479E-S	Ford IN 4.6 3V .5mmOSH 05-On	I-02179 H-1	Ford IN 6.0 32V V8 1mmOS Diesel
1479E-STD	Ford IN 4.6 3V 05-On 34mm/6mm	1311SG	Ford Model "A" IN 1.800
1278SG-S	Ford BB IN 2.150 No-TLP 45deg 428SCJ/FE	1310SG	Ford Model "A" EX 1.700
1279SG	Ford IN BB2.250 No TUL 45deg 428SCJ/FE	1308SG	Ford Flathead V8 1.500
1278SG	Ford B.B.2.190 No - TLP 45 .250 428SCJ/FE	1309SG	Ford Flathead V8 1.600

SILVER LINE PREMIUM RACING SERIES - Our Best For Flow

APPLICATION	TYPE	HEAD DIAMETER	O/L LENGTH	STEM DIAMETER	TIP LENGTH
SL-1654	IN U/C	2.080	5.275	.3415	.250
SL-1737	IN U/C	2.190	5.220	.3415	.250
SL-1738	IN U/C	2.250	5.300	.3415	.250
SL-1742	IN U/C	2.250	5.375	.3415	.250
SL-1800	IN U/C	1.850	5.075	.3415	.395
SL-1801	IN	1.940	5.075	.3415	.395
SL-1805	IN	1.940	5.030	.3415	.325
SL-1806	IN	2.020	5.030	.3415	.325
SL-1809	EX U/C	1.550	5.075	.3415	.395
SL-1810	EX U/C	1.600	5.030	.3415	.325
SL-1811	EX U/C	1.600	5.075	.3415	.395
SL-1814	IN	2.041	5.218	.3415	.250
SL-1815	EX U/C	1.650	5.060	.3415	.250
SL-1816	EX U/C	1.710	5.060	.3415	.250
SL-1817	EX U/C	1.800	5.060	.3415	.250
SL-1818	EX U/C	1.880	5.200	.3415	.250
SL-1819	EX U/C	1.880	5.060	.3415	.250
SL-1820	EX U/C	1.880	5.700	.3415	.250
SL-1821	EX U/C	1.940	5.700	.3415	.250
SL-1822	EX U/C	1.750	5.060	.3415	.250
SL-1830	EX U/C	2.350	5.755	.3415	.250
SL-1831	IN U/C	2.100	5.075	.3415	.395
SL-1833	IN	2.400	6.335	.3415	.350
SL-1839	EX	1.900	6.200	.3415	.315
SL-1840	IN	2.090	5.450	.3715	.320
SL-1840-45°	IN	2.093 45° Angle	5.450	.3715	.320
SL-1842	IN	2.190	5.450	.3715	.320
SL-1843	IN	2.250	5.450	.3715	.320
SL-1844	IN Boss	2.280	5.600	.3715	.320
SL-1845	IN SOHC (427)	2.250	5.600	.3715	.320
SL-1850	EX	1.750	5.450	.3715	.320
SL-1851	EX	1.656	5.450	.3715	.320
SL-1852	EX Boss	1.900	5.670	.3715	Stock
SL-7843	EX (SHO)	31MM	Stock	6MM	Stock
SL-7845	IN (SHO)	36MM	Stock	6MM	Stock
SL-1899	Ford IN 4.6 PI 2V	46.79MM	Stock	7MM	Stock

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HARLEY DAVIDSON M/C VALVES

P - Swirl Polished N - OEM Type Black Nitride XN - Swirl Polished w/Black Nitride * - New Indian ** Also Fits Buell

VALVES

DESCRIPTION	YEAR	HEAD SIZE	PART NUMBER
EX Sportster	1970-Up	1-9/16	P18080-58A N18080-58A 18080-58AXN
EX Sportster	1970-Up	1-5/8	P18080-60R N18080-60R 18080-60RXN
EX Sportster	1970-Up	1-3/4	P18080-70R N18080-70R 18080-70RXN
IN Sportster	1970-Up	1-15/16	P18070-70 N18070-70 18070-70XN
EX Sportster	1958-69	1-9/16	P18080-58A N18080-58A 18080-58AXN
IN Sportster	1958-69	1-13/16	P18070-58 N18070-58 18070-58XN
EX Shovel Head	1966-Up	1-3/4	P18082-57 N18082-57 18082-57XN
IN Shovel Head	1966-Up	1-15/16	P18074-66 N18074-66
IN Shovel Head (Oversized)		2.000	N-18074-660S 18074-66XN
EX Pan Head	1948-65	1-3/4	P18082-57 N18082-57 18082-57XN
IN Pan Head	1948-65	1.750	P18071-48 N18071-48 18071-48XN

DESCRIPTION	YEAR	HEAD SIZE	PART NUMBER
EX Evolution* (also fits new Indian)	1983-Up	1.615	P18082-83** N18082-83 18082-83XN
IN Evolution* (also fits new Indian)	1983-Up	1.850	P18074-83** N18074-83 18074-83XN
EX Evolution	All	1.700	HD-111-CS
IN Evolution	1983-Up	1.940	HD-113X
IN Evolution		1.900	HD-113-XS HD-113-XN
EX Knuckle Head	1937-48	1-3/4	P18071-36 N18071-36 18071-36XN
IN Knuckle Head	1937-48	1-3/4	P18071-36 N18071-36 18071-36XN
EX Evolution	All	1.565	P18085-99
EX Flathead 45	1932-Up	1-5/8	HD45I
IN Flathead 45	1932-Up	1-5/8	HD45E
EX Flathead 80	1932-Up	1-59/64	HD80E
IN Flathead 80	1932-Up	1-59/64	HD80I
EX Evolution		1.700	HD-126-C .030 Short HD-126-XN .030 Short
IN Evolution		1.940 Tulip	HD-127 .030 Short HD-127-XN .030 Short
EX Evolution	Branch Flow	1.615	HD-BF-EV1
IN Evolution	Branch Flow	1.850	HD-BF-EV2
EX Late EVO	7mm	1.615	HD129-C multi groove
IN Late EVO	7mm	1.900	HD130-C multi groove
EX M8 Late	6mm	34mm	HD131
IN M8 Late	6mm	42mm	HD132

SILVER LINE PREMIUM RACING SERIES - Our Best For Flow (*Available in black nitride coating -B)

DESCRIPTION	YEAR	HEAD SIZE	PART NUMBER
1.625	All	EVO	SL-06* -B
1.615	All	EVO	SL-61* -B
1.900	All	EVO	SL-65* -B

DESCRIPTION	YEAR	HEAD SIZE	PART NUMBER
1.940	All	EVO	SL-66* -B
1.940	All	Shovel	SL-67* -B
2.000	All	EVO	SL-69* -B

HONDA/ACURA VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
Accord	1976-78	EFI	1599cc	14711-689-000	1976- 14721-657-671 1977- 14721-657-672 1978- 14721-654-673
Accord	1979-80	EKI	1751cc	14711-689-000	1979- 14721-676-641 1980- 14721-PB2-000
Accord	1981	EKI	1751cc	14711-PB2-000	14721-PB2-000
Accord	1982-83	EKI	1751cc	14711-PC1-000	14721-PC1-000
Accord	1984-85	ES2, ES3	1829cc	(D-30) 14711-PC6-000 (D-26) 14711-PD4-000	14721-PH1-000
Accord	1986-89	BS, A20A1, 3	1955cc	14711-PC6-000	14721-PH1-000
Accord-Coupe	1988-89	BS, A20A1, 3	1955cc	14711-PC6-000	14721-PH1-000
Accord	1991-On	22A	2200cc	14711-PT3A00	14721-POJA00
Accord (1.260HD)	1994-95 Only	F22		2.2 14711-PT1260	14721-POJA00
Accord Prelude	1990-91	B21A	2100cc	14711-PR3000	14721-PR3111
Accord Prelude	1992-On	H23A1		2.3 14711-PT2000	14721-PT2000
Accord Prelude GSR	1992-On	V22	VTec DOHC	2.2 14711-PR8000	14721-PR8000
Acura Integra	All	B184A	1800cc	14711-PR4000	14721-PH3000
Acura Integra	1986-89	B16A1	4V DOHC	1.6 14711-PG6000	14721-PG6000
Acura Integra (GSR, DELSOL)	1992-On	VTEC	1800cc	14711-PR7000H	14721-PR7000H
Civic	1992-On	VTEC	1600cc	14711-PR6000H	14721-PR6000H

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
****If you don't find your application listed, please contact your salesperson.
We add new items regularly.



HONDA/ACURA VALVES continued

REPLACEMENT SERIES - Continued

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER		EXHAUST PART NUMBER
Civic	1993-On	D15Z	1500cc	14711-PZ2000		14721-PZ2000
Civic 1200	1973	EBl	1169cc	14711-611-000		14721-611-000
Civic 1200	1974-77	EB2	1238cc	14711-611-000		14721-611-000
Civic 1200	1978-79	EB3	1238cc	14711-634-921		14721-634-671
Civic 1300	1980-83	EJ1	1335cc	14711-671-003	1980-81	14721-657-003
				14711-PA6-000	1982-83	14721-PA6-000
Civic 1300	1984-87	EV1, D13A2	1342cc	14711-PE0-660		14721-PE0-660
Civic 1500	1980-83	EMI	1488cc	14711-671-003	1980-81	14721-657-003
Civic 1500				14711-PA6-000	1982-83	14721-PA6-000
Civic 1500	1984-87	EW1, D15A2	1488cc	14711-PE0-000		14721-PE0-000
Civic 1500Si	1986-87	EW3&4, D15A3	1488cc	14711-PE0-000		14721-PE7-000
Civic CVCC 1500	1975	EDI	1488cc	14711-611-000		14721-611-000
Civic CVCC 1500	1976-77	ED3	1488cc	14711-611-000	1976	14721-657-671
				14711-671-003	1977	14721-657-672
Civic CVCC 1500	1978-79	ED3	1488cc	14711-671-003		14721-657-673
Civic CVCC Wagon	1975	ED2	1488cc	14711-611-000		14721-611-000
Civic CVCC Wagon	1976-77	ED4	1488cc	14711-611-000	1976	14721-657-671
				14711-671-003	1977	14721-657-672
Civic CVCC Wagon	1978-79	ED4	1488cc	14711-671-003		14721-657-673
Civic	1988-89	D15B1	1493cc	14711-PM3-000		14721-PM3-000
Civic DX	1988-89	D15B2	1493cc	14711-PM3-000		14721-PM3-000
Civic LX	1988-89	D15B2	1493cc	14711-PM3-000		14721-PM3-000
Civic SOHC	1992-On	D15Z1	1493cc	14711-PZ2000		14721-PZ2000
Civic SOHC	1993 Only	D15Z1	1493cc	14711-PM3000		14721-PM3000
CRX 1300	1984-85	D13A2	1342cc	14711-PE0-660		14721-PE0-660
CRX 1500DX	1984-87	EW1	1488cc	14711-PE0-000		14721-PE0-000
CRX 1500HF	1985-87	EW1-D15A2	1488cc	14711-PE0-660		14721-PE0-660
CRX 1500HF	1988-89	D15B6	1493cc	14711-PM3-000		14721-PM3-000
CRX-DX	1988-89	D15B2	1493cc	14711-PM3-000		14721-PM3-000
CRX-Si	1985-87	EW3&4, D15A3	1488cc	14711-PE0-000		14721-PE7-000
CRX-Si	1988-89	D16A6	1590cc	14711-PM3-000		14721-PM3-000
Prelude	1979-80	EKI	1751cc	14711-689-000	1979	14721-676-641
				14711-PB2-000	1980	14721-PB2-000
Prelude	1981	EKI	1751cc	14711-PB2-000		14721-PB2-000
Prelude	1982	EKI	1751cc	14711-PC1-000		14721-PC1-000
Prelude	1983	ESI	1829cc	14711-PC6-000		14721-PH1-000
Prelude	1984-87	ET2, A18A1	1829cc	14711-PC6-000		14721-PH1-000
Prelude Si	1985-87	BT, A20A3	1955cc	14711-PC6-000		14721-PH1-000
Prelude S	1988-89	B20A3	1958cc	14711-PC6-000		14721-PH1-000
Prelude SE, Si	1988-89	B20A5	1958cc	14711-PH3-000		14721-PH3000
Prelude	All	H23AI	2300cc	14711-PT2000		14721-PT2000
Wagon	1984-87	EW1, D15A2	1488cc	14711-PE0-000		14721-PE0-000
Wagon	1988-89	D15B2	1493cc	14711-PM3-000		14721-PM3-000
Wagovan	1984-87	EW1, D15A2	1488cc	14711-PE0-000		14721-PE0-000
Wagovan	1988-89	D15B2	1493cc	14711-PM3-000		14721-PM3-000
Wagon 4WD	1984-87	EW1, D15A2	1488cc	14711-PE0-000		14721-PE0-000
4WD	1988-89	D16A6	1590cc	14711-PM3-000		14721-PM3-000

I-10742 Acura IN B18A/B 96-01 LS

14711-POA000 Hon IN 2.2 SOHC V-Tec

14711-PR6000 Hon IN D16ZCIV/V-Tec SOHC 92-98

14711-PR8000 Hon IN 2.2 DOHC V-Tec 94-99

14711-PRBA00 Hon IN 2.0/2.4 Accord Late K20

14721-POA000 Hon EX 2.2 SOHC V-Tec

14721-PR6000 Hon EX D16Z CIV/V-Tec SOHC 92-98

14721-PR8000 Hon EX 2.2 DOHC V-Tec 94-99

14721-PRBA00 Hon EX 2.0/2.4 Accord Late K20

SWIRL-POLISHED PERFORMANCE VALVES (*Available with black nitride coating) (Specs in MM) Stainless Steel, Stellite Tips, Chromed Stems, F - Flat Face

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
Accord/Prelude (2.2 DOHC VTec) H22	IN	Stock	35.6mm (.5mmOS)	5.5	106.6	1GR	Stock	14711-PR8000H
Accord/Prelude (2.2 DOHC VTec) H22	EX	Stock	30.7mm (.5mmOS)	5.5	107.1	1GR	Stock	14721-PR8000H
Accord/Prelude (2.2 DOHC VTec) H22	IN	Stock	36.1mm (1mmOS)	5.5	106.6	1GR	Stock	14711-PR8000H-1

**Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)*

***Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)*

****Black nitride coating is available on many part number (add -N to part number)*

*****If you don't find your application listed, please contact your salesperson.*

We add new items regularly.



HONDA/ACURA VALVES continued

SWIRL-POLISHED PERFORMANCE VALVES - Continued

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
Accord/Prelude (2.2 DOHC VTec) H22	EX	Stock	31.2mm (1mmOS)	5.5	107.1	1GR	Stock	14721-PR8000H-1
Accord/Prelude (2.2 SOHC)	EX	Stock	29mm	5.5	123.5	1GR	Stock	14721-POJA00H
Accord/Prelude (2.2 SOHC)	IN	Stock	34mm	5.5	112.0	1GR	Stock	14711-PT3A00H
Accord/Prelude 2.3	IN	Stock	34mm	6.5	103.6	1GR	Stock	14711-PT2000H
Accord/Prelude 2.3	EX	Stock	29mm	6.5	102.7	1GR	Stock	14721-PT2000H
Acura/Integra (.5MM OS Head)	IN	Stock	31.5mm	6.5	105.7	1GR	Stock	14711-PR9000H
Acura/Integra (.5MM OS Head)	EX	Stock	28.5mm	6.5	105.7	1GR	Stock	14721-PR9000H
Acura/Integra D18	IN	Stock	31mm	6.5	105.7	1GR	Stock	14711-PR4000H
Non V-Tec	EX	Stock	28mm	6.5	105.7	1GR	Stock	14721-PH3000H
Acura/Integra D16	IN	Stock	30mm	6.5	105.7	1GR	Stock	14711-PG6000H
Non V-Tec	EX	Stock	27mm	6.5	105.7	1GR	Stock	14721-PG6000H
Acura/Integra V-Tec (GSR-DELSOL)	IN	Stock	33mm	5.5	102.5	1GR	Stock	14711-PR7000H*
Acura/Integra V-Tec (GSR-DELSOL)	EX	Stock	28mm	5.5	102.5	1GR	Stock	14721-PR7000H*
Acura/Integra V-Tec (1mm OS)	IN	Stock	34mm	5.5	102.5	1GR	Stock	14711-PR7-1HP
Acura/Integra V-Tec (1mm OS)	EX	Stock	29mm	5.5	102.5	1GR	Stock	14721-PR7-1HP
Acura/Integra V-Tec (Flat Faced)	IN	Stock	33mm	5.5	102.5	1GR	Stock	14711-PR7HFN*
Acura/Integra V-Tec (Flat Faced)	EX	Stock	28mm	5.5	102.5	1GR	Stock	14721-PR7HFN*
Acura/Integra V-Tec (.5mm Oversize Head)	IN	Stock	33.5mm	5.5	102.5	1GR	Stock	14711-PR5000H*
Acura/Integra V-Tec (.5mm Oversize Head)	EX	Stock	28.5mm	5.5	102.5	1GR	Stock	14721-PR5000H*
Acura/Integra V-Tec (Flat Faced)	IN	Stock	33.5mm	5.5	102.5	1GR	Stock	14711-PR5000HF
Acura/Integra V-Tec (Flat Faced)	EX	Stock	28.5mm	5.5	102.5	1GR	Stock	14721-PR5000HF
Acura/Integra V-Tec (Flat Faced)	IN	Stock	33mm	5.5	102.5	1GR	Stock	14711-PR5HFN*
Acura/Integra V-Tec (Flat Faced)	EX	Stock	28.5mm	5.5	102.5	1GR	Stock	14721-PR5HFN*
Acura/Integra V-Tec (Flat Faced)	IN	Stock	33mm	5.5	102.5	1GR	Stock	14711-PR7000HF
Acura/Integra V-Tec (Flat Faced)	EX	Stock	28mm	5.5	102.5	1GR	Stock	14721-PR7000HF
Honda Civic 1500 3V (Non SI) Ex	IN	Stock	27mm	6.5	112.7	1GR	Stock	14711-PE0000H
Honda Civic 1500 3V (SI) Ex	EX	Stock	32mm	6.5	113.8	1GR	Stock	14721-PE0000H
Honda Civic SI 1600 4V	IN	Stock	33mm	6.5	113.8	1GR	Stock	14721-PE7000H
Honda Civic SI 1600 4V	EX	Stock	29mm	5.5	115.1	1GR	Stock	14711-PM3000H
Honda Civic SI 1600 4V (1mm OS Head)	EX	Stock	25mm	5.5	118.8	1GR	Stock	14721-PM3000H
Honda Civic SI 1600 4V (1mm OS Head)	IN	Stock	30mm	5.5	115.1	1GR	Stock	14711-PM3000H-1
Honda Civic V-Tec Late	EX	Stock	26mm	5.5	118.8	1GR	Stock	14721-PM3000H-1
Honda Civic V-Tec Late (1mm OS Head)	IN	Stock	30mm	5.5	118.5	1GR	Stock	14711-PR6000H
Honda Civic V-Tec Late (1mm OS Head)	EX	Stock	26mm	5.5	116.0	1GR	Stock	14721-PR6000H
Honda Civic V-Tec Late (1mm OS Head)	EX	Stock	27mm	5.5	116.0	1GR	Stock	14721-PR6-1HP
Honda Civic V-Tec Late (1mm OS Head)	IN	Stock	31mm	5.5	118.5	1GR	Stock	14711-PR6-1HP
Prelude 2.0 B20A5	IN	Stock	33mm	6.5	105.7	1GR	Stock	14711-PH3000H
Prelude 2.0 B20A5	EX	Stock	28mm	6.5	105.7	1GR	Stock	14721-PH3000H
Prelude 2.2 V-Tec SOHC	IN	Stock	34mm	5.5	116.0	1GR	Stock	14711-POA000H
Prelude 2.2 V-Tec SOHC (also 2.3 V-Tec) 2.2 V-Tec	EX	Stock	29mm	5.5	114.2	1GR	Stock	14721-POA000H
S2000/K20C	IN	Stock	1mmOS	5.5	110.0	1GR	Stock	SL-7835N
S2000/K20C	IN	Stock	36mm	5.5	110.0	1GR	Stock	SL-7835N-STD
S2000/K20C	EX	Stock	1mmOS	5.5	110.0	1GR	Stock	SL-7837N
S2000/K20C	EX	Stock	31mm	5.5	109.5	1GR	Stock	SL-7837N-STD
RSX 2.0/2.4	EX	Stock	30mm	5.5	109.0	1GR	Stock	SL-7769-STD
RSX 2.0/2.4	EX	Stock	.5mmOS	5.5	109.0	1GR	Stock	SL-7769S
RSX 2.0/2.4	EX	Stock	1mmOS	5.5	109.0	1GR	Stock	SL-7769S-1
RSX 2.0/2.4	IN	Stock	35mm	5.5	109.5	1GR	Stock	SL-7768-STD
RSX 2.0/2.4	IN	Stock	.5mmOS	5.5	109.5	1GR	Stock	SL-7768S
RSX 2.0/2.4	IN	Stock	1mmOS	5.5	109.5	1GR	Stock	SL-7768S-1
Accord/Prelude H22	IN	Stock	35.1mm STD	5.5	106.6	1GR	Stock	14711PR1000HFN
Accord/Prelude H22	EX	Stock	30.2mm STD	5.5	107.1	1GR	Stock	14721PR1000HFN
Accord/Prelude 2.3	IN	Stock	1mmOS	6.5	103.6	1GR	Stock	14711-PT2000H-1
Accord/Prelude 2.3	EX	Stock	1mmOS	6.5	102.7	1GR	Stock	14721-PT2000H-1
Acura/Integra LS 1.8	IN	Stock	1mmOS	6.5	105.7	1GR	Stock	14711PR4HFN-1
Acura/Integra LS 1.8	EX	Stock	1mmOS	6.5	105.7	1GR	Stock	14721PH3HFN-1

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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 We add new items regularly.



HONDA SMALL ENGINES (CARTS, ETC.)*

R-2	Hon	GX200	IN	25mm	Std/Big EXH
R-3	Hon	GX200	IN	27mm/5.5 2mm	OSH
R-4	Hon	GX200	IN	28.5/5.5 3.5mm	OSH
R-5	Hon	GX390	EX	31mm/6.5	Std HD
R-6	Hon	GX390	IN	35mm/6.5	Std HD
R-7	Hon	GX200	EX	24mm	
R-8	Hon	GX200	IN	32mm/5.5mm Stem	
R-9	Hon	GX200	EX	28mm/5.5mm Stem	

R-10	Hon	GX390	IN	40mm/6.5mm Stem	
R-11	Hon	GX390	EX	33mm/6.5mm Stem	
R-12	Hon	GX200	EX	24mm/5.5mm Stem	Std GR
R-13	Hon	GX200	IN	25mm/5.5mm Stem	Std GR
R-14	Hon	GX200/Predator 2.750	IN	32mm	
R-15	Hon	GX200/Predator 2.750	IE	28mm	
R-16	Hon	GX200/Predator 2.750	EX	25mm	
R-17	Hon	GX200/Predator 2.750	IN	28.5mm	

* Please Inquire About Aluminum Retainers For Honda Small Engines.

HONDA MOTORCYCLE VALVES

SILVER LINE SERIES VALVES - Swirl-Polished Stainless Steel

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
CB 900 / CBX 1050					
23.0mm	88.55mm	5.50mm	4.35mm	EX	SL-15
27.5mm	90.50mm	5.50mm	4.35mm	IN	SL-18
28.5mm IN	86.90mm	4.50mm	1.00mm	CBR900R	SL-50
26.5mm IN	79.30mm	4.00mm	1.00mm	CBR600	SL-52

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
24.0mm EX	86.90mm	4.50mm	1.00mm	CBR900	SL-56
23.0mm EX	79.20mm	4.00mm	1.00mm	CBR600	SL-58
22.0mm EX	79.30mm	4.00mm	1.00mm	CBR600	SL-153
25.5mm IN	79.20mm	4.00mm	1.00mm	CBR600	SL-156

HYUNDAI/KIA VALVES - See Mitsubishi Section

INDIAN MOTORCYCLE VALVES

COMPETITION SERIES - Swirl-Polished Stainless Steel. (For new Indian see Harley Davidson EVO)

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
Stock	Stock	Stock	Stock	EX	E-42547

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
Stock	Stock	Stock	Stock	IN	I-42545

INTERNATIONAL HARVESTER VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
4-152 / 4-152T		4	All	I-2303	E-2302XS
4-196		4	All	I-2667	E-2666XS
444 C.I.D. (DI)	7.3	V8	94-On	I-1785	E-1786
V304 / V304A		8	All	I-2303	E-2302XS
V345 / V345A		8	All	I-2303	E-2302XS
V392		8	All	I-2667	E-2666XS
V401 / VS401 / V461		8	All	I-2933X	E-2932XS
MV404		8	All	I-3022X	E-3015XS
MV466		8	All	I-3022X	E-3015XS

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
DT466		6	All	I-3053	E-3052XS
V478 / VS478		8	All	I-2933X	E-2932XS
V537		8	All	I-3024X	E-3023XS
V549 / VS549 / FTV549		8	All	I-2933X	E-2932XS
VFTVS549					
V605		8	All	I-3024X	E-3023XS
Navistar	9.0	6	All	I-3101	E-3100
6.9-7.3 Ford		8	All	I-3304	E-3305

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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ISUZU VALVES

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
Amigo	1989	4ZD1	2254cc	8-94153-969-0	8-94251-276-0
Amigo	1989	4ZE1	2559cc	8-94447-025-0	8-94447-026-0
I-Mark	1981-85	G180-Z	1817cc	8-94217-178-0	8-94217-179-0
I-Mark	1988-89	4XE1	1588cc	8-94325-529-0	8-94325-530-0
Impulse	1983-87	G200Z	1949cc	8-94205-977-0	8-94200-743-0
Impulse Turbo	1985-89	4ZC1	1994cc	8-94251-275-0	8-94251-440-0
Impulse	1988-89	4ZD1	2254cc	8-94174-222-1	8-94174-223-1
Pickup	1981-82	G-180-Z	1817cc	8-94217-178-0	8-94217-179-0
Pickup	1983-87	G-200Z	1949cc	8-94217-178-0	8-94217-179-0
Pickup	1986-89	4ZD1	2254cc	8-94153-969-0	8-94251-276-0
Pickup	1988-89	4ZE1	2559cc	8-94447-025-0	8-94447-026-0
Rodeo/Trooper	1992-95	6 VDI	3165cc V-6	I-10504S	E-10505S
Rodeo/Trooper	1997-On	6 VDI	3165cc V-6	I-10502S	E-10503S
Rodeo/Trooper	1998-On	DOHC	3507cc V-6	I-10739S	E-01740
Trooper	1998-On	DOHC	2.2	I-3478	E-3477X
Trooper II	1984-85	G-200Z	1949cc	8-94217-178-0	8-94217-179-0
Trooper II	1986-87	4ZD1	2254cc	8-94153-969-0	8-94251-276-0
Trooper II	1988-89	4ZE1	2559cc	8-94447-025-0	8-94447-026-0
Trooper II	1989	V6	2800cc	8-14031-328-0	8-14031-332-0

SWIRL POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
ISUZU / CHEVY								
'89-'93 Turbo 1.6	EX	Stock	Stock	Stock	Stock	Stock	Stock	8-94325-5291
'89-'93 Turbo 1.6	IN	Stock	Stock	Stock	Stock	Stock	Stock	8-94325-5300
G180, G1802-1800-2000	EX	Stock	33.9mm	.3135	4.366	1G	Stock	15001E
G180, G1802-1800-2000	IN	Stock	41.3mm	.3135	4.311	1G	Stock	15002E
8-94325-5291H	Isuzu IN 1.6 89-93(No TRB) Dish							8-94325-5301H Isuzu EX 1.6 89-93(No TRB) Dish
8-94325-5291HF	Isuzu IN 1.6 TRBO 89-93 Flat F							8-94325-5301HF Isuzu EX 1.6 TRBO 89-03-Flat F
SEV-3477-1	Trooper 2.2 EX 1mmOS							SEV-3478-1 Trooper 2.2 IN 1mmOS

JAGUAR VALVES

REPLACEMENT SERIES - Also Available in Racing Style

MODEL	YEAR	LITER	CYLINDER	INTAKE PART NUMBER	HEAD	EXHAUST PART NUMBER
XJ6	All	3.8-4.2	6	I-1569 (no FI)	1.875HD	E-1571 1.625HD
				I-1570 (no FI)	1.750HD	E-1571 1.625HD
				I-1568 (FI)	1.875HD	E-1571 1.625HD

PORTFLOW SERIES - Swirl-Polished Stainless Steel

DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER	DESCRIPTION	HEAD SIZE	LENGTH	PART NUMBER
Jaguar XJ6 Intake	1.875	4.206	SEV-1568	Jaguar XJ6 Exhaust	1.625	4.078	SEV-1571
Jaguar XJ6 Intake	1.750	4.172	SEV-1570	Jaguar XJ6 Intake (no FI)	1.875	4.172	SEV-1569

JEEP VALVES (Eagle, Chrysler*) - *See Chrysler For Racing Valves

REPLACEMENT SERIES - For Standard and Heavy-Duty Use - * Racing Valves See Chrysler

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER	APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
150 C.I.D.	2.5	4	1985-87	I-2024	E-2023	304 C.I.D.	5.0	V-8	1971-80	I-2910	E-2909
	2.5	4	1987-On	I-3332-RndGr	E-3333	343 C.I.D.		V-8	All	I-2662	E-2661
	2.5	4	(Early GM)	I-3063	E-3062	350 C.I.D.	5.7	V-8	1968-71	I-2669	E-2668
232 C.I.D.	3.8	6	1974-78	I-2910	E-2909	360 C.I.D.	5.9	V-8	1971-72	I-2662	E-2813
243 C.I.D.	4.0	6	Late	I-3332	E-3333				1973-83	I-2912	E-2907
258 C.I.D.	4.2	6	1971-72	I-2605SG	E-2604SG						E-2911
			1973-80	I-2910MG	E-2909MG	401 C.I.D.	6.6	V-8	1974-78	I-2912	E-2907
258 C.I.D.	4.2	6	1981-87	I-2606SG	E-2604SG						E-2911
225 C.I.D	3.7/4.7	8	All	I-10750	E-10751	243 C.I.D	4.0		1999-03	I-01916	E-01917MG

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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KAWASAKI MOTORCYCLE VALVES

SILVER LINE SERIES VALVES

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER	HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
J MODEL GPZ						ZX 1100					
38.50mm	90.50mm	7.00mm	4.80mm	IN	SL-10	32.50mm	89.31mm	5.00mm	1.00mm	EX	SL-19
37.50mm	92.00mm	7.00mm	5.00mm	IN	SL-11	27.50mm	88.90mm	5.00mm	1.00mm	IN	SL-23
31.00mm	90.00mm	7.00mm	5.00mm	EX	SL-21						
32.00mm	89.30mm	7.00mm	4.90mm	EX	SL-22						

SILVER LINE SERIES VALVES

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER	HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
KZ 900-1000						Ninja 900/1000					
31mm		7.00mm	STOCK	EX	KAW900-E	26.00mm	87.17mm	5.50mm	2.30mm	EX	SL-29
37.5mm		7.00mm	STOCK	IN	KAW900-I						
33.00mm	89.50mm	7.00mm	4.90mm	J/JPZ EX	SL-08	22.00mm	92.00mm	4.00mm	1.70mm	ZX6E EX	SL-152
30.50mm	92.10mm	4.50mm	1.20mm	ZX7 IN	SL-16	26.00mm	91.40mm	4.00mm	1.70mm	ZX6R IN	SL-154
29.00mm	92.10mm	4.50mm	1.20mm	ZX7 IN	SL-17	22.65mm	98.35mm	4.00mm	1.70mm	ZX6R EX	SL-155
26.00mm	92.20mm	4.50mm	1.20mm	ZX9 EX	SL-26	26.00mm	91.40mm	4.00mm	1.70mm	ZX6E IN	SL-157
25.00mm	92.20mm	4.50mm	1.20mm	ZX9 EX	SL-27	31.00mm	94.50mm	4.50mm	1.00mm	ZX9 IN	SL-177
30.50mm	89.15mm	5.50mm	2.40mm	IN	SL-28					98-On	
				Ninja 900/1000		27.00mm	93.00mm	4.50mm	1.00mm	ZX9 EX	SL-178
										98-On	

MAZDA VALVES

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
323	1986-94	B6, A, B, E, CE	1597cc	B630-12-111	B630-12-121
323 Wagon	1986-94	B6	1597cc	B630-12-111	B630-12-121
Miata, 4V	1988-90	B6C	1597cc (DOHC)	B659-12-111	B659-12-121B
Miata, 4V	1990-On	BPD	1839cc (DOHC)	BP05-12-111	BP05-12-121X
616	1970-77	NA	1586cc	0290-12-111C	0305-12-121A
626	1979-80	MA	1970cc	0290-12-111C	1979 0305-12-121A
					1980 8173-12-121
626	1981-82	MA	1970cc	0290-12-111C	1981 0305-12-121A
Protege	1990-94	BP05, 06	1839cc (DOHC)	BP05-12-111	BP05-12-121X
Protege 16V	1990-On	BP012	1800cc (SOHC)	I-010232	E-010233
Protege 16V	1992-93	B6C	1600cc (DOHC)	I-010512	E-010513
626	1983-85	FE	1998cc	F801-12-111	F801-12-121
626	1986-87	FE	1998cc	F801-12-111A	F801-12-121
626 Turbo	1986-87	FE	1998cc	F801-12-111A	F801-12-121
626	1988	F2	2184cc	F201-12-111	F201-12-121A
626 Turbo	1988	F2	2184cc	F201-12-111	F201-12-121A
808	1970-77	NA	1586cc	0290-12-111C	0305-12-121A
808	1976-78	TC	1272cc	0324-12-111A	0488-12-121A
929 (6)	1988-89	JE	2954cc	JE01-12-111	JE06-12-121A
929	All	JE27	2.7	JE27-5E47	JE27-5E48
B-1600 Pickup	1970-77	NA	1586cc	0290-12-111C	0305-12-121A
B-1800 Pickup	1977-78	VB	1797cc	0290-12-111C	0305-12-121A
B-2000 Pickup	1979-80	MA	1970cc (626)	0290-12-111C	0305-12-121
			(626)		1980 8173-12-121
B-2000 Pickup	1981-84	MA	1970cc	0290-12-111C	1981 0305-12-121A
					1982-84 HE19-12-121
B-2000 Pickup	1986-87	FE	1998cc	F801-12-111A	F801-12-121
B-2200 Pickup	1987-89	F2	2184cc	F801-12-111A	F801-12-121
B-2600 Pickup	1989	G6	2606cc	G601-12-111	G601-12-121
GLC	1976-78	TC	1272cc	0324-12-111A	0488-12-121A
GLC	1979	UC	1415cc	0324-12-111A	0488-12-121A
GLC Wagon	1979	UC	1415cc	0324-12-111A	0488-12-121A
GLC	1980	UC	1415cc	0324-12-111A	D303-12-121
GLC Wagon	1980	UC	1415cc	0324-12-111A	D303-12-121
GLC Wagon RWD	1981-83	E5	1490cc	0324-12-111A	(0488-12-121A)
					D303-12-121

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

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MAZDA VALVES continued

REPLACEMENT SERIES - Continued

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
GLC FWD	1981-85	E5	1490cc	0324-12-111A	(0488-12-121A) D303-12-121
Mizer	1976-78	TC	1272cc	0324-12-111A	0488-12-121A
MPV	1989	G6	2606cc	G601-12-111	G601-12-121
MPV (6)	1989	JE	2954cc	JE01-12-111	JE06-12-121A
MX6	1988	F2	2184cc	F201-12-111	F201-12-121A
MX6 Turbo	1988	F2	2184cc	F201-12-111	F201-12-121A
I-10788-S	Mazda IN Miata 1.8 DOHC 99-On			JE06-12-111	Mazda IN 3.0 JE V6 89-On
E-10789-S	Mazda EX Miata 1.8 DOHC 99-On			JE06-12-121A	Mazda EX 3.0 JE V6 89-On
I-10232	Mazda IN 1.8 BP012 16V SOHC 90-On			E-10233	Mazda EX 1.8 BP012 16V SOHC 90-On
I-10512	Mazda IN 1.6 B6C SOHC 91-93 1.161			E-10513	Mazda EX 1.6 B6C SOHC 91-93 .927

REPLACEMENT SERIES - Swirl-Polished Stainless Steel

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
380	Late	3.8-Only	8 Cyl	I-MB380	E-MB380
190E-2V	Late	1.9/2.3	4 Cyl	I-T26160	E-T2655

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
MAZDA / FORD								
VC, VB, MA 1800-2000	EX	Stock	33.0mm	.3135	4.216	1G	Stock	16001E
VC, VB, MA 1800-2000	IN	Stock	43.0mm	.3135	4.280	1G	Stock	16002E
Miata 1.6 4V	IN	Stock	Stock	Stock	Stock	Stock	Stock	B659-12-111HP
Miata 1.6 4V	IN	Stock	1MM OS	Stock	Stock	1G	Stock	B659-12-111H-1
Miata 1.6 4V	EX	Stock	Stock	Stock	Stock	Stock	Stock	B659-12-121HP
Miata 1.6 4V	EX	Stock	1MM OS	Stock	Stock	1G	Stock	B659-12-121H-1
Miata 1.8 4V	IN	Stock	Stock	Stock	Stock	Stock	Stock	BP05-12-111HP
Miata 1.8 4V	IN	Stock	1MM OS	Stock	Stock	1G	Stock	BP05-12-111H-1
Miata 1.8 4V	EX	Stock	Stock	Stock	Stock	Stock	Stock	BP05-12-121HP
Miata 1.8 4V	EX	Stock	1MM OS	Stock	Stock	1G	Stock	BP05-12-121H-1
E-10789SH-1	Mazda EX Miata 1.8 1mmOSH	99-On				I-10788SH-1	Mazda IN Miata 1.8 1mmOSH	99-On
E-10789SH	Mazda EX Miata 1.8 Std	99-On				I-10788-SH	Mazda IN Miata 1.8 Std	99-On

MG/AUSTIN VALVES (British Leyland / Land Rover)

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
MGB/GT	1961-80	1.8	1800cc	I-34351	E-34352
			(Swirl Polished)	SEV-34351/SEV-34401 (1.625)	SEV-34352 (Polished)
*Mini Cooper(Racing)	1961-98	4 Cyl	1275cc (Polished)	I-34355 (1.335)	E-34354 (1.160) (Polished)
			(Polished)	I-34356 (1.401)	

*NEW Mini see BMW

I-42459	Land Rover	IN	4.0	V8	86-ON	E-42548	Land Rover	EX	V8	4.0/4.2	86-ON
I-425250	Land Rover	Freelander	IN	6 Cyl	2000-ON	E-425251	Land Rover	Freelander	EX	6 Cyl	2000-ON

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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MITSUBISHI VALVES (Hyundai / Kia/Daewoo)

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.		INTAKE PART NUMBER		EXHAUST PART NUMBER
3000GT/Diamante	All	4G672 4V	3000cc		MD135479	DOHC	MD135480
Cordia	1983-4/84	G62B	1795cc	12/80	MD040791	12/82	MD020589
				1/83	MD070691	1/83	MD070693
Cordia	5/84-88	G62B	1795cc		MD070691		MD070693
Cordia	1984-4/84	G63B	1997cc	12/82	MD040791	12/82	MD020589
				1/83	MD070691	1/83	MD070693
Cordia	5/84-88	G63B	1997cc		MD070691		MD070693
Cordia Turbo	1984-5/85	G62B	1795cc		MD070691		MD070693
Cordia Turbo	6/85-88	G62B	1795cc		MD070691		MD070693
Eclipse	1990-On	4G37	1755cc		MD069806		MD069807
Eclipse DOHC	1990-On	4G63	1997cc		MD127840		MD127841X
Eclipse Turbo	1990-On	4G63	1997cc		MD127840		MD127841X
Eclipse Non-Turbo	1995-On	DOHC (Neon)	2.0	420A	I-1730		E-1731
Expo/LRV	1993-On	4G93	1.8		MD10498		MD10499
Galant 2V	1985-87	G64B, 4G64	2350cc		MD085253		MD085254
Galant/Pick-Up/Expo 4V	1985-On	4G64	2.4		MD105340		MD105350X
Galant (6)	1988-89	6G72	2972cc		MD088811		MD088812
Galant SOHC	1989	4G63	1997cc		MD070691		MD070693
Galant DOHC	1989	4G63	1997cc		MD127840		MD127841
Mirage	1985-88	G15B	1468cc		MD016460		MD016461
Mirage	1989	4G15	1468cc		MD074628		MD016461
Mirage Turbo	1985-88	G32B	1597cc		MD075925		MD075927
Mirage Turbo	1989	4G61	1595cc		MD127840		MD127841X
Mirage 12V	1991-On	4G15	1468cc	(1.023 HD)	MD10495	(1.299 HD)	MD10497
				(1.220 HD)	MD10496		
Montero	1983-4/84	G54B	2555cc		I-2001		E-2000
Montero	5/84-89	G54B	2555cc		MD083848		MD083851
Montero (6)	1989	6G72	2972cc		MD088811		MD088812
Pickup	1983-4/84	G63B	1997cc	12/82	MD040791	12/82	MD020589
				1/83	MD070691	1/83	MD070693
Pickup	5/84-89	G63B	1997cc		MD070691		MD070693
Pickup	1983-4/84	G54B	2555cc		I-2001		E-2000
Pickup	5/84-89	G54B	2555cc		MD083848		MD083851
Pickup Turbo Diesel	1983-85	4D55	2346cc	4/84	MD050100	4/84	MD050101
				5/84	MD083661	5/84	MD083662
Starion Turbo	1983-87	G54B	2555cc	4/84	I-2001	4/84	E-2000
				5/84	MD083848	5/84	MD083851
Starion Turbo	1985-89	G54B	2555cc		MD083848HP	5/87	MD083851HP
Int-Cooled							
Tredia	1983-4/84	G62B	1795cc	12/82	MD040791	12/82	MD020589
				1/83	MD070691	1/83	MD070693
Tredia	5/84-88	G62B	1795cc		MD070691		MD070693
Tredia	1984-4/84	G63B	1997cc	12/82	MD040791	12/82	MD020589
				1/83	MD070691	1/83	MD070693
Tredia	5/84-88	G63B	1997cc		MD070691		MD070693
Tredia Turbo	1984-5/85	G62B	1795cc		MD070691		MD070693
Tredia Turbo	6/86-88	G62B	1795cc		MD070691		MD070693
Van / Wagon 2V	1987-89	G64B, 4G64	2350cc		MD085253		MD085254

E-10809

Hyun EX 24V V6 G6BA 99-ON

| I-10808

Hyun IN 24V V6 G6BA 99-ON

SWIRL-POLISHED PERFORMANCE VALVES (Mitsubishi/Hyundai)

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
Starion/Conquest 2.6	IN	Stock	Stock	Stock	Stock	1GR	Stock	MD083848HP
Starion/Conquest 2.6	EX	Stock	Stock	Stock	Stock	1GR	Stock	MD083851HP
Eclipse 1.6/2.0	IN	Stock	Stock	Stock	Stock	1GR	Stock	MD127840HP
Eclipse 1.6/2.0	IN	Stock	1mmOS	Stock	Stock	1GR	Stock	MD127840H-1
Eclipse 1.6/2.0	IN	Stock	2mmOS	Stock	Stock	1GR	Stock	MD127840H-S
Eclipse 1.6/2.0	EX	Stock	2mmOS	Stock	Stock	1GR	Stock	MD127840H-S
Eclipse 1.6/2.0	IN	Stock	Stock	Stock	Stock	1GR	Stock	MD127840-HN
(Black Nitride)	EX	Stock	Stock	Stock	Stock	1GR	Stock	MD127841-HN
Eclipse 1.6/2.0	IN	Stock	1mmOS	Stock	Stock	1GR	Stock	MD127840HN-1
Eclipse 1.6/2.0	EX	Stock	1mmOS	Stock	Stock	1GR	Stock	MD127841HN-1

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)

**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitride coating is available on many part number (add -N to part number)

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MITSUBISHI VALVES continued

SWIRL-POLISHED PERFORMANCE VALVES - Continued

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
Eclipse 1.6/2.0	EX	Stock	1mm OS	6.5mm	4.318	1GR	Stock	MD127841H-1
Eclipse 1.6/2.0	EX	Stock	Stock	6.5mm	4.318	1GR	Stock	MD127841HP
Eclipse 95-On Non-Turbo	IN	Stock	Stock	6.5mm	4.318	1GR	Stock	SEV-1730
Eclipse 95-On Non-Turbo	IN	Stock	1mm OS	6.5mm	4.318	1GR	Stock	SEV-1730-1
Eclipse 95-On Non-Turbo	EX	Stock	Stock	6.5mm	4.318	1GR	Stock	SEV-1731
Eclipse 95-On Non-Turbo	EX	Stock	1mm OS	6.5mm	4.318	1GR	Stock	SEV-1731-1
3000GT 6 Cyl	IN	Stock	Stock	6.5mm	4.186	1GR	Stock	MD135479HP
3000GT 6 Cyl	IN	Stock	1mmOS	6.5mm	4.186	1GR	Stock	MD135479HP-1
3000GT 6 Cyl	EX	Stock	Stock	6.5mm	4.153	1GR	Stock	MD135480HP
3000GT 6 Cyl	EX	Stock	1mmOS	6.5mm	4.153	1GR	Stock	MD135480HP-1
EVO10	IN	Std	Std	5.5mm	Std	1GR	Stock	MD127842HN
EVO10	IN	Std	1mmos	5.5mm	Std	1GR	Stock	MD127842HN-1
EVO10	EX	Std	Std	5.5mm	Std	1GR	Stock	MD127843HN
EVO10	EX	Std	1mmos	5.5mm	Std	1GR	Stock	MD127843HN-1
MD-105340HP-1	Mits IN	4G64 24V	1mm OSH			MD-127842HN	Mits IN	EVO-10 6mm Std
MD-105350HP-1	Mits EX	4G64 24V	1mm OSH			MD-127842HN-1	Mits IN	EVO-10 6mm 1mmOS
MD-127843HN	Mits EX	EVO-10 6mm	Std			I-01723H-1	Hyun IN	TIB16V 96-04 1mm OSH NI
MD-127843HN -1	Mits EX	EVO-10 6mm	1mmOS			E-01724H-1	Hyun EX	TIB16V 96-04 1mmOS

KIA / HYUNDAI / DAEWOO Late Engines (Mitsubishi)

E-10813	Hyun EX	1.6 DOH 4GED Alpha 00-	OKNC-12-121	KIA EX	1.6 Rio 03-On
K22211-23600	Hyun IN	G4GF 2.0 DOHC 01-On	K247-12-111	KIA INT	Sephia 1.8 02-On
K22212-23600	Hyun EX	G4GF 2.0 DOHC 01-On	K247-12-121	KIA EX	Sephia 1.8 02-On
I-01723	Hyun IN	Tiburon 16V G4GF 96-04	E-3477X	Daewoo EX	2.2
I-10547	Hyun IN	1.5 SOHC G4EK 12V 93-02	I-3478	Daewoo IN	2.2
E-01724	Hyun EX	Tiburon 16V 64GF 96-04	E-3476	Daewoo EX	1.6
I-10812 1.110 HD	Hyun IN	1.6 DOH 4GED Alpha2 00-	I-3479	Daewoo IN	1.6
E-10813	Hyun EX	1.6 DOH 4GED Alpha2 00-	I-10816	Hyun/KIA IN	2.0 DOHC G4GF 05-On
E-10817	Hyun/KIA EX	2.0 DOHC G4GF 05-On	E-10548	Hyun EX	1.5 4GEK 12V 93-94
OK30-12-111	KIA IN	1.5 DOHC Rio 00-02	E-10549	Hyun EX	1.5 4GEK 12V 95-02
OK30-12-121	KIA EX	1.5 DOHC Rio 00-02	E-10809	Hyun/Kia EX	24V V6 G6BA 99-On
OKNC-12-111	KIA IN	1.6 Rio 03-On	I-10808	Hyun/Kia IN	24V V6 G6BA 99-On

NISSAN VALVES (Datsun, Infiniti)

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
200SX	1977-80	L20B	1952cc	13201-A1100	13202-N0400
200SX	1980-81	Z20E	1952cc	13201-N8500	13202-N8500
200SX	1980-81	Z22E	2187cc	13201-N8500	13202-N8500
200SX	1985-88	CA20E	1973cc	13201-D2000	13202-D1200
200SX (6)	1987-88	VG30E	2960cc	13201-V5202	13202-V6510
200SX/Sentra 4V	1991-On	GA16DE	1600cc	13201-53Y00	13202-53Y00
210	1975-82	A-14	1397cc	7/80 13201-H6200	7/80 13202-H6200
				8/80 13201-H9500	8/80 13202-H9500
210	1979-82	A-15	1488cc	1979-80 13201-H6200	1979-80 13202-H6200
210	1980-82	A-12	1237cc	1980 13201-H6200	1980 13202-H6200
				1981-82 13201-H9500	1981-82 13202-H9500
240SX	1989-90	KA24E	2389cc	13201-40F00	13202-40F01
240SX	1991-98	KA24DE 4V	2.4	13201-53F00	13202-53F00
240Z (6)	1970-73	L24	2393cc	13201-A1100	13202-23001
260Z (6)	1974-75	L26	2565cc	13201-A1100	13202-N0400
280Z (6)	1975-78	L28	2753cc	13201-N4200	13202-N0400
280ZX (6)	1979-80	L28E	2753cc	13201-N4200	13202-N0400
280ZX (6)	1981-83	L28E	2753cc	13201-P7900	13202-P7901
280ZX Turbo (6)	1981-83	L28ET	2753cc	13201-P7900	13202-P7901

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material
 (add -X to part number)

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NISSAN VALVES continued

REPLACEMENT SERIES - Continued

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
300ZX (6)	1984-88	VG30E	2960cc	13201-V5202	13202-V6510
300ZX Turbo (6)	1984-88	VG30T	2960cc	13201-V5202	13202-V6510
300ZX 4V DOHC, Turbo	All	VG30D	3000cc	13201-30P00	13202-30P00X
310	1978-79	A-14	1397cc	13201-H6200	13202-H6200
310	1982-83	E-15S	1487cc	13201-01M00	13202-05M00
310GX	1979-80	A-14	1397cc	13201-H6200	13202-H6200
510	1968-73	L-16	1595cc	13201-A3500	13202-23001
510	1977-80	L20B	1952cc	13201-A1100	13202-N0400
510	1980-81	Z20S	1952cc	13201-N8500	13202-N8500
521 Pickup	1968-73	L16	1595cc	13201-A3500	13202-23001
610	1973-74	L18	1770cc	13201-A1100	13202-N0400
610	1974-76	L20B	1952cc	13201-A1100	13202-N0400
620 Pickup	1968-73	L16	1595cc	13201-A3500	13202-23001
620 Pickup	1974-76	L20B	1952cc	13201-A1100	13202-N0400
620 Pickup	1977-80	L20B	1952cc	13201-A1100	13202-N0400
710	1973-74	L18	1770cc	13201-A1100	13202-N0400
710	1974-76	L20B	1952cc	13201-A1100	13202-N0400
710	1977-80	L20B	1952cc	13201-A1100	13202-N0400
720 Pickup	1973-74	L18	1770cc	13201-A1100	13202-N0400
720 Pickup	1977-80	L20B	1952cc	13201-A1100	13202-N0400
720 Pickup	1981-84	Z22S	2187cc	13201-N8500	13202-N8500
720 Pickup	1983-85	Z24	2389cc	13201-N8500	13202-N8500
810 (6)	1978-80	L24E	2393cc	13201-A1100	13202-N0400
1200	1971-73	A-12	1171cc	13201-H1000	13202-H2300
B110	1971-73	A-12	1171cc	13201-H1000	13202-H2300
B210	1971-73	A-12	1171cc	13201-H1000	13202-H2300
B210	1974	A-13	1288cc	13201-H6200	13202-H6200
B210	1975-82	A-14	1397cc	13201-H6200	13202-H6200
F10	1976-78	A-14	1397cc	13201-H6200	13202-H6200
Altima	1995-On	KA24DE 4V	2.4	13201-53F00	13202-53F00
Maxima (6)	1981-84	L-24E	2393cc	13201-A1100	13202-N0400
Maxima (6)	1985-88	YG30E	2960cc	13201-V5202	13202-V6510
Pathfinder	1986-88	Z24, Z24I	2389cc	13201-N8500	13202-N8500
Pathfinder (6)	1987-88	VG30	2960cc	13201-V5202	13202-V6510
Pickup	1986-88	Z24, Z24I	2389cc	13201-N8500	13202-N8500
Pickup (6)	1986-88	VG30	2960cc	13201-V5202	13202-V6510
Pulsar NX	1983-88	E16I, E16, E16S	1597cc	13201-31M00	13202-31M00
Pulsar NX Turbo	1983-84	E15T	1487cc	13201-15M00	13202-53A00
Pulsar SE	1987	CA16DE	1598cc	13201-55M10	13202-64M10
Pulsar NX	1989	GA16, GA16I	1597cc	13201-84A00	13202-84A00
Sentra	1982-83	E15S	1487cc	13201-01M00	13202-05M00
Sentra	1983-88	E16I, E16, E16S	1597cc	13201-31M00	13202-31M00
Sentra	1989	GA16, GA16I	1597cc	13201-84A00	13202-84A00
SER 4V	All	SR20DE	2000cc	I-10228 (U.S. only)	E-10229
Stanza	1982-83	CA20S	1973cc	13201-D0200	13202-D1200
Stanza	1984-88	CA20E	1973cc	13201-D0200	13202-D1200
Stanza Wagon	1985-88	CA20E	1973cc	13201-D2000	13202-D1200
Van	1986-88	Z24, Z24I	2389cc	13201-N8500	13202-N8500

13201-85110	Niss IN 3.5 V6 VQ35DE 01-On
E-10229	Niss EX SR20DE 91-On
E-10536	Niss EX VQ18DE Sentra 00-On
E-10793	Niss EX KA24DE 98-On 7 TO 6m Tip
13201-3Z00A	Niss EX Q25 2.5 Late

1-10224	Niss IN VQ18DE Sentra 00-On
1-10228	Niss IN SR20DE 91-On
13202-85110	Niss EX 3.5 V6 VQ35DE 01-On
I-10792	Niss IN KA24DE 98-On 7to6m Tip
13202-3Z000	Niss IN Q25 2.5 Late

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 **Many replacement intake valves are available in stainless steel exhaust material
 (add -X to part number)

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NISSAN VALVES continued

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	BLACK KNIGHT	PART NUMBER
L-Series	IN	Stock	46mm	.3135	4.580	1G	.110		8000SG
L-Series	EX	Stock	38.0mm	.3135	4.620	1G	.120		8002SG
L-Series	EX	Stock	35.0mm	.3135	4.620	1G	.120		8102E
L-Series	IN	Stock	44.0mm	.3135	4.580	1G	.110		8001SG
L-Series	IN	Stock	43.0mm	.3135	4.580	1G	.110		8101E
A-Series	IN	Stock	A-12-14	Stock	Stock	1G	Stock		1844
A-Series	EX	Stock	A-12-14	Stock	Stock	1G	Stock		1845
SR20DE	IN	Stock	.5mmOS	Stock	Stock	1G	Stock		I-10228HP (.5mmOS)
SR20DE	EX	Stock	.5mmOS	Stock	Stock	1G	Stock		E-10229HP 6mm US (also .5mmOS)
VG30 D/E/T 4V DOHC	IN	Stock	.5mmOS	Stock	Stock	1G	Stock		13201-30P00H
VG30 D/E/T 4V DOHC	EX	Stock	.5mmOS	Stock	Stock	1G	Stock		13202-30P00H
VG30 2V SOHC	IN	Stock	Stock	Stock	Stock	1G	Stock		13201-V5202H
VG30 2V SOHC	EX	Stock	Stock	Stock	Stock	1G	Stock		13202-V6510H
Z20/24 2 Plug	EX	Stock	Stock	Stock	Stock	1G	Stock		13202-N8500HP
Z20/24 2 Plug	IN	Stock	Stock	Stock	Stock	1G	Stock		13201-N8500HP
KA24 12V SOHC	IN	Stock	.5mmOS	Stock	Stock	1G	Stock		13201-40F00H (also .5mmOS)
KA24 12V SOHC	EX	Stock	.5mmOS	Stock	Stock	1G	Stock		13202-40F01H (also .5mmOS)
KA24 16V SOHC	IN	Stock	.5mmOS	Stock	Stock	1G	Stock		13201-53F00HS
KA24 16V SOHC	EX	Stock	.5mmOS	Stock	Stock	1G	Stock		13202-53F00HS

13201-85110HN	Niss IN 3.5 V6 VQ35DE HP/NI 01-
13201-85110H-1	Niss IN 3.5 V6 VQ35DE 1mmOSH.
E-10229-7-1MM	Niss EX SR20DET JDM 7mm 1mmOSH
E-10229-7-STD	Niss EX SR20 JDM STD 7mm Stem
E-10229-7HP	Niss EX SR20 JDM .5mmOSH
I-10228HP-1	Niss INT SR20DE 1mmOSH
I-10228HP-STD	Niss IN SR20 STD
13202-85110H-1	Niss EX 3.5 V6 VQ35DE 1mmOSH
13202-85110HN	Niss EX 3.5 V6 VQ35DE
I-10266HP	Niss IN RB26 JDM .5mmOSH
I-10266HP-1	Niss IN RB26 JDM 1mmOSH
E-10265HP	Niss EX RB26 JDM .5mmOSH
E-10265HP-1	Niss EX RB26 JDM 1mmOSH
I-10228HP	Niss IN SR20 .5mmOS
13201-53F00H	Niss IN KA24 16V Std Head
13202-53F00H	Niss EX KA24 16V Std Head

OLDSMOBILE VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use (*30° Angle)

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
110 C.I.D.	1.8	4	1982-83	I-3175	E-3176
112 C.I.D.	2.0	4	1989-On	I-3213	E-3212
122 C.I.D.	2.0	4	1983	I-3175	E-3176
146 C.I.D.	2.4	4	1996-On	I-019410	E-019420
151 C.I.D.	2.5	4	1979-83	I-3063	E-3062
173 C.I.D.	2.8	V-6	1980-83	I-3103	E-3093
181 C.I.D.	3.0	V-6	1982-83	I-3047	E-3448
231 C.I.D.	3.8	V-6	1979-83	I-3047	E-3448
250 C.I.D.	4.1	6	1966-76	I-2810	E-2809
252 C.I.D.	4.1	V-6	1981-On	I-3047	E-3448
267 C.I.D.	4.3	V-6	1981-82	I-3176	E-3016
301 C.I.D.	4.9	V-8	1979	I-2995	E-2994
305 C.I.D.	5.0	V-8	1980-81	I-2810	E-2809
307 C.I.D.	5.0	V-8	1980-81	I-3205	E-2993*
350 C.I.D.	5.7	V-8	1968	I-2495	E-2610*
350 C.I.D.	5.7	V-8	1973-76	I-2871	E-2870*
			1977	I-2810	E-2809
			1977-80	I-2871	E-2993*

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
350 C.I.D.	5.7	V-8	1968-71	I-2495	E-2496
Diesel			All	I-3029*	E-3028*
400 C.I.D.	6.5	V-8	1968-69	I-2499	E-2498
			1968-69	I-3189*	E-2498
			1975	I-2857*	E-2868
403 C.I.D.	6.6	V-8	1977-79	I-2499	E-2993
425 C.I.D.	6.9	V-8	1965-67	I-2499	E-2498
			1966-67	I-3189*	E-2498
455 C.I.D.	7.4	V-8	1973-76	I-2499	E-2870*
			1973	I-3189*	E-2498
			1972-On	I-2499	E-2498
Quad 4	4V	4	All (Small)	I-2021	E-2020
				1.400	1.181
Quad 4	4V	4	All (Large)	I-2025	E-2026
				1.441	1.240

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OLDSMOBILE VALVES continued

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	LENGTH	PART NUMBER	DESCRIPTION	LENGTH	PART NUMBER
1.396 2.4 16V Vin T.	Std	SEV-01941	2.000 B.B. 400/403/455 Olds Int	4.695	SEV-2499
1.141 2.4 16V Vin T.	Std	SEV-01942	350-400 1.687 Exh 30°	4.740	SEV-2610
1.181 Olds Quad 4 Exh	Early Std	SEV-2020	1.687 Edelbrock Exh 45°	4.740	SEV-2610-45
1.400 Olds Quad 4 Int	Early Std	SEV-2021	1.687 Edelbrock 45°	4.820	SEV-2610-45°+100
1.440 Olds Quad 4 Int	Late Std	SEV-2025	1.625 Olds Exh 30°	4.667	SEV-2870
1.250 Olds Quad 4 Exh	Late Std	SEV-2026	1.875 Olds Int 45°	4.667	SEV-2871
215 V8 Exh 1.350	4.885	SEV-2361	1.500 Olds 307/403 Exh 30°	4.695	SEV-2993
215 V8 Int 1.520	4.900	SEV-2362	2.070 B.B. 400/403/455 Olds Int 30°	4.698	SEV-3189
1.875 350 Oldsmobile Int	4.740	SEV-2495	1.750 Olds 307/403 Int	4.695	SEV-3205
1.564 350 Oldsmobile Exh	4.740	SEV-2496	2.000 Olds 350 45° In	4.740	SEV-2495-S
1.720 B.B. 400/403/455 Olds Exh	4.695	SEV-2498	1.625 Olds 350 45° Ex	4.740	SEV-2496-S
1.625 B.B. 400/403/455 Olds Exh	4.695	SEV-2498S			

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LGTH	GROOVE TYPE	TIP LGTH	PART NUMBER
330-350-455	IN	Stock	2.072	.3415	4.713	1G	.250	45° 5001E
330-350-455	IN	+100	2.072	.3415	4.820	1G	.250	45° 5001E+100
330-350-455	EX	Stock	1.710	.3415	4.713	1G	.250	45° 5002E
330-350-455	EX	+100	1.710	.3415	4.820	1G	.250	45° 5002E+100
330-350-455	IN	+100	2.125	.3415	4.820	1G	.250	45° 5003E+100
455	IN	Stock	2.125	.3415	4.713	1GR	.250	45° 5003E

PONTIAC VALVES

REPLACEMENT SERIES - For Standard and Heavy-Duty Use

APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER	APPLICATION	LITER	CYL.	YEAR	INTAKE PART NUMBER	EXHAUST PART NUMBER
2.2OHV (7mm)	2.2	4	1993-On	I-2892	E-2885	307 C.I.D.	5.0	V-8	1971-72	I-2091	E-2090
110 C.I.D.	1.8	4	1982-83	I-3175	E-3174				1981	I-3205	E-2993
110 C.I.D. OHC	1.8	4	1984-On	I-3211	E-3210	Solstice	2.2	4	Ecotec	I-1706	E-1707
112 C.I.D.	2.0	4	1989-On	I-3213	E-3212	350 C.I.D. 4-BBL	5.7	V-8	1969-71	I-2639	E-2638
122 C.I.D.	2.0	4	1983	I-3175	E-3174	350 C.I.D.	5.7	V-8	1971-On	I-2869	E-2868
146 C.I.D. (Vint)	2.4	4-16V	1996-On	I-01941	E-01942				(1.960)		
151 C.I.D.	2.5	4	1979-On	I-3063	E-3062				1975-76	I-2857	E-2868
173 C.I.D.	2.8	V-6	1980-83	I-3103	E-3093				1974-76	I-2669	E-2938
215 C.I.D.	3.5	6	1964-65	I-2091	E-2090				1977	I-2857	E-2868
229 C.I.D.	3.7	V-6	1980	I-3091	E-3161				1977-79	I-2552	E-2809
231 C.I.D.	3.8	V-6	1979-83	I-3047	E-3448				1977-80	I-2871	E-2993
231 C.I.D. (8mm)	3.8	V-6	1998-On	I-01858	E-01915				1978-80	I-2669	E-2938
250 C.I.D.	4.1	6	1970-74	I-2810	E-2090				1980-83	I-3029	E-3028
			1975-76	I-2091	E-2809	389 C.I.D.		V-8	1964-On	I-2547	E-2546
252 C.I.D.	4.1	V-6	1982	I-3047	E-3448	400 C.I.D.	6.5	V-8	1967	I-2600	E-2599
260 C.I.D.	4.2	V-8	1975-81	I-2947	E-2946				1968-70	I-2639	E-2638
265 C.I.D.	4.3	V-8	1980-81	I-3084	E-3083				1970	I-2600	E-2599
267 C.I.D.	4.4	V-8	1981-82	I-3176	E-3016				1972	I-2857	E-2834
301 C.I.D.	4.9	V-8	1977-81	I-2995	E-2994				1974-79	I-2857	E-2868
305 C.I.D.	5.0	V-8	1977-80	I-2091	E-2809	403 C.I.D.	6.6	V-8	1977-79	I-2499	E-2993
			1979-83	I-3091	E-2809	428 C.I.D.	6.5	V-8	1967	I-2600	E-2599
						428HO C.I.D.	6.5	V-8	1968-69	I-2639	E-2638
						455 C.I.D.	7.4	V-8	1970-On	I-2639	E-2638

PORTFLOW SERIES - Low Cost Swirl-Polished Performance Valves for Street, Track or Quality Restorations, IMCA, Bracket Cars, Boats, Etc.

DESCRIPTION	LENGTH	PART NUMBER	DESCRIPTION	LENGTH	PART NUMBER
1.396 2.4 16V Vint.	Std	SEV-01941	1.960 B.B. Pont Int 30° Angle	4.890	SEV-2548
1.141 2.4 16V Vint.	Std	SEV-01942	1.770 B.B. Pont	5.052	SEV-2599-C
1.660 389/400 Pont Exh	4.890	SEV-2546	2.110 B.B. Pont Int 45° Angle	5.062	SEV-2600-45
1.770 389/400	4.890	SEV-2546-S	2.110 B.B. Pont Int Valve	5.062	SEV-2600-C
1.920 389/400 Pont Int	4.880	SEV-2547	1.960 350/400 Int	5.082	6002SG-S
2.110 389/400	4.890	SEV-2547-S	Solstice IN Ecotec	Std	SEV-1706 (also 1mmOS)
Solstice EX Ecotec	Std	SEV-1707 (also 1mmOS)			

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PONTIAC VALVES continued

COMPETITION SERIES - Swirl-Polished Stainless Steel, Chromed Stems, Stellite Tips. Ideal for use in all tough racing applications.

APPLICATION	TYPE	INSTALL HEIGHT	HEAD DIA.	STEM DIA.	O/L LENGH	GROOVE TYPE	TIP LENGH	BLACK KNIGHT	PART NUMBER
Edelbrock	EX	—	1.660	.3415	5.208	1G	.250		6005SG-S
400-428	EX	Stock	1.770	.3415	5.085	1G	.250		SL-6409
Ram Air IV	EX	Stock	1.770	.3415	5.208	1G	.250		SL-6408
455 SD	EX	Stock	1.770	.3415	4.970	1G	.250		6007SG
Pontiac Pro Stock	EX	Stock	1.900T	.3415	6.450	1G	.250		6008SG
400-428	IN	Stock	2.110	.3415	5.095	1G	.250		6002SG
Ram Air IV	IN	Stock	2.110	.3415	5.213	1G	.250		SL-6406
455 SD	IN	Stock	2.110	.3415	4.975	1G	.250		6006SG
Pontiac Pro Stock	IN	Stock	2.300	.3415	6.600	1G	.250		6009SG
Pontiac Pro Stock	IN	Stock	2.400	.3415	6.600	1G	.250		6010SG
45° Angle for Race	IN	Stock	2.110	.3415	5.095	1G	.250		6002SG-45°
Edelbrock	IN	Stock	2.110	.3415	5.213	1G	.250		SL-6406-45°
45° Angle for Race	IN	Stock	2.110	.3415	4.975	1G	.250		6006SG-45°
350/389/400 Early	IN	Stock	1.960	.3415	4.970	1G	.250		6000SG
350/389/400 Early	EX	Stock	1.660	.3415	4.970	1G	.250		6001SG
Edelbrock	EX	Stock	1.660	.3415	5.090	1G	.250		6003SG-S

PORSCHE VALVES*

SWIRL-POLISHED STAINLESS STEEL * (Most available with 1mm OS head)

MODEL	YEAR	ENGINE DISP.	STEM DIAMETER	HEAD DIAMETER	LENGTH	INTAKE PART NUMBER	EXHAUST PART NUMBER
944S/928S 4V	1986-On	2.5/5.0	7	37	115	I-T30124*	
944S/928S 4V	1986-On	2.5/5.0	7	33	113.6		E-T30146*
964/993	All	3.6	9	49	110	I-T30279*	
964/993	All	3.6	9	42.5	109		E-T30188*
968	All	3.0	7	39	114.6	I-T30288*	
968	All	3.0	7	33	113.5		E-T30289*
911	1964-68	2.0	9	39	112	I-T3050	
911	1964-68	2.0	9	35	112		E-T3052
356 Carrera (4 cam)	All	1.6	9	50	120	I-T3055	
356 Carrera (4 cam)	All	1.6	11	40	117		E-T3947
911T, L, S	1965-77	2.2-2.7	9	46	114.5	I-T3063*	
911T, L, S	1965-77	2.2-2.7	9	40	113.5		E-T3064*
911SC, Carrera	1976-87	3.0-3.2	9	49	110	I-T3070*	
911SC, Carrera	1976-87	3.0-3.2	9	41.5	108.5		E-T3072*
2/4 Carrera Intake	1995-On	3.8	8	50	110.5	I-T99338*	
2/4 Carrera Exhaust	1995-On	3.8	8	43.5	109		E-T99338*
930 Turbo	1976-87	3.0/3.3	9	49	110	I-T3073*	
930 Turbo	1976-87	3.0/3.3	9	41.5	108.5		E-T3071*
928 2V	1977-85	4.5	9	43	110.5	I-T3078	
928 2V	1977-85	4.5	9	38	111		E-T3079
924 Turbo	1980-82	2.0	9	40	133	I-T3084	
924 Turbo	1980-82	2.0	9	36	133		E-T3085
944 Turbo	All	2.5	9	45	111.5	I-T3089*	
944 Turbo	All	2.5	9	40	112		E-T3087*
911 Turbo	1964-68	2.0	9	38	113.5		E-T3059
911 Turbo	1964-68	2.0	9	42	114.5	I-T3058	
356A / Groove	All	1.6	10	30.5	130.4		E-T3043 1 Groove
356A / Groove	All	1.6	10	38	119.2	I-T3030 1 Groove	
914/4-912E	1970-76	2.0	8	42	117	I-T3996E*	
914/4-912E	1970-76	2.0	9	36	117		E-T3997*
924 (non Turbo)	1976-82	2.0	9	40	137	I-T3331	
924 (non Turbo)	1976-82	2.0	9	33	137		E-T3323
356/912	1964-69	1.6	10	38	118	I-T3047 Multi Groove	
356/912	1964-69	1.6	10	34	128.5		E-T3048 Multi Groove
Boxster	All	2.5/2.7	6	33.3	106.5	I-T11102	
Boxster	All	2.5/2.7	6	28	107.1		E-T11304
996 Late	All	3.6	6	40	98.8	I-T27100	
996 Late	All	3.6	6	34.5	107.8		E-T27303
Boxster "S"	All	3.2/3.4	6	37	106.2	I-T0200BX	
Boxster "S"	All	3.2/3.4	6	32.3	106.5		E-T0299BX

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
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RENAULT VALVES

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
104 c.i.d. Alliance	All	1.7	4	I-3788	E-3790
Eagle Medallion	All	2.2	4	I-10134S	E-10135S

ROTAX MOTORCYCLE VALVES

SILVER LINE SERIES VALVES

HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER	HEAD DIAMETER	OVERALL LENGTH	STEM DIAMETER	TIP LENGTH	TYPE	PART NUMBER
37.00mm	94.00mm	7.00mm	Stock	IN	SL-07	31.00mm	94.00mm	7.00mm	Stock	EX	SL-09

SAAB VALVES

REPLACEMENT SERIES

MODEL	YEAR	LITER	CYLINDER	HEAD SIZE	INTAKE PART NUMBER	EXHAUST PART NUMBER
9.5 (Late) 6mm	All	3.0	V6	Std 6mm	I-3478 1.260HD	E-3477X 1.080 Head
9.5 (Late)	All	3.0	V6	1mmOS (Racing) 6mm	SEV-3478-1	SEV-3477-1

SATURN VALVES

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	CYL	INTAKE PART NUMBER	EXHAUST PART NUMBER
Saturn/Coupe	1991-98	1.9 DOHC	4	I-10520	E-10521
Saturn/Sedan	1991-98	1.9 SOHC	4	I-10522	E-10523
Saturn	1999-02	1.9 6mm	4	I-01949	E-01950
Saturn/Ion/Skye	ALL	2.4 Ecotec	4	I-1706	E-1707

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	BLACK KNIGHT	PART NUMBER
1.9 SOHC	INT	Stock	1.575	Stock	Stock	1G	Stock		SEV-10522
1.9 SOHC	EX	Stock	1.339	Stock	Stock	1G	Stock		SEV-10523
1.9 DOHC	INT	Stock	1.272	Stock	Stock	1G	Stock		SEV-10520
1.9 DOHC	EX	Stock	1.081	Stock	Stock	1G	Stock		SEV-10521

SEV-01949-S SAT INT 1.9 99-On 1mmOSH

SEV-01950-S SAT EX 1.9 99-On 1mmOSH

SEA-DOO VALVES

SILVERLINE SERIES - Black Nitride Coated / Swirl Polished

MODEL	INTAKE PART NUMBER	EXHAUST PART NUMBER
RXP, RXT, GTI, 4Tec 4V	SD-1-I (1 Groove) 214N	SD-2-E (1 Groove) Inconel

SUBARU VALVES

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
1800 OHV Turbo	1983-84	EA-81	1781cc	41555-7100	41556-7210
XT6 Coupe (6)	1988-90	2.7	2672cc	13201-AA001	13202-AA011
WRX	All	2.0	2500cc	I-1705	E-1704

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

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SUBARU VALVES continued

REPLACEMENT SERIES - Continued

13201-AA340	Subaru IN EJ25 DOHC 96-On	13202-AA350	Subaru EX EJ25 DOHC 96-On
13201-AA361	Subaru IN EJ25 SOHC 96-On	13202-AA371	Subaru EX EJ25 SOHC 96-On

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	BLACK KNIGHT	PART NUMBER
EA81 1.8	EX	Stock	Stock	Stock	Stock	Stock	Stock		41555-7100H
EA81 1.8	IN	Stock	Stock	Stock	Stock	Stock	Stock		41556-7100H
BRZ 2.0	IN	Std	1mmos (36mm)	5.5mm	95.15	1GR	Std		1703HN-1
BRZ 2.0	EX	Std	1mmos (30mm)	5.5mm	103.40	1GR	Std		1702HN-1

13201-AA361HNF-1	Sub EJ25 SOHC / MMOSH	1704HP-STD	Sub EX WRX EJ20 Std 4.110Lg
13201-AA340HNF	Sub IN EJ25 DOHC 96-On WRX STI	1704HP-S	Sub WRX EXH EJ20 .5mmOSH 4.110Lg
13201-AAOOOH-S	Sub IN EA82S TUR 90-On 1mmOSH	1704-1HP	Sub WRX EX 2.0 EJ20 1mmOSH 4.110Lg
13201-AA340H-1	Sub IN 2.5 WRX/STI 1mm OSH	1705HP-STD	Sub IN ERX EJ20 Std 4.110Lg
13201-AA340HNFS	Sub IN EJ25 WRX/STI .5mmOSH NIT	1705-1HP	Sub WRX IN 2.0 EJ20 1mmOSH 4.110Lg
13201-AA361HP	Sub IN 2.5 SOHC STD FLAT F	1705HP-S	Sub WRX INT EJ20 .5mm OSH 4.110Lg
13202-AAOOOH-S	Sub EX EA82S TUR 90-On .5mmOSH	13202-AA350HNF	Sub EX EJ25 DOHC 96-OnWRX STI 4.160Lg
13202-AA350H-1	Sub EX 2.5 WRX/STI 1mmOSH	13201-AA350HNF	Sub IN EJ25 DOHC Std 4.160Lg
13202-AA371HF	Sub EX 2.5 SOHC STD Flat F	SEV-10299	Sub INT EJ22T ALL HIPO
13202-AA350HNF	Sub EX EJ25 DOHC Std	SEV-10300	Sub EXH EJ22T ALL HIPO
13202-AA371HF-1	Sub EX EJ25 SOHC/mm OSH		

SUZUKI-GEO VALVES

REPLACEMENT SERIES *(Also available in racing valve)

MODEL	YEAR	ENGINE	CYL.	INTAKE PART NUMBER	EXHAUST PART NUMBER
G10 Sprint, Swift, Samurai, Sprint	1985-88	1.0	3	12911-82000	7mm Stem 12915-82000
G10 Geo Metro, Tracker	1989-On	1.0	3	12911-60B20*	5.5mm Stem 12915-60B20*
G16 Geo Prizm, Storm	All	1.6	4	12911-60A00	7mm Stem 12915-60A00
G13K Geo Tracker/Samurai	4V	1.3	4	12911-10303*	5.5mm Stem 12915-10304*
I-10786	Suz IN All 1.8-2.7 DOHC J 96-On	12911-10303H	Suz IN G13K Swift Turbo .5mmOSH		
E-10787-S	Suz EX All 1.8-2.7 DOHC J 96-On	12915-10304H	Suz EX G13K Swift Turbo .5mmOSH		
E-10517	Suz EX G13B/G16KV SOHC 4V 92-01	12915-60B20H	Suz EX G10 Turbo Race .5mmOS		
12911-60B20H	Suz IN G10 Turbo Race .5mmOS				
1-10516	Suz IN G13B/G16KV SOHC 4V 92-01				

SUZUKI MOTORCYCLE VALVES

SILVER LINE SERIES

HEAD DIAMETER	OVERALL LENGTH	STEM DIA.	TIP LENGTH	TYPE	PART NUMBER	HEAD DIAMETER	OVERALL LENGTH	STEM DIA.	TIP LENGTH	TYPE	PART NUMBER
GS 1100						GSXR 1989 continued					
28.50mm	86.52mm	5.50mm	4.10mm	IN	SL-30	29.00mm IN	96.10mm	4.50mm	1.80mm	GSXR	SL-181
31.00mm	86.52mm	5.50mm	4.10mm	IN	SL-31	30.00mm IN	87.00mm	5.00mm	1.80mm	GSXR	SL-36
32.00mm	86.52mm	5.50mm	4.10mm	IN	SL-32	26.00mm EX	87.20mm	5.00mm	1.80mm	GSXR	SL-43
29.50mm	86.52mm	5.50mm	4.10mm	IN	SL-33	31.00mm IN	87.90mm	5.00mm	1.80mm	GSXR	SL-44
24.00mm	85.90mm	5.50mm	4.10mm	EX	SL-37	31.50mm IN	87.90mm	5.00mm	1.80mm	GSXR	SL-45
26.00mm	85.90mm	5.50mm	4.10mm	EX	SL-38	27.00mm EX	94.40mm	4.50mm	1.80mm	GSXR	SL-80
27.00mm	85.90mm	5.50mm	4.10mm	EX	SL-39	28.00mm EX	94.40mm	4.50mm	1.80mm	GSXR	SL-81
29.00mm	85.90mm	5.50mm	4.10mm	EX	SL-41	23.00mm EX	96.76mm	4.50mm	1.80mm	GSXR	SL-82
GSXR 1989						25.00mm EX	96.43mm	4.50mm	1.80mm	GSXR	SL-83
30.00mm	85.9mm	5.00mm	2.80mm	IN	SL-35	24.00mm EX	96.76mm	4.50mm	1.80mm	GSXR	SL-84
31.00mm	85.9mm	5.00mm	2.80mm	IN	SL-34	27.00mm IN	96.50mm	4.50mm	1.80mm	GSXR	SL-85
26.00mm	85.3mm	5.00mm	2.80mm	EX	SL-40	30.00mm IN	96.10mm	4.50mm	1.80mm	GSXR	SL-86
27.00mm	85.3mm	5.00mm	2.80mm	EX	SL-42	28.00mm IN	96.50mm	4.50mm	1.80mm	GSXR	SL-87
28.70mm IN	89.75mm	5.00mm	1.80mm	GSXR	SL-170	31.00mm IN	94.75mm	4.50mm	1.80mm	GSXR	SL-88
25.00mm EX	89.80mm	5.00mm	1.80mm	GSXR	SL-175	32.00mm IN	94.75mm	4.50mm	1.80mm	GSXR	SL-89

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TOYOTA VALVES (Lexus / Scion)

REPLACEMENT SERIES

MODEL	YEAR	ENGINE	DISP.		INTAKE PART NUMBER	EXHAUST PART NUMBER
Camry	1983-86	2SELC	1995cc		13711-63010	13715-63011
				4/85	13711-64011	13715-64012
Camry	1987-89	3SFE	1998cc		13711-74020	13715-74020
Camry	1990-98	5SFE	2200cc		13711-74020	13715-74020
Camry	1988-89	3SFE	2.0		13711-74020	13715-74020
Camry (6)	1988-89	2VZFE	2507cc		13711-62020	13715-62020
Carina	1972-73	2TC	1588cc		13711-25011	13715-25011
Celica	1969-71	8RC	1858cc		13711-33011	13715-33011
Celica	1972-74	18RC	1968cc		13711-34031	13715-34022
Celica	1975-78	20R	2189cc		13711-38010	13715-38020
Celica	1979-80	20R	2189cc		13711-38010	13715-38020
Celica	1981-88	22R, 22REC	2366cc		13711-35010	13715-35020
Celica	1986-88	2SELC	1995cc		13711-63010	13715-63011
Celica	1986-88	2SGELC	1998cc		13711-88361	13715-88360
Celica	1986-88	3SGELC/3SGTE	2.0		13711-88361	13715-88360
Celica	1987-On	3SFE/5SFE	1998cc		13711-74020	13715-74020
Celica MR-2	1989-On	3SGTE	2.0		13711-88362	13715-88361X
Celica All Trac Turbo	1988	3SG	1998cc/2200cc		13711-88361	13715-88360
Corolla 1200	1969-79	3KC	1166cc	9/74	13711-24010	13715-24011
				10/74	13711-24011	13715-24012
Corolla 1600	1971-82	2TC/3TC	1588cc		13711-25011	13715-25011
Corolla Tercel	1980-86	1/3AC	1452cc		13711-15010	13715-15010
Corolla RWD	1983-87	4AC/LC	1587cc		13711-15010	13715-15010
Corolla GTS RWD	1985-87	4AGEC	1587cc		13711-16010	13715-16010
Corolla FX	1987-88	4ALC	1587cc		13711-15010	13715-15010
Corolla FX16	1987	4AGELC	1587cc		13711-16010	13715-16010
Corolla Coupe/FX16	1988	4AGE/LC	1587cc		13711-16010	13715-16010
Corolla	1988-89	4AF/AFE	1587cc		13711-15050	13715-15030
Corolla	1990-97	4Afe/7AFE	1.6/1.8		13711-15090	13715-15070X
Corona	1969-71	8RC	1858cc		13711-33011	13715-33011
Corona	1972-74	18RC	1968cc		13711-34031	13715-34022
Corona	1975-80	20R	2189cc		13711-38010	13715-38020
Corona	1981-82	22R	2366cc		13711-35010	13715-35020
Corona MKII	1969-71	8RC	1858cc		13711-33011	13715-33011
Corona MKII	1972-74	18RC	1968cc		13711-34031	13715-34022
Corona MKII (6)	1967-72	2M	2253cc	7/68	13711-41010	13715-41010
				8/68	13711-41012	13715-41011
Corona MK II (6)	1973-76	4M	2563cc		13711-41012	13715-41011
Cressida (6)	1978-79	4M	2563cc		13711-45010	13715-45010
Cressida (6)	1980	4ME	2563cc		13711-45010	13715-45010
Cressida (6)	1981-82	5ME	2759cc		13711-43010	13715-45010
Cressida (6)	1983	5MGE	2759cc		13711-43030	13715-43010
Cressida (6)	1984-88	5MGE	2759cc		13711-43030	13715-43010
Cressida (6)	1989	7MGE	2954cc		13711-42020	13715-42010
Crown (6)	1967-72	2M	2253cc	7/68	13711-41010	13715-41010
				8/68	13711-41012	13715-41011
Crown (6)	1971-72	4M	2563cc		13711-41012	13715-41011
4 Runner, All	1983-89	22R, 22REC	2366cc		13711-35010	13715-35020
4 Runner Turbo	1985-88	22RTEC	2366cc		13711-35010	13715-35020X
4 Runner 2WD (6)	1988-89	3VZE	2959cc		13711-65010	13715-65010
4 Runner 4WD (6)	1988-89	3VZE	2959cc		13711-65010	13715-65010
4 Runner	1994-On	2R2FE/3RZFE	2.4/2.7	Late	I-10321* Avail .5mm OS	E-10474* Avail .5mm OS
4 Runner	1992-94	3VZFE	3.0		13711-62030	13715-62030
4 Runner	1995-On	5VZFE	3.4		13711-62030	13715-62030
Hilux	1969-71	8RC	1858cc		13711-33011	13715-33011
Hilux	1972-74	18RC	1968cc		13711-34031	13715-34022
Hilux	1975-78	20R	2189cc		13711-38010	13715-38020
Hilux	1979-80	20R	2189cc		13711-38010	13715-38020
MR2	1985-88	4AGELC	1587cc		13711-16010	13715-16010
MR2-S-Chgd	1988	4AGZE	1587cc		13711-16010H	13715-16010H
Pickup, All	1981-89	22R	2366cc		13711-35010	13715-35020
Pickup 2WD (6)	1988-89	3VZE	2959cc		13711-65010	13715-65010
Pickup 4WD (6)	1988-89	3VZE	2959cc		13711-65010	13715-65010

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TOYOTA VALVES continued

REPLACEMENT SERIES - Continued

MODEL	YEAR	ENGINE	DISP.	INTAKE PART NUMBER	EXHAUST PART NUMBER
Pickup Turbo	1985-88	22RTEC	2366cc	13711-35051	13715-35020X
Starlet	1981-82	4KC	1290cc	13711-24011	13715-24012
				4/82	13715-24013
				5/82	13715-24013
Starlet	1983-84	4KE	1290cc	13711-24011	13715-24013
Supra (6)	1979-80	4ME	2563cc	13711-45010	13715-45010
Supra (6)	1981	5ME	2759cc	13711-43010	13715-45010
Supra (6)	1982-83	5MGE	2759cc	13711-43030	13715-43010
Camry	1983-86	2SELC	1995cc	13711-63010	13715-63011
Supra (6)	1984-85	5MGE	2759cc	13711-43030	13715-43010
Supra (6)	1986-89	7MGE	2954cc	13711-42020	13715-42010
Supra Turbo (6)	1987-89	7MGTE	2954cc	13711-42020H	13715-42010H
Tercel/Corolla	1987-On	3E/3EE	1456cc	13711-10030	13715-10030
				13712-11020 (Aux)	
Van/Wagon	1984-85	3YEC	1998cc	13711-71010	13715-71010
Van/Wagon	1986-89	4YEC	1998cc	13711-71010	13715-71010
Tacoma Pickup 4V	1995-On	2RZFE	2400cc	I-10321	E-10474
Tacoma Pickup 4V	1995-On	3RZFE	2700cc	I-10321	E-10474
I-10798	Toy IN 2.0 DOHC 1AZFE 01-On/2AZFE			E-10781	Toy EX 1.8 1ZZFE 98-On 1.024HD
I-10780	Toy IN 1.8 1ZZFE1 98-On 1.220HD			E-10474	Toy EX 2RZFE 2.4/2.7 4V 95-On
I-10518S	Toy IN 2JZE Supra			E-10420S	Toy EX 5SFE 92-98
I-10735	Toy IN 1.8 1ZZFE 98-03 1.260HD			E-10474-S	Toy EX 2RZFE 2.4/2.7 .5mmOSH
I-02177	Toy IN 1.8 DOHC 2ZZGE 00-On			E-02178	Toy EX 1.8DOHC 2ZZGE 00-On
I-02240	Toy IN 1.5 INZFXE 00-On			E-02241	Toy EX 1.5 INZFXE 00-On
I-10137-X	Toy IN 5EFE DOHC 16V 92-99			E-10138	Toy EX 5EFE DOHC 16V 92-99
E-10799	Toy EX 2.0 DOHC 1AZFE 01-On/2AZFE			I-10798	Scion IN 2.4 1AZFE 01-On
E-10519S	Toy EXH 2JZE Supra			E-10799	Scion EX 2.4 1AZFE 01-On
E-10736	Toy EX 1.8 1ZZFE 98-03 1.081HD				

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
2TG/18RG	IN	Stock	Stock	8.5mm	Stock	1G	Stock	1890
2TG/18RG	EX	Stock	Stock	8.5mm	Stock	1G	Stock	1891
20R - S.O.H.C.	EX	Stock	36.0mm	.3135	4.482 (+50)	1G	.185	7202E
22R - S.O.H.C.	EX	Stock	37.5mm	.3135	4.448 (+50)	1G	.185	7204SG
20R - S.O.H.C.	IN	Stock	44.0mm	.3135	4.546 (+50)	1G	.185	7201E
20R - 22R	IN	Stock	Stock	Stock	Stock	1G	Stock	13711-35010HP
20R - 22R	IN	Stock	1mmOS	Stock	Stock	1G	Stock	13711-35010H-1
20R - 22R	EX	Stock	Stock	Stock	Stock	1G	Stock	13715-35020HP
20R - 22R	EX	Stock	1mmOS	Stock	Stock	1G	Stock	13715-35020H-1
22R - S.O.H.C.	IN	Stock	45.5mm	.3135	4.549 (+50)	1G	.185	7203SG
2TC & 3TC	EX	+ .100	38.5mm	.3135	+ .100	1G	Stock	SL-7105
2TC & 3TC	IN	+ .100	45.0mm	.3135	+ .100	1G	Stock	SL-7106
2TC & 3TC	EX	Stock	38.5mm	.3135	Stock	1G	Stock	SL-7805
2TC & 3TC	IN	Stock	45.0mm	.3135	Stock	1G	Stock	SL-7806
2TC - 3TC	IN	Stock	Std or 1mmOS	Stock	Stock	1G	Stock	13711-25011H(-1)
2TC - 3TC	EX	Stock	Std or 1mmOS	Stock	Stock	1G	Stock	13715-25011H(-1)
7MG/E/T	EX	Stock	28.5mm	Stock	Stock	1GR	Stock	13715-42010H-1
			(1mm OS)					
7MG/E/T	IN	Stock	33.0mm	Stock	Stock	1GR	Stock	13711-42020H-1
			(1mmOS)					
4AG/E/U	EX	Stock	1.102	Stock	Stock	1GR	Stock	SL-7101
4AG/E/U	IN	Stock	1.315	Stock	Stock	1GR	Stock	SL-7102
4AG/E/U	IN	Stock	1.201	Stock	Stock	1GR	Stock	13711-16010H
4AG/E/U	IN	Stock	1.280	Stock	Stock	1GR	Stock	13711-16010HS
4AG/E/U	IN	Stock	1.240	Stock	Stock	1GR	Stock	13711-16010H-1
4AG/E/U	EX	Stock	1.004	Stock	Stock	1GR	Stock	13715-16010H
4AG/E/U	EX	Stock	1.080	Stock	Stock	1GR	Stock	13715-16010HS
4AG/E/U	EX	Stock	1.040	Stock	Stock	1GR	Stock	13715-16010H-1
22R	IN	Stock	48.0mm	Stock	4.549 (+50)	1GR	.185	7203SG-S
22R	EX	Stock	40.0mm	Stock	4.448 (+50)	1GR	.185	7204SG-S
3VZE	IN	Stock	Stock	Stock	Stock	1GR	Stock	13711-65010HP

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



TOYOTA VALVES continued

SWIRL-POLISHED PERFORMANCE VALVES - Continued

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
3VZE	EX	Stock	Stock	Stock	Stock	1GR	Stock	13715-65010HP
3SGTE	IN	Stock	.5mmOS	Stock	Stock	1GR	Stock	13711-88362HP
3SGTE	EX	Stock	1mmOS	Stock	Stock	1GR	Stock	13711-88362HP-1
3SGTE	EX	Stock	.5mmOS	Stock	Stock	1GR	Stock	13715-88361HP
3SGTE	IN	Stock	1mmOS	Stock	Stock	1GR	Stock	13715-88361HP-1
Supra-2JZE	IN	Stock	.5mmOS	Stock	Stock	1GR	Stock	I-10518SH
Supra-2JZE	IN	Stock	1mmOS	Stock	Stock	1GR	Stock	I-10518SH-1
Supra-2JZE	EX	Stock	.5mmOS	Stock	Stock	1GR	Stock	E-10519SH
Supra-2JZE	EX	Stock	1mmOS	Stock	Stock	1GR	Stock	E-10519SH-1
FR2	IN	Std	1mmOS (36mm)	5.5mm	95.15			1703HN-1
FR2	EX	Std	1mmOS (30mm)	5.5mm	103.40			1702HN-1

I-10518S-H-STD	Toy IN 2JZE HI/PO Std
I-10321HP-1	Toy IN 2R2FE/3R2ZFE 1mmOS
I-10421HP-1	Toy IN 5SFE 92-01 1mmOSH
13711-42010H-STD	Toy IN 7MGE Std
E-10420HP-1	Toy EX 5 SFE 92-01 1mmOS
13711-16012HP-1	Toy IN 4AGE 5V JDM 91-98 1mmOSH
E-10474HP-1	Toy EX 2R2FE/3R2ZFE 1mmOS
13715-16012HP-1	Toy EX 4AGE 5V JDM 91-98 1mmOSH

E-10519SH-STD	Toy EX 2JZ Supra Std
13715-42010SH-STD	Toy EX 7MGE Std
13711-42020H	Toy IN 7MGE .5mmOS
13715-42010H	Toy EX 7MGE .5mmOS
13711-0H100HS	Toy IN 2.4 TC Scion 2AFE .5mmOS
13715-0H100HS	Toy EX 2.4 TC Scion 2AFE .5mmOS
13715-0H100H	Toy EX 2.4 TC Scion Std
13711-0H100H	Toy IN 2.4 TC Scion Std

TRIUMPH VALVES

REPLACEMENT SERIES - Swirl-Polished Stainless Steel

MODEL	YEAR	LITER	CYLINDER	INTAKE PART NUMBER	EXHAUST PART NUMBER
TR6	1968-76	2.5	6	I-TR6	E-TR6
SEV-34289	Triumph EX Spit 73-On 1.5L 1.173			SEV-34487	Triumph IN Spit 1.51 73-On 1.433

VOLKSWAGEN VALVES

REPLACEMENT SERIES

MODEL	YEAR	LITER	CYLINDER	INTAKE PART NUMBER	EXHAUST PART NUMBER
1200-36 HP	54-60	1.2	4	111-109-601 31mm	111-109-611 28mm
1200-40 HP	60-65	1.2	4	113-109-601 33mm	13-109-611 30mm
1300-Type 1	66	1.3	4	113-109-601 33mm	113-109-611 30mm
1500 / 1600	67-On (no FI)	1.5	4	311-109-601 35.5mm	311-109-612A 32mm
9mm Ex. 1600 30mm	75-On FI	1.6	4	311-109-601 35.5mm	043-109-611 30mm
9mm Ex. 1600 32mm	72-74	1.6	4	311-109-601 35.5mm	043-109-612 32mm
412-Type IV / Bus	73-On	1.8	4	022-109-601A 41mm	022-109-612A 34mm
1700 Bus	68-On	1.7	4	021-109-601 39mm	021-109-612A 33mm
Golf / Passat	93-95	1984cc	4 (2 valve)	037-109-601B	037-109-611B
Golf / Passat	96-On	1984cc	4 (2 valve)	078-109-601B	078-109-611B
Passat / Beetle	All 20V/30V	1.8T	4	I-T5801OE	E-T5811OE-E-T3343 (V6)
Rabbit / 1588 Gas	74-80	1.5	4	056-109-601SG	056-109-612A SG
Rabbit / 1715 Gas	81-On	1.7	4	049-109-601F MG	049-109-611 MG
Rabbit / 1471 Diesel	78-81	1.5	4	068-109-601SG	068-109-611SG
Rabbit / 1588 Diesel	81-On	1.6	4	068-109-601C MG	068-109-611C MG
Diesel Hyd.	All	1.6	4	068-109-601L	068-109-611L
041 1600 Heads	All	1.6	4	SEV-103 39mm	311-109-612A 32mm
Jetta, Golf, Pasat	1985-On	1.8-2.0	4	027-109-601	E-T 33118-OE
Vanagon/Water Boxer	All	2.0	4	023-109-601	023-109-612A

037-109-601B	VW IN 2.0 2V Golf 92-95
037-109-611B	VW EX 2.0 2V Golf 92-95
078-109-601B	VW IN 2.0 2V Golf/Passat 96-99
078-109-611B	VW EX 2.0 2V Golf/Passat 96-99
E-T33119	VW 2.5 5Cyl 20V EX 05-On / 2.0 16V

E-10732S	VW EX 1.9TDI 98-04 7mm
E-10557S 12V	VW EX VR-6 All Years
I-10556S 12V	VW IN VR-6 All Years
I-10731	VW IN 1.9TDA 98-04 7mm
I-T33120	VW 2.5 5Cyl 20V INT 05-On / 2.0 16V

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.



VOLKSWAGEN VALVES continued

SWIRL-POLISHED PERFORMANCE VALVES

APPLICATION	TYPE	INSTALLED HEIGHT	HEAD DIAMETER	STEM DIAMETER	O/L LENGTH	GROOVE TYPE	TIP LENGTH	PART NUMBER
914 2.0	EX	Stock	36mm	9mm	4.620	MG	.170	E-T3997
914 2.0	EX	Stock	38mm	9mm	4.620	MG	.170	E-T3997-S
1200-1600	EX	Stock	32.0mm	.3135	4.407	MG	.170	SEV-11668
1200-1600	EX	Stock	33.0mm	.3135	4.407	MG	.170	SEV-11666
1200-1600	EX	Stock	35.5mm	.3135	4.407	MG	.170	SEV-11669
1200-1600	EX	Stock	37.5mm	.3135	4.407	MG	.170	SEV-11674
1200-1600	IN	Stock	39.0mm	.3135	4.407	MG	.170	I-103HP
1200-1600	IN	Stock	43.5mm	.3135	4.407	MG	.170	SEV-11667
1200-1600	IN	Stock	42.0mm	.3135	4.407	MG	.170	SEV-11672
1200-1600	IN	Stock	40.0mm	.3135	4.407	MG	.170	SEV-11670
1200-1600	IN	Stock	46.0mm	.3135	4.407	MG	.170	SEV-11675
1200-1600	IN	Stock	48.0mm	.3135	4.407	MG	.170	SEV-11676
1200-1600	IN	Stock	50.0mm	.3135	4.407	MG	.170	SEV-11677
1200-1600	IN	Stock	52.0mm	.3135	4.407	MG	.170	SEV-11678
Golf 16V	EX	Stock	Stock	Stock	Stock	Stock	Stock	E-T33118H
Golf 16V	IN	Stock	Stock	Stock	Stock	Stock	Stock	I-T33125H
Golf 16V	EX	Stock	1mmOS	7mm	Stock	MG	Stock	E-T33118H-1
Golf 16V	IN	Stock	1mmOS	7mm	Stock	MG	Stock	I-T33125H-1
Passat 20V	IN	Stock	Stock	Stock	Stock	Stock	Stock	I-T5801H
Golf 8V IN 1992-2004 2 Valve 1.5mmOS Head 2.0 Ltr		Stock	Stock	Stock	Stock	Stock	Stock	078-109-601HPS
Passat 20V	EX	Stock	Stock	Stock	Stock	Stock	Stock	E-T5811H
Golf 8V EX 1992-2004 2 Valve 1.5mmOS Head 2.0 Ltr		Stock	Stock	Stock	Stock	Stock	Stock	078-109-611HPS
Type 4	EX	Stock	38.0mmT	.3135	4.620	MG	.170	13002E
Type 4	EX	Stock	36mm	.3135	4.620	MG	.170	13000E
Type 4	IN	Stock	48.0mm	.3135	4.620	MG	.170	13001E
Type 4	IN	Stock	44.0mm	.3135	4.620	MG	.170	13001E-S
Type 4	IE	Stock	40.0mm	.3135	4.620	MG	.170	13002E-S
Type 4	IN	Stock	50.0mm	.3135	4.620	MG	.170	13003E
Type 4	IN	Stock	46mm	.3135	4.620	MG	.170	13004E
Type 4	IN	Stock	42mm	.3135	4.620	MG	.170	13007E
Vanagon/Water Boxer	IN	Stock	39mm	Stock	Stock	MG	Stock	13005E
Vanagon/Water Boxer	EX	Stock	33mm	Stock	Stock	MG	Stock	13006E
VR6 12V	IN	Stock	1.575	Stock	Stock	Stock	Stock	SEV-10556S
VR6 12V	IN	Stock	1mmOS	Stock	Stock	Stock	Stock	SEV-10556S-1
VR6 12V	EX	Stock	1.386	Stock	Stock	Stock	Stock	SEV-10557S
VR6 12V	EX	Stock	1mmOS	Stock	Stock	Stock	Stock	SEV-10557S-1
Water Boxer OS	IN	Stock	44mm	.3135	Stock	MG	Stock	13008E
Water Boxer OS	EX	Stock	38mm	.3135	Stock	MG	Stock	13009E

VOLVO VALVES (*Available in Polished Stainless Racing Style)

REPLACEMENT SERIES

MODEL	YEAR	LITER	CYLINDER	HEAD SIZE	INTAKE PART NUMBER	EXHAUST PART NUMBER
B234F 4V 7mm	All	2.3	4	IN 34.5MM EX 31.5MM	I-VB234F*	E-VB234F*
B254F 4V 7mm	All	2.5/3.0	5/6	IN 31.0MM EX 27.0MM	I-VB254* - HP Race	E-VB254* - HP Race
B21/230 8mm	All	2 Valve	4	Stock	I-VB104060	E-VB104070
I-VB264 6mm	Volvo IN 5/6Cyl Only 98-On 6mm/31mm			I-VB264-1	Volvo IN V40 4Cyl 98-On 6mm/32mm	
E-VB264 6mm	Volvo EX 5/6Cyl 98-On 6mm					

YAMAHA VALVES

SILVER LINE SERIES

HEAD DIAMETER	OVERALL LENGTH	STEM DIA.	TIP LENGTH	TYPE	PART NUMBER	HEAD DIAMETER	OVERALL LENGTH	STEM DIA.	TIP LENGTH	TYPE	PART NUMBER
26.00mm	EX 93.85mm	5.50mm	4.00mm	FJ11/12	SL-94	25.00mm	92.00mm	4.50mm	1.60mm	FZR1000	SL-98
23.50mm	90.60mm	4.50mm	1.60mm	FZR1000	SL-95	30.50mm	IN 94.00mm	5.50mm	3.60mm	FJ11/12	SL-99
23.50mm	92.00mm	4.50mm	1.60mm	FZR1000	SL-96	25.00mm	90.60mm	4.50mm	1.60mm	FZR1000	SL-120
YAM-E	Yamaha EX YFR200 .990HD					YAM-I	Yamaha IN YFR200 1.080HD				



SWIRL-POLISHED STAINLESS STEEL BLANKS*

HEAD DIAMETER	STEM DIAMETER	LENGTH	GROOVE TYPE	PART NUMBER
1.600	.2500	5.000	NKG	1799
1.687	.3415	6.000	NKG	6100
2.000	.3415	6.000	NKG	6101
2.300	.3415	6.000	NKG	6102
2.400	.3415	6.000	NKG	6103
40.0mm	.3135	4.900	NKG	6104
48.0mm	.3135	4.900	NKG	6105
38.0mmT	.3135	5.500	NKG	6106
51.0mm	.3135	5.500	NKG	6107
44mm	.3135	122mm	NKG	6108
40.0mm	.275	5.000	NKG	6110-S
42mm	.353	5.700	NKG	6112
51mm	.353	5.700	NKG	6113
33mm	7mm	135mm	NKG	6114
2.400	.3715	6.000	NKG	6115
2.000	.3715	6.000	NKG	6116
1.687	.3415	6.000	NKG	6118
38mm	8mm	135mm	NKG	6120
40mm	6.5mm	135mm	NKG	6121
36mm	6.5mm	135mm	NKG	6122
2.300	.372	8.000	NKG	6123
1.900	.372	8.000	NKG	6124
2.000	.310	6.500	NKG	6125
2.250	.310	6.500	NKG	6126
1.750	.310	6.500	NKG	6127
30mm	7mm	135mm	NKG	6128
28mm	7mm	135mm	NKG	6129
1.565	.3415	8.000	NKG	CC15341
1.600	.3715	8.000	NKG	CC16371
1.700	.3105	8.000	NKG	CC17310
1.800	.3415	8.000	NKG	CC18341
2.000	.3415	8.000	NKG	CC20341
2.100	.3105	8.000	NKG	CC21310

6114	Blank 33mm X 7mm X 135mm
6115	Blank 2.400 X .371 X 6.000
6116	Blank 1.940 X .371 X 6.000
6116-S	Blank 2.000 X .371 X 8.000
6118	Blank 1.687 X .3415 X 6.000
6120	Blank 38mm x 8mm X 135mm Dish
6121	Blank 40mm X 6.5mm X 135mm
6122	Blank 36mm X 6.5mm X 135mm
6123	Blank 2.300 X .371 X 8.00
6124	Blank 1.900 X .372 X 8.000
6125	Blank 2.000 X .310 X 6.500

HEAD DIAMETER	STEM DIAMETER	LENGTH	GROOVE TYPE	PART NUMBER
34mm	4.5mm	110mm	NKG	SL-70
27mm	4.5mm	110mm	NKG	SL-71
44mm	7mm	135mm	NKG	SL-72
36mm	7mm	135mm	NKG	SL-73
34mm	5.5mm	135mm	NKG	SL-74
34mm	5mm	110mm	NKG	SL-75
30mm	5mm	110mm	NKG	SL-76
33mm	7mm	135mm	NKG	SL-77
28mm	5.5mm	110mm	NKG	SL-79
39mm	7mm	135mm	NKG	SL-90
31mm	6mm	135mm	NKG	SL-91
37mm	5.5mm	135mm	NKG	SL-92
47mm	7mm	135mm	NKG	SL-93
40mm	6mm	135mm	NKG	SL-101
36mm	6mm	135mm	NKG	SL-122
31.5mm	6mm	135mm	NKG	SL-123
30mm	7mm	135mm	NKG	SL-131
31mm	6mm	135mm	NKG	SL-163
32mm	6mm	135mm	NKG	SL-164
34mm	6mm	135mm	NKG	SL-167
31mm Inconel	6mm	135mm	NKG	SL-951
30mm Inconel	5.5mm	135mm	NKG	SL-952
39mm Inconel	7mm	135mm	NKG	SL-954
34mm Inconel	5.5mm	135mm	NKG	SL-955
2.000	.3415	7.000	NKG	SL-7000
2.000	.3415	7.000	NKG	SL-7001
1.950 Inconel	.3415	7.000	NKG	SL-7009
2.400	.3415	7.000	NKG	SL-7010
2.350	.3415	7.000	NKG	SL-7011
2.500	.3415	7.000	NKG	SL-7013
1.700	.3415	7.500	NKG	SL-7100
2.300	.3415	7.500	NKG	SL-7200

6126	Blank 2.250 X .310 X 6.500
6127	Blank 1.750 X .310 X 6.500
6128	Blank 30mm X 7mm X 135mm
6129	Blank 28mm X 7mm X 135mm
6130	Blank 52mm X 9mm X 144.7mm
6131	Blank 1.750 X .371 X 8.000
6810	Blank 1.650/ .310/5.250
6097	Blank 1.875 X 309 X 4.925
6098	Blank 1.570 X .372 X 8.000
6099	Blank 1.605 X .3415 X 7.000
6100	Blank 1.687 X .3415 X 6.000

*** Contact us if you do not see the blank you need.**

*** SI MANUFACTURES CUSTOM VALVES IN PER SET QUANTITIES OR PRODUCTION RUNS TO YOUR SPEC. CONTACT YOUR SALESPERSON TO ORDER.**

**Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)*

****Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson.
 We add new items regularly.*



SI MANGANESE-BRONZE ALLOY VALVE GUIDES*

Available in over 1000 different part designs covering:

- **Foreign** - *even non-U.S.A. engine applications!*
- **Domestic** - *U.S.A. engine applications!*
- **High-Performance Domestic** - *U.S.A. engine applications!*
- **Exotic automobile engine applications!**
- **Motorcycle engine applications** - *our latest product line!*
- **Heavy Duty**
- **Numerous oversize outside diameters are available** *for almost any repair situation.*
- **Custom valve guides** *can be manufactured to your specs.*
- **Other alloys available**



SI manganese-bronze valve guides are your best buy because:

Our valve guides are **manufactured completely in the United States of America** from the finest material available.

Our bronze material **exceeds all** original equipment specifications and is at least **more durable** than any currently competing U.S.A. produced bronze valve guide.

Our bronze alloy utilizes **hard filament shaped wear particles**, evenly distributed throughout the material, and aligned along the length of the finished valve guide. This type of metallurgical structure is compatible with **all** modern valve stem materials.

Our bronze alloy has the **highest heat transfer** rate of **any** bronze valve guide alloy:

Inside diameter bore size and concentricity of inside diameter bore to outside diameter area dimensions are held to the closest tolerances in the industry.

**Custom valve guides manufactured to your spec.*



MANGANESE-BRONZE VALVE GUIDES*



The following part numbers ending in "00" denote **STANDARD OUTSIDE DIAMETER (1st Repair Size)**. This **1st Repair Size** has been determined for **each individual part number** from actual field conditions for each engine application. A **+0.002" (.002)** and a **+0.005" (.005)** oversize outside diameters from **1st Repair Size** are always available for all part numbers. In addition, numerous other oversize outside diameters are usually available. *Custom mfgd. available.

FOREIGN & DOMESTIC ENGINE APPLICATIONS

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
AC BRISTOL						
Guide: Bristol: 2.0L, 4Cyl, OHV	IE	Std	0.3121" I.D. x	0.4820" O.D. x	2.575" Long	VG 8420/00
ACURA (by Honda)						
Guide: Acura: Honda D16/18 4V	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.775" Long	VG 7128/00
Guide: Acura: Honda D16/18 4V	EX	Std	0.2601" I.D. x	0.4750" O.D. x	1.970" Long	VG 7129/00
Guide: Acura: Honda V-6: C25/27	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.850" Long	VG 7130/00
Guide: Acura: Honda V-6: C25/27	EX	Std	0.2601" I.D. x	0.4750" O.D. x	2.085" Long	VG 7131/00
Guide: Acura: D15/16 SOHC2/4V	IN	Std	0.2167" I.D. x	0.4360" O.D. x	1.870" Long	VG 7134/00
Guide: Acura: D15/16 SOHC2/4V	EX	Std	0.2167" I.D. x	0.4360" O.D. x	2.120" Long	VG 7135/00
Guide: Acura: D15/16/17 V-Tec	IN	Std	0.2160" I.D. x	0.4750" O.D. x	1.640" Long	VG 7142/00
Guide: Acura: D15/16/17 V-Tec	EX	Std	0.2160" I.D. x	0.4750" O.D. x	1.870" Long	VG 7143/00
ALFA ROMEO						
Guide: Alfa Romeo: 4Cyl M750	IE	Std	0.3164" I.D. x	0.5145" O.D. x	1.885" Long	VG 5602/00
Guide: Alfa Romeo: 4 DOHC 2V	EX	Std	0.3542" I.D. x	0.5530" O.D. x	2.125" Long	VG 5603/00
Guide: Alfa Romeo: 4 DOHC 2V	IN	Std	0.3542" I.D. x	0.5530" O.D. x	2.005" Long	VG 5604/00
Guide: Alfa Romeo: 2000 M105	IE	Std	0.3546" I.D. x	0.5930" O.D. x	2.440" Long	VG 5605/00
Guide: Alfa Romeo: Alfasud 4	IN	Std	0.3152" I.D. x	0.5140" O.D. x	1.595" Long	VG 5606/00
Guide: Alfa Romeo: Alfasud 4	EX	Std	0.3152" I.D. x	0.5140" O.D. x	1.735" Long	VG 5607/00
Guide: Alfa Romeo: 4DOHC Tef	IN	Std	0.3542" I.D. x	0.5530" O.D. x	1.900" Long	VG 5608/00
Guide: Alfa Romeo: 2000 M102	IE	Std	0.3942" I.D. x	0.5930" O.D. x	2.440" Long	VG 5610/00
Guide: Alfa Romeo: 2600 6DOHC	IN	Std	0.3744" I.D. x	0.5930" O.D. x	2.335" Long	VG 5612/00
Guide: Alfa Romeo: 2600 6DOHC	EX	Std	0.3942" I.D. x	0.5930" O.D. x	2.335" Long	VG 5613/00
Guide: Alfa Romeo: V-6 OHC M119	IN	Std	0.3542" I.D. x	0.5530" O.D. x	1.930" Long	VG 5618/00
Guide: Alfa Romeo: V-6 OHC M119	EX	Std	0.3542" I.D. x	0.5530" O.D. x	1.690" Long	VG 5619/00
Guide: Alfa Romeo: V-6 DOHC 4V	IN	Std	0.2756" I.D. x	0.4750" O.D. x	1.495" Long	VG 5624/00
Guide: Alfa Romeo: V-6 DOHC 4V	EX	Std	0.2756" I.D. x	0.4750" O.D. x	1.695" Long	VG 5625/00
ASTON MARTIN						
Guide: A. Martin: DB-2/2-4 Wet	IN	Std	0.3420" I.D. x	0.5970" O.D. x	1.660" Long	VG 8902/00
Guide: A. Martin: DB-2/2-4 III	EX	Std	0.3420" I.D. x	0.5970" O.D. x	1.900" Long	VG 8903/00
Guide: A. Martin: DB MKIII Dry	IN	Std	0.3420" I.D. x	0.5340" O.D. x	1.715" Long	VG 8904/00
Guide: A. Martin: DB-4/5/6 DBS	IN	Std	0.3420" I.D. x	0.5530" O.D. x	1.900" Long	VG 8906/00
Guide: A. Martin: DB-4/5/6 DBS	EX	Std	0.3420" I.D. x	0.5530" O.D. x	2.200" Long	VG 8907/00
Guide: A. Martin: V8 I '70-'79	IN	Std	0.3420" I.D. x	0.5530" O.D. x	2.000" Long	VG 8910/00
Guide: A. Martin: V8 I '70-'79	EX	Std	0.3420" I.D. x	0.5530" O.D. x	1.895" Long	VG 8911/00
Guide: A. Martin: V8 II '79-'94	IE	Std	0.3410" I.D. x	0.5525" O.D. x	1.900" Long	VG 8920/00
AUDI / VOLKSWAGEN (water-cooled)						
Guide: Audi: 100; 90 IE; POR924	EX	Std	0.3546" I.D. x	0.5540" O.D. x	2.395" Long	VG 3303/00
Guide: Audi/VW Water: No Flange	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3309/00
Guide: Audi/VW Water: Flanged	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3310/00
Guide: Audi/VW: 17/32" Flange	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3312/00
Guide: Audi/VW: 0.314" ID Flange	IE	Std	0.3142" I.D. x	0.4755" O.D. x	1.455" Long	VG 3315/00
Guide: Audi/VW: Long, No Flange	IE	Std	0.3150" I.D. x	0.4755" O.D. x	1.675" Long	VG 3318/00
Guide: Audi/VW: Long, Flanged	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.675" Long	VG 3319/00
Guide: Audi/VW: Hydraulic Lifter	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3320/00
Guide: Audi/VW: 1.8 DOHC 16V	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.495" Long	VG 3321/00
Guide: Audi/VW: 2.8 V6 SOHC	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.495" Long	VG 3322/00
Guide: Audi/VW: V6 Late 36.5mm	IE	Std	0.2756" I.D. x	0.4750" O.D. x	1.440" Long	VG 3330/00
Guide: Audi: A8 3.7; 4.2 DOHC4/5V	IE	Std	0.2756" I.D. x	0.4750" O.D. x	1.380" Long	VG 3334/00
Guide: Audi: VW Water 5 Valve	IE	Std	0.2360" I.D. x	0.4350" O.D. x	1.415" Long	VG 3338/00
Guide: Audi: 2.0 10V 16V	IE	Std	0.2360" I.D. x	0.4350" O.D. x	1.535" Long	VG 3348/00
AUSTIN: BRITISH LEYLAND						
Guide: Austin: A-40 '47-'54	IE	Std	0.3130" I.D. x	0.5020" O.D. x	2.125" Long	VG 8004/00
Guide: Austin: Marina; A-50/55	IN	Std	0.3444" I.D. x	0.5640" O.D. x	1.875" Long	VG 8020/00
Guide: Austin: Marina; A-50/55	EX	Std	0.3444" I.D. x	0.5640" O.D. x	2.215" Long	VG 8021/00
Guide: Austin/MG: A 803/1098	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.565" Long	VG 8022/00
Guide: Austin/MG: BL A 1275cc	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.685" Long	VG 8025/00
AUSTIN: BRITISH LEYLAND: High-Performance						
Guide: APT: HP: Brit. Leyland: A	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00

* Special Phosphor Bronze High-Performance Valve Guide Material

* All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: APT: HP: Brit. Leyland: A 1275 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00
AUSTIN HEALEY						
Guide: A. Healey: "A" 803/1098	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.565" Long	VG 8022/00
Guide: A. Healey: "A" 1275cc	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.685" Long	VG 8025/00
Guide: APT: HP: Brit. Leyland: A	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: A. Healey: APT 0.281ID	IN	Std	0.2808" I.D. x	0.5020" O.D. x	2.005" Long	VG 8054/00
Guide: A. Healey: APT1275 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00
Guide: A. Healey: 100-4 Early 4	IN	Std	0.3422" I.D. x	0.5645" O.D. x	2.140" Long	VG 8208/00
Guide: A. Healey: 100-4 Early 4	EX	Std	0.3434" I.D. x	0.5645" O.D. x	2.815" Long	VG 8209/00
Guide: A. Healey: 100-6; 3000	IN	Std	0.3434" I.D. x	0.5650" O.D. x	2.205" Long	VG 8210/00
Guide: A. Healey: 100-6; 3000	EX	Std	0.3444" I.D. x	0.5650" O.D. x	2.575" Long	VG 8211/00
AUSTIN HEALEY (BRITISH LEYLAND) High-Performance						
Guide: APT: HP: Brit. Leyland: A	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: APT: HP: Brit. Leyland: A 1275 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00
BMW (automobile) (New Mini)						
Guide: BMW: 4/6Cyl OHC TO9/78	IE	Std	0.3152" I.D. x	0.5540" O.D. x	2.055" Long	VG 1147/00
Guide: BMW: 4/6Cyl OHC FR9/78	IE	Std	0.3152" I.D. x	0.5540" O.D. x	1.995" Long	VG 1160/00
Guide: BMW: 528E; 325E 7mm	IE	Std	0.2756" I.D. x	0.5140" O.D. x	1.770" Long	VG 1164/00
Guide: BMW: Diesel 524D/TD Turbo	EX	Std	0.2756" I.D. x	0.5140" O.D. x	2.050" Long	VG 1168/00
Guide: BMW: M3; M5; M6; M1 4 Valve	IE	Std	0.2756" I.D. x	0.4745" O.D. x	1.775" Long	VG 1170/00
Guide: BMW: V12 5.0; 5.4; 5.6L	IE	Std	0.2756" I.D. x	0.4945" O.D. x	1.715" Long	VG 1180/00
Guide: BMW: 4/6V-8 DOHC 6.00mm 4V	IE	Std	0.2364" I.D. x	0.4945" O.D. x	1.695" Long	VG 1182/00
Guide: BMW: V-8 Late	IE	Std	0.2360" I.D. x	0.3960" O.D. x	1.535" Long	VG 1183/00
Guide: BMW: 335 Diesel 07-On	IE	Std	0.2360" I.D. x	0.4540" O.D. x	1.555" Long	VG 1184/00
Guide: BMW Mini SOHC	IE	Std	0.2360" I.D. x	0.4360" O.D. x	1.650" Long	VG 1191/00
Guide: BMW 5.0 V-8 01-On	IE	Std	0.2360" I.D. x	0.4545" O.D. x	1.560" Long	VG 1192/00
Guide: BMW Mini 6Cyl Late/Late Aveo	EX	Std	0.1970" I.D. x	0.3960" O.D. x	1.650" Long	VG 1195/00
Guide: BMW Mini 6Cyl Late	IN	Std	0.1970" I.D. x	0.3960" O.D. x	1.890" Long	VG 1196/00
Guide: BMW Mini DOHC	IN	Std	0.1970" I.D. x	0.3550" O.D. x	1.615" Long	VG 1198/00
Guide: BMW Mini DOHC	EX	Std	0.1970" I.D. x	0.3550" O.D. x	1.755" Long	VG 1197/00
Guide: BMW 6Cyl - M Late	IE	Std	0.2360" I.D. x	0.4940" O.D. x	1.620" Long	VG 1187/00
Guide: BMW 6Cyl Late/Long	IE	Std	0.2360" I.D. x	0.4745" O.D. x	1.895" Long	VG 1188/00
Guide: BMW M5/6 585 V-10	IE	Std	0.1960" I.D. x	0.4150" O.D. x	1.595" Long	VG 1199/00
Guide: BMW V-10 Valvetronic VG7069/00	EX	Std	0.2360" I.D. x	0.3960" O.D. x	1.930" Long	VG 1146/00
BRIGGS AND STRATTON (U.S.A. manufacture) High-Performance						
Guide: HP: SI: Briggs: 5HP Special (Flange)	IE	Std	0.2500" I.D. x	0.3130" O.D. x	1.540" Long	VG 19356/00
Guide: HP: SI: Briggs: 5HP Street	IE	Std	0.2500" I.D. x	0.3130" O.D. x	1.540" Long	VG 19357/00
Guide: HP: 6.5 Animal	IE	Std	0.2470" I.D. x	0.4460" O.D. x	1.400" Long	VG 19365/00
BRITISH LEYLAND: Austin / MG / Morris						
Guide: MG: TC; TD; TF; TF 1500	IN	Std	0.3163" I.D. x	0.5535" O.D. x	2.330" Long	VG 8014/00
Guide: MG: TC; TD; TF; TF 1500	EX	Std	0.3163" I.D. x	0.5535" O.D. x	2.145" Long	VG 8015/00
Guide: MG: MGA 1600 Twin Cam	IN	Std	0.3435" I.D. x	0.5660" O.D. x	2.065" Long	VG 8016/00
Guide: MG: MGA 1600 Twin Cam	EX	Std	0.3435" I.D. x	0.5660" O.D. x	2.430" Long	VG 8017/00
Guide: MG: MGB; MGA MK.1/MK.II	IN	Std	0.3444" I.D. x	0.5640" O.D. x	1.875" Long	VG 8020/00
Guide: MG: MGB; MGA MK.1/MK.II	EX	Std	0.3444" I.D. x	0.5640" O.D. x	2.215" Long	VG 8021/00
Guide: Austin/MG: A 803/1098	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.565" Long	VG 8022/00
Guide: Austin/MG: BL A 1275cc	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.685" Long	VG 8025/00
Guide: APT: HP: Brit. Leyland: A	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: APT: HP: TRI/MG 0.281ID	IN	Std	0.2808" I.D. x	0.5020" O.D. x	2.005" Long	VG 8054/00
Guide: APT: HP: Brit. Leyland: A 1275 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00
BRITISH LEYLAND: AUSTIN / MG / MORRIS: High-Performance						
Guide: APT: HP: Brit. Leyland: A	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: PB: APT: HP: Brit. Leyland: A	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG P8051/00*
CHRYSLER (recent U.S.A. import and U.S.A. manufacture engines)						
Guide: Chrysler: USA 2.2; 2.5L	IN	Std	0.3140" I.D. x	0.4940" O.D. x	1.580" Long	VG 9004/00
Guide: Chrysler: USA 2.2; 2.5L	EX	Std	0.3140" I.D. x	0.4940" O.D. x	1.700" Long	VG 9005/00
Guide: Chrysler: 2.2 4DOHC 4V-Eagle	IE	Std	0.2756" I.D. x	0.4540" O.D. x	2.300" Long	VG 9008/00
Guide: Chrysler: USA 3.3 V-6 2V	IE	Std	0.3140" I.D. x	0.4940" O.D. x	2.275" Long	VG 9010/00
Guide: Chrysler: USA 3.5 V-6 4V	IE	Std	0.2756" I.D. x	0.4340" O.D. x	2.060" Long	VG 9016/00
Guide: Chrysler: 3.5 4V	EX	Std	0.2750" I.D. x	0.4550" O.D. x	1.700" Long	VG 9017/00
Guide: Chrysler: USA 2.2L 4V	IE	Std	0.2758" I.D. x	0.4940" O.D. x	1.695" Long	VG 9022/00
Guide: Chrysler: 3.7 V-6/4.7 V-8	IE	Std	0.2740" I.D. x	0.4740" O.D. x	1.700" Long	VG 9062/00
Guide: Chrysler: 5.7 Hemi	IE	Std	0.3140" I.D. x	0.5250" O.D. x	2.185" Long	VG 9064/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION	O.D. SIZE		INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Chrysler: 3.3 V-6 01-On	IE	Std	0.2750" I.D. x	0.4940" O.D. x	2.285" Long	VG 9068/00
Guide: Chrysler: Neon 2.0 SOHC 4V	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.850" Long	VG 9036/00
Guide: Chrysler: Neon 2.0 DOHC 4V	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.730" Long	VG 9038/00
Guide: Chrysler: 3.6 6V Late	IE	Std	0.2360" I.D. x	0.4355" O.D. x	1.730" Long	VG 9039/00
Guide: Chrysler: 5.7/6.1 Seal Late	IE	Std	0.3140" I.D. x	0.5250" O.D. x	2.185" Long	VG 9065/00
Guide: Chrysler: 5.7/6.1 Seal Late	IE	Std	0.3140" I.D. x	0.5250" O.D. x	2.815" Long	VG 9065/00
CHRYSLER: U.S.A. Import: Mitsubishi Engines						
Guide: Chrysler/Mitsubishi: 1.6L G32B	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7510/00
Guide: Chrysler/Mitsubishi: 1.6L G32B	EX	Std	0.3152" I.D. x	0.5150" O.D. x	1.890" Long	VG 7511/00
Guide: Chrysler/Mitsubishi: 2.6; 2.0 2V	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.850" Long	VG 7514/00
Guide: Chrysler/Mitsubishi: 2.6; 2.0 2V	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.045" Long	VG 7515/00
Guide: Chrysler/Mitsubishi: 1.5; 1.4G15	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.735" Long	VG 7520/00
Guide: Chrysler/Mitsubishi: 1.5; 1.4G15	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.950" Long	VG 7521/00
Guide: Chrysler/Mitsubishi: Diesel 4D55	IN	Std	0.3152" I.D. x	0.5150" O.D. x	2.795" Long	VG 7530/00
Guide: Chrysler/Mitsubishi: Diesel 4D55	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.920" Long	VG 7531/00
Guide: Chrysler/Mitsubishi: 2.0; 1.6 4V	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.790" Long	VG 7536/00
Guide: Chrysler/Mitsubishi: 2.0; 1.6 4V	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.990" Long	VG 7537/00
Guide: Chrysler/Mitsubishi: V-6 3.0L 2V	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7540/00*
Guide: Chrysler/Mitsubishi: V-6 3.0L 2V	EX	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7541/00*
Guide: Chrysler: Neon DOHC 2.0	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.730" Long	VG 9038/00
Guide: Chrysler: Neon SOHC 2.0	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.890" Long	VG 9036/00
Guide: Chrysler/Mitsubishi: 1.8 SOHC 4V	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.790" Long	VG 7544/00
Guide: Chrysler/Mitsubishi: 1.8 SOHC 4V	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.990" Long	VG 7545/00
Guide: Chrysler/Mitsubishi: 1.8 DOHC 4V	IE	Std	0.2364" I.D. x	0.4360" O.D. x	1.730" Long	VG 7546/00
CHRYSLER: U.S.A. Import: Volkswagen Water-Cooled Engines						
Guide: Chrysler/VW-water: Short Flange	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3310/00
Guide: Chrysler/VW-water: Long Flange	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.675" Long	VG 3319/00
Guide: Chrysler/VW: Hydraulic Lifter	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3320/00
CHRYSLER: "Hemi" Early V-8 Engines						
Guide: Chrysler: 392 Hemi 0.3730	EX	Std	0.3730" I.D. x	0.6885" O.D. x	2.813" Long	VG 11740/00
Guide: Chrysler: 392 Hemi 0.3730	IN	Std	0.3730" I.D. x	0.6890" O.D. x	2.844" Long	VG 11741/00
Guide: Chrysler: 392 Hemi 0.3420	EX	Std	0.3420" I.D. x	0.6885" O.D. x	2.813" Long	VG 11742/00
Guide: Chrysler: 392 Hemi 0.3420	IN	Std	0.3420" I.D. x	0.6890" O.D. x	2.844" Long	VG 11743/00
CHRYSLER: High-Performance: Viper Engines						
Guide: Chrysler: V-10 13.5mm / 0.312	IN	Std	0.3125" I.D. x	0.5350" O.D. x	2.700" Long	VG 9030/00
Guide: Chrysler: V-10 13.5mm / 0.312	EX	Std	0.3125" I.D. x	0.5350" O.D. x	2.750" Long	VG 9031/00
Guide: Chrysler: V-10 13.5mm / 0.309	IN	Std	0.3090" I.D. x	0.5350" O.D. x	2.700" Long	VG 9032/00
Guide: Chrysler: V-10 13.5mm / 0.309	EX	Std	0.3090" I.D. x	0.5350" O.D. x	2.750" Long	VG 9033/00
Guide: Chrysler: V-10 13.5mm / 0.341	IN	Std	0.3410" I.D. x	0.5350" O.D. x	2.700" Long	VG 9034/00
Guide: Chrysler: V-10 13.5mm / 0.341	EX	Std	0.3410" I.D. x	0.5350" O.D. x	2.750" Long	VG 9035/00
Guide: Chrysler: V-10 13mm / 0.312	IE	Std	0.3125" I.D. x	0.5155" O.D. x	2.620" Long	VG 9040/00
Guide: Chrysler: V-10 13mm / 0.309	IE	Std	0.3090" I.D. x	0.5155" O.D. x	2.620" Long	VG 9042/00
Guide: Chrysler: V-10 13mm / 0.341	IE	Std	0.3410" I.D. x	0.5155" O.D. x	2.620" Long	VG 9044/00
CHRYSLER: High-Performance: Special Engines						
Guide: HP: Shelby: Chrysler 3.3L V-6	IN	Std	0.3125" I.D. x	0.4940" O.D. x	2.275" Long	VG 19400/00
Guide: HP: Shelby: Chrysler 3.3L V-6	EX	Std	0.3092" I.D. x	0.4940" O.D. x	2.275" Long	VG 19401/00
Guide: HP: AR: Chrysler: 9398 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.015" Long	VG 19430/00
Guide: HP: AR: Chrysler: 1512 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.310" Long	VG 19431/00
Guide: HP: AR: Chrysler: 1004 0.3420	IE	Std	0.3420" I.D. x	0.5338" O.D. x	2.625" Long	VG 19432/00
Guide: HP: AR: Chrysler: 9556 0.3705	IE	Std	0.3705" I.D. x	0.5020" O.D. x	2.000" Long	VG 19434/00
Guide: HP: AR: Chrysler: 1513 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.525" Long	VG 19435/00
DELOREAN (Renault / Peugeot / Volvo V6 Engines)						
Guide: Delorean: V6 SOHC 2V	IE	Std	0.3152" I.D. x	0.5145" O.D. x	2.000" Long	VG 5312/00
FERRARI						
Guide: Ferrari: 250 I.Plg. V-12	IE	Std	0.3152" I.D. x	0.4760" O.D. x	1.845" Long	VG 5401/00
Guide: Ferrari: Lampredi V-12	IE	Std	0.3546" I.D. x	0.4945" O.D. x	2.050" Long	VG 5402/00
Guide: Ferrari: 250; 272 V-12	IE	Std	0.3152" I.D. x	0.4760" O.D. x	1.750" Long	VG 5403/00
Guide: Ferrari: 330; 365 V12	IE	Std	0.3152" I.D. x	0.5145" O.D. x	1.750" Long	VG 5405/00
Guide: Ferrari: 275; 365 DOHC12	IE	Std	0.3152" I.D. x	0.5145" O.D. x	1.710" Long	VG 5407/00
Guide: Ferrari: 328; 308 V-8 2V	IE	Std	0.3152" I.D. x	0.5145" O.D. x	1.730" Long	VG 5409/00
Guide: Ferrari: 328; 308 V-8 4V	IN	Std	0.2758" I.D. x	0.4755" O.D. x	1.615" Long	VG 5410/00
Guide: Ferrari: 328; 308 V-8 4V	EX	Std	0.2758" I.D. x	0.4755" O.D. x	1.815" Long	VG 5411/00
Guide: Ferrari: F 355 V-8 5V/F-360	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.615" Long	VG 5420/00
Guide: Ferrari: F 355 V-8 5V/F-360	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.730" Long	VG 5421/00
Guide: Ferrari: 456GT V-12 4V	IN	Std	0.2758" I.D. x	0.4755" O.D. x	1.610" Long	VG 5430/00
Guide: Ferrari: 456GT V12 4V	EX	Std	0.2758" I.D. x	0.4755" O.D. x	1.815" Long	VG 5431/00
Guide: Ferrari: 550 Maranello	IN	Std	0.2750" I.D. x	0.4755" O.D. x	1.695" Long	VG 5440/00
Guide: Ferrari: 550 Maranello	EX	Std	0.2750" I.D. x	0.4755" O.D. x	1.815" Long	VG 5441/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Ferrari Testarossa	IE	Std	0.2758" I.D. x	0.4755" O.D. x	1.815" Long	VG 5411/00
Guide: Ferrari 360	IE	Std	0.2364" I.D. x	0.4360" O.D. x	1.730" Long	VG 5422/00
FIAT						
Guide: Fiat: 850; 600/D 4 OHV	IE	Std	0.2758" I.D. x	0.5140" O.D. x	1.800" Long	VG 1720/00
Guide: Fiat: 850; 600 Seal 4 OHV	IE	Std	0.2758" I.D. x	0.5140" O.D. x	1.600" Long	VG 1722/00
Guide: Fiat: Brava 2.0 IE; 124	IN	Std	0.3158" I.D. x	0.5540" O.D. x	1.750" Long	VG 1734/00
Guide: Fiat: 124A/B EX; 1100/D	IE	Std	0.3158" I.D. x	0.5540" O.D. x	1.950" Long	VG 1735/00
Guide: Fiat: X1/9; 128/S 4 SOHC	IE	Std	0.3158" I.D. x	0.5925" O.D. x	1.825" Long	VG 1750/00
Guide: Fiat: 131 IE; Lada 4 OHV	IN	Std	0.3158" I.D. x	0.5545" O.D. x	1.650" Long	VG 1762/00
Guide: Fiat: 131 Lada	EX	Std	0.3158" I.D. x	0.5545" O.D. x	1.905" Long	VG 1763/00
Guide: Fiat: 124/ 124TC 4 DOHC	IE	Std	0.3158" I.D. x	0.5925" O.D. x	1.705" Long	VG 1768/00
Guide: Fiat: X1/9 1500; Strada	IE	Std	0.3158" I.D. x	0.5540" O.D. x	1.825" Long	VG 1772/00
FORD: Recent U.S.A. Import and U.S.A. Manufactured Engines						
Guide: Ford: Escort 1.6; 1.9	IE	Std	0.3178" I.D. x	0.5345" O.D. x	2.500" Long	VG 5930/00
Guide: Ford: 3.8L/230 V-6 OHV	IE	Std	0.3425" I.D. x	0.4995" O.D. x	2.250" Long	VG 9220/00
Guide: Ford: 2.2L DOHC 6mm 4V	IE	Std	0.2362" I.D. x	0.4730" O.D. x	1.420" Long	VG 9228/00
Guide: Ford: SHO 3.0L DOHC 4V	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.575" Long	VG 9232/00
Guide: Ford: 4.6L V-8 SOHC 2V/4V/5.4L	IE	Std	0.2756" I.D. x	0.4955" O.D. x	1.930" Long	VG 9240/00
Guide: Ford: 4.6L V-8 SOHC 3V	EX	Std	0.2360" I.D. x	0.4355" O.D. x	1.730" Long	VG 9038/00
Guide: Ford: 5.0 Coyote 11-On	IE	Std	0.2350" I.D. x	0.4395" O.D. x	1.710" Long	VG 9244/00
Guide: Ford: 5.4 Navigator	IE	Std	0.2760" I.D. x	0.4960" O.D. x	2.500" Long	VG 9245/00
Guide: Ford: 2.0L Zetec DOHC 4V	IE	Std	0.2362" I.D. x	0.4730" O.D. x	1.400" Long	VG 9250/00
Guide: Ford: 3.8L D Port V-6 OHV	IN	Std	0.2756" I.D. x	0.4955" O.D. x	2.050" Long	VG 9256/00
Guide: Ford: 3.8L D Port V-6 OHV	EX	Std	0.2756" I.D. x	0.4955" O.D. x	2.200" Long	VG 9257/00
Guide: Ford: 3.7 Eco Boost	IE	Std	0.2160" I.D. x	0.4360" O.D. x	1.470" Long	VG 9259/00
Guide: Ford: 2.5 Duratec	IE	Std	0.2360" I.D. x	0.4940" O.D. x	1.890" Long	VG 9262/00
Guide: Ford: 3.0 Duratec	IE	Std	0.2170" I.D. x	0.3775" O.D. x	1.460" Long	VG 9258/00
Guide: Ford: 6.0L Diesel 32V	IE	Std	0.2758" I.D. x	0.4395" O.D. x	2.325" Long	VG 9269/00*
<i>*Must mill off factory boss. Will use factory seal .511 seal surface.</i>						
Guide: Ford: 3.7 V6 Eco Boost	IE	Std	0.2150" I.D. x	0.4360" O.D. x	1.420" Long	VG 9259/00
Guide: HP: ARDUN: Ford V8 OHV	IE	Std	0.3732" I.D. x	0.5965" O.D. x	2.500" Long	VG 19220/00
FORD: England						
Guide: Ford: Escort 1.6; 1.9	IE	Std	0.3178" I.D. x	0.5345" O.D. x	2.500" Long	VG 5930/00
Guide: Ford: Sierra RS Trbo 4V	IN	Std	0.2758" I.D. x	0.5140" O.D. x	1.705" Long	VG 5940/00
Guide: Ford: Sierra RS Trbo 4V	EX	Std	0.3152" I.D. x	0.5140" O.D. x	1.685" Long	VG 5941/00
Guide: APT: HP: Ford: 1.6 XFlow	IE	Std	0.2806" I.D. x	0.4711" O.D. x	1.885" Long	VG 8052/00
FORD: Europe / Germany (includes Capri: Escort)						
Guide: Ford: Ger: 1.6 4 OHV	IE	Std	0.3118" I.D. x	0.5020" O.D. x	2.005" Long	VG 5916/00
Guide: Ford: Ger: 1.6 0.439 OD	IE	Std	0.3118" I.D. x	0.4390" O.D. x	2.005" Long	VG 5917/00
Guide: Ford: Ger: 2.0L, & V6	IE	Std	0.3174" I.D. x	0.5020" O.D. x	2.005" Long	VG 5920/00
Guide: Ford: Ger: 2.0 0.314 ID	IE	Std	0.3142" I.D. x	0.4390" O.D. x	2.005" Long	VG 5921/00
Guide: Ford: Ger: 2.0 0.4390 OD	IE	Std	0.3174" I.D. x	0.4390" O.D. x	2.005" Long	VG 5922/00
Guide: Ford: Escort 1.6; 1.9	IE	Std	0.3178" I.D. x	0.5345" O.D. x	2.500" Long	VG 5930/00
Guide: Ford: Sierra RS Trbo 4V	IN	Std	0.2758" I.D. x	0.5140" O.D. x	1.705" Long	VG 5940/00
Guide: Ford: Sierra RS Trbo 4V	EX	Std	0.3152" I.D. x	0.5140" O.D. x	1.685" Long	VG 5941/00
FORD: LOTUS: Ford Engine Based						
Guide: Ford/Lotus: 1.6L 4 DOHC	IN	Std	0.3111" I.D. x	0.5020" O.D. x	1.525" Long	VG 8070/00
Guide: Ford/Lotus: 1.6L 4 DOHC	EX	Std	0.3111" I.D. x	0.5020" O.D. x	1.480" Long	VG 8071/00
FORD: U.S.A Import: Mazda Engines (includes Courier Pick-Up Truck)						
Guide: Ford/Mazda: Early MA; NA; TC	IE	Std	0.3178" I.D. x	0.5535" O.D. x	2.000" Long	VG 7910/00*
Guide: smaller valve stem seal (0.500" / 12.7mm diameter)						
Guide: Ford/Mazda: Late MA; E5; UC	IE	Std	0.3178" I.D. x	0.5535" O.D. x	1.990" Long	VG 7912/00*
<i>*Early Courier applications (pick-up truck)</i>						
Guide: Ford/Mazda: Diesel 2.2 S2	IE	Std	0.3141" I.D. x	0.5020" O.D. x	2.125" Long	VG 7914/00
Guide: Ford/Mazda: 2.0 FE; 2.2 F2	IE	Std	0.3178" I.D. x	0.5535" O.D. x	2.165" Long	VG 7916/00
Guide: Ford/Mazda: Diesel 2.0 D2	IN	Std	0.3161" I.D. x	0.5535" O.D. x	1.600" Long	VG 7920/00
Guide: Ford/Mazda: Diesel 2.0 D2	EX	Std	0.3161" I.D. x	0.5535" O.D. x	1.485" Long	VG 7921/00
Guide: Ford/Mazda: 1.6 B6 SOHC 2V	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.970" Long	VG 7926/00
Guide: Ford/Mazda: 1.6 B6E DOHC 4V	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.910" Long	VG 7930/00
Guide: Ford/Mazda: 2.2 F2 SOHC 3V	IE	Std	0.2758" I.D. x	0.4760" O.D. x	2.090" Long	VG 7934/00
Guide: Ford/Mazda: 2.2 DOHC 4V	IE	Std	0.2758" I.D. x	0.4760" O.D. x	2.090" Long	VG 7936/00
Guide: Ford/Mazda: 3.0 JE SOHC 3V	IN	Std	0.2758" I.D. x	0.4750" O.D. x	2.360" Long	VG 7940/00
Guide: Ford/Mazda: 3.0 JE SOHC 3V	EX	Std	0.3178" I.D. x	0.5535" O.D. x	2.360" Long	VG 7941/00
Guide: Ford/Mazda: V6 3.0 JE DOHC 4V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	2.205" Long	VG 7943/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Ford/Mazda: FS 2.0L DOHC 4V	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.495" Long	VG 7946/00
Guide: Ford/Mazda: T 4.5L SOHC 2V	IE	Std	0.3543" I.D. x	0.5530" O.D. x	1.890" Long	VG 7950/00
Guide: Ford/Mazda: B6/BT18 DOHC 4V	IN	Std	0.2364" I.D. x	0.4355" O.D. x	1.770" Long	VG 7954/00
Guide: Ford/Mazda: B6/BT18 DOHC 4V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	1.810" Long	VG 7955/00
FORD: High-Performance: "BOSS" and "SVO" Applications						
Guide: HP: Ford: SVO/AR289; 302	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.090" Long	VG 19248/00
Guide: HP: Ford: Boss 429 0.372	IE	Std	0.3725" I.D. x	0.5800" O.D. x	2.445" Long	VG 19282/00
Guide: HP: Ford: Boss 429 0.342	IE	Std	0.3420" I.D. x	0.5800" O.D. x	2.445" Long	VG 19280/00
GENERAL MOTORS: Recent U.S.A. Import and U.S.A. Manufactured Engines (Also Daewoo)						
Guide: GM: 1.4/1.6 4 SOHC 43mm	IN	Std	0.3149" I.D. x	0.5020" O.D. x	1.695" Long	VG 9428/00
Guide: GM: 1.4/1.6 4 SOHC 38mm	EX	Std	0.3149" I.D. x	0.5020" O.D. x	1.495" Long	VG 9429/00
Guide: GM: 1.8 SOHC Vin: J/O 2V	IE	Std	0.3152" I.D. x	0.4740" O.D. x	1.690" Long	VG 9430/00
Guide: GM: 1.6/2.0 SOHC 7mm 2V	IE	Std	0.2758" I.D. x	0.4350" O.D. x	1.795" Long	VG 9434/00
Guide: GM: HP: 350FI Aluminum Head	IE	Std	0.3425" I.D. x	0.5575" O.D. x	2.275" Long	VG 9436/00
Guide: GM: 2.8/3.1L OHV AI 2V	IE	Std	0.3152" I.D. x	0.5530" O.D. x	2.080" Long	VG 9438/00
Guide: GM: 2.3L Quad 4 DOHC 4V	IE	Std	0.2758" I.D. x	0.5140" O.D. x	1.735" Long	VG 9440/00
Guide: GM: Saturn 1.9L SOHC 2V	IE	Std	0.2756" I.D. x	0.4495" O.D. x	2.125" Long	VG 9444/00
Guide: GM: Saturn 1.9L DOHC 4V	IE	Std	0.2756" I.D. x	0.4495" O.D. x	1.520" Long	VG 9446/00
Guide: GM/Saab: 2.5 V-6 DOHC 4V - Catera	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.770" Long	VG 9448/00*
Guide: GM/Saab: 2.5 V-6 DOHC 4V - Catera	EX	Std	0.2364" I.D. x	0.3955" O.D. x	1.380" Long	VG 9449/00*
Guide: GM: Chevy Cruz Late 1.4	IE	Std	0.0000" I.D. x	0.0000" O.D. x	0.000" Long	VG 9469/00
Guide: GM: LS1-LS7	IE	Std	0.3140" I.D. x	0.5000" O.D. x	2.105" Long	VG 9470/00
Guide: GM: 2.2L 4 OHV 8mm ID	IN	Std	0.3150" I.D. x	0.5830" O.D. x	2.285" Long	VG 9452/00
Guide: GM: 2.2L 4 OHV 8mm ID	EX	Std	0.3150" I.D. x	0.5830" O.D. x	2.750" Long	VG 9453/00
Guide: GM: 2.2L 4 OHV 7mm ID	IN	Std	0.2756" I.D. x	0.5830" O.D. x	2.750" Long	VG 9456/00
Guide: GM: 2.2L 4 OHV 7mm ID	EX	Std	0.2756" I.D. x	0.5830" O.D. x	2.285" Long	VG 9457/00
Guide: GM: North 4.6L DOHC 4V	IN	Std	0.2362" I.D. x	0.4340" O.D. x	1.700" Long	VG 9460/00
Guide: GM: North 4.6L DOHC 4V	EX	Std	0.2362" I.D. x	0.4340" O.D. x	1.500" Long	VG 9461/00
Guide: GM: 2.4 OHC Late 98-On Vin T	IE	Std	0.23620" I.D.	0.4350" O.D. x	1.650" Long	VG 9474/00
Guide: GM: 350 Truck 1985-00 11/32	EX	Std	0.3412" I.D. x	0.6210" O.D. x	2.215" Long	VG 11857/00
Guide: HP: GM: ZR-1 350 DOHC 4V	IN	Std	0.3149" I.D. x	0.5000" O.D. x	1.575" Long	VG 19292/00
Guide: HP: GM: ZR-1 350 DOHC 4V	EX	Std	0.3149" I.D. x	0.5000" O.D. x	1.695" Long	VG 19293/00
Guide: GM Ecotec 2.2	IE	Std	0.2360" I.D. x	0.3955" O.D. x	1.415" Long	VG 94112/00
Guide: GM: AVEO 1.5	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.730" Long	VG 9038/00
Guide: GM: 2.2 OHV 99-On	IE	Std	0.2750" I.D. x	0.5130" O.D. x	2.285" Long	VG 9490/00
Guide: GM: Buick 425 CI V-8 OHV	IN	Std	0.3740" I.D. x	0.6270" O.D. x	2.565" Long	VG 11736/00
GENERAL MOTORS: Cadillac Engine Applications: Northstar Engines						
Guide: GM: 3.6 DOHC 05-On	IE	Std	0.2360" I.D. x	0.4360" O.D. x	1.655" Long	VG 1191/00
Guide: GM: North 4.6L DOHC 4V	IN	Std	0.2362" I.D. x	0.4340" O.D. x	1.700" Long	VG 9460/00
Guide: GM: North 4.6L DOHC 4V	EX	Std	0.2362" I.D. x	0.4340" O.D. x	1.500" Long	VG 9461/00
GENERAL MOTORS: Chevrolet "Big Block" and Other Special Large Displacement Engines						
Guide: GM: Chevy Big Block 0.373	IN	Std	0.3730" I.D. x	0.6260" O.D. x	2.435" Long	VG 11825/00
Guide: GM: Chevy Big Block 0.373	EX	Std	0.3730" I.D. x	0.6210" O.D. x	2.565" Long	VG 11826/00
Guide: GM: Chevy Big Block 0.310	IN	Std	0.3100" I.D. x	0.6260" O.D. x	2.435" Long	VG 11827/00
Guide: GM: Chevy Big Block 0.310	EX	Std	0.3100" I.D. x	0.6210" O.D. x	2.565" Long	VG 11828/00
Guide: GM: Chevy Big Block 0.341	IN	Std	0.3410" I.D. x	0.6260" O.D. x	2.435" Long	VG 11829/00
Guide: GM: Chevy Big Block 0.341	EX	Std	0.3410" I.D. x	0.6210" O.D. x	2.565" Long	VG 11830/00
Guide: GM: Chevy Big Block 0.371	IN	Std	0.3710" I.D. x	0.6260" O.D. x	2.435" Long	VG 11831/00
Guide: GM: Chevy Big Block 0.371	EX	Std	0.3710" I.D. x	0.6210" O.D. x	2.565" Long	VG 11832/00
Guide: GM: 454 Large Nose 0.373	EX	Std	0.3730" I.D. x	0.6190" O.D. x	2.440" Long	VG 11841/00
Guide: GM: 454 Large Nose 0.310	EX	Std	0.3100" I.D. x	0.6190" O.D. x	2.440" Long	VG 11843/00
Guide: GM: 454 Large Nose 0.341	EX	Std	0.3410" I.D. x	0.6190" O.D. x	2.440" Long	VG 11845/00
Guide: GM: Duramax Diesel	IE	Std	0.2750" I.D. x	0.4550" O.D. x	1.990" Long	VG 11846/00
GENERAL MOTORS: Chevrolet: Corvair Engines (air-cooled)						
Guide: GM: Chevy Corvair	IE	Std	0.3434" I.D. x	0.5185" O.D. x	2.205" Long	VG 11024/00
GENERAL MOTORS: Cosworth Vega Cylinder Head 4 Valve Engines						
Guide: Chevy: Cosworth Vega 4V	IN	Std	0.2805" I.D. x	0.4400" O.D. x	1.670" Long	VG 9092/00
Guide: Chevy: Cosworth Vega 4V	EX	Std	0.2805" I.D. x	0.4400" O.D. x	1.670" Long	VG 9093/00
GENERAL MOTORS: Europe: Opel / Vauxhall, Etc.						
Guide: GM: Vauxhall: 2262cc '52-'61	IE	Std	0.3120" I.D. x	0.5330" O.D. x	2.500" Long	VG 9404/00
Guide: GM: Vauxhall: 1508cc 4Cyl	IE	Std	0.3120" I.D. x	0.5330" O.D. x	2.313" Long	VG 9414/00
Guide: GM: Vauxhall: 2262cc '60-'61	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.000" Long	VG 9426/00
Guide: GM/Opel: 2.5 V-6 DOHC 4V	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.770" Long	VG 9448/00
Guide: GM/Opel: 2.5 V-6 DOHC 4V	EX	Std	0.2364" I.D. x	0.3955" O.D. x	1.380" Long	VG 9449/00*
*GM Europe Opel Engine: new U.S.A. application: Saab new 2.5 liter V6 engine						
GENERAL MOTORS						
Guide: GM: Saturn 1.9L SOHC 2V	IE	Std	0.2756" I.D. x	0.4495" O.D. x	2.520" Long	VG 9444/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: GM: Saturn 1.9L DOHC 4V	IE	Std	0.2756" I.D. x	0.4495" O.D. x	1.520" Long	VG 9446/00
GENERAL MOTORS: U.S.A. Import: Isuzu Engines: GEO and includes Chevrolet "Luv" Pick-Up Trucks						
Guide: GM/Isuzu: Chevy Luv: Ser 1-4	IN	Std	0.3149" I.D. x	0.4750" O.D. x	1.910" Long	VG 7610/00
Guide: GM/Isuzu: Chevy Luv: Ser 1-4	EX	Std	0.3149" I.D. x	0.4750" O.D. x	1.990" Long	VG 7611/00
Guide: GM/Isuzu: Chevy Luv: Ser 5-12	IN	Std	0.3149" I.D. x	0.4750" O.D. x	1.815" Long	VG 7614/00
Guide: GM/Isuzu: Chevy Luv: Ser 5-12	EX	Std	0.3149" I.D. x	0.4750" O.D. x	2.165" Long	VG 7615/00
Guide: GM/Isuzu: 1.5 SOHC 4xC1 2V	IN	Std	0.2758" I.D. x	0.4560" O.D. x	1.695" Long	VG 7626/00
Guide: GM/Isuzu: 1.5 SOHC 4xC1 2V	EX	Std	0.2758" I.D. x	0.4560" O.D. x	1.970" Long	VG 7627/00
Guide: GM/Isuzu: 1.6 SOHC 4xE1 3V	IN	Std	0.2364" I.D. x	0.4355" O.D. x	1.655" Long	VG 7640/00
Guide: GM/Isuzu: 1.6 SOHC 4xE1 3V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	1.850" Long	VG 7641/00
Guide: GM/Isuzu: 3.2 SOHC 6VD1 4V	IN	Std	0.2364" I.D. x	0.4355" O.D. x	1.810" Long	VG 7650/00
GENERAL MOTORS: U.S.A. Import: Suzuki Engines: GEO						
Guide: GM/Suzuki: 1.3; 1.0 SOHC 2V	IE	Std	0.2758" I.D. x	0.4765" O.D. x	1.890" Long	VG 7720/00
Guide: GM/Suzuki: 1.0 SOHC G10 2V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	1.260" Long	VG 7726/00
Guide: GM/Suzuki: 1.0 SOHC G10 2V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	1.695" Long	VG 7730/00
Guide: GM/Suzuki: 1.3 DOHC G13 4V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	2.280" Long	VG 7734/00
GENERAL MOTORS: U.S.A. Import: Toyota Engines: GEO / NOVA						
Guide: GM/Toyota: 4AC/LC; 3AC; 1AC	IN	Std	0.2758" I.D. x	0.4550" O.D. x	1.695" Long	VG 7252/00
Guide: GM/Toyota: 4AC/LC; 3AC; 1AC	EX	Std	0.2758" I.D. x	0.4550" O.D. x	1.930" Long	VG 7253/00
Guide: GM/Toyota: 4A-G; 2/3VZ-FE	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7280/00
Guide: GM/Toyota: TRD: 4A-GE-/GZE	IN	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7282/00
Guide: GM/Toyota: TRD: 4A-GE-/GZE	EX	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7283/00
Guide: GM/Toyota: 5A- / 4A-F/FC/FE	IE	Std	0.2362" I.D. x	0.4355" O.D. x	1.515" Long	VG 7296/00
GENERAL MOTORS: High-Performance Engine Applications						
Guide: HP: GM: Bowtie 0.341 ID	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.000" Long	VG 19262/00
Guide: HP: GM: 350FI Aluminum Head	IE	Std	0.3425" I.D. x	0.5575" O.D. x	2.275" Long	VG 19290/00
Guide: HP: GM: ZR-1 350 DOHC 4V	IN	Std	0.3149" I.D. x	0.5000" O.D. x	1.575" Long	VG 19292/00
Guide: HP: GM: ZR-1 350 DOHC 4V	EX	Std	0.3149" I.D. x	0.5000" O.D. x	1.695" Long	VG 19293/00
Guide: HP: GM: 18° Aluminum Head	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.250" Long	VG 19294/00
Guide: HP: GM: 18° Aluminum Head Uni	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.400" Long	VG 19296/00
Guide: HP: GM: SB 15° Aluminum Head	IE	Std	0.3090" I.D. x	0.5020" O.D. x	2.050" Long	VG 19506/00
HILLMAN / SUNBEAM: Standard - Rover - Triumph ie. Roots Group						
Guide: Hillman/Sunbeam: Early	IN	Std	0.3124" I.D. x	0.5640" O.D. x	2.160" Long	VG 8108/00
Guide: Hillman/Sunbeam: Early	EX	Std	0.3124" I.D. x	0.5640" O.D. x	2.440" Long	VG 8109/00
Guide: Hillman/Sunbeam: Late	IN	Std	0.3124" I.D. x	0.5640" O.D. x	2.005" Long	VG 8113/00
Guide: Hillman/Sunbeam: Late	EX	Std	0.3124" I.D. x	0.5640" O.D. x	2.170" Long	VG 8114/00
Guide: Hillman/Sunbeam: IMP	IN	Std	0.2806" I.D. x	0.5025" O.D. x	1.520" Long	VG 8115/00
Guide: Hillman/Sunbeam: IMP	EX	Std	0.2806" I.D. x	0.5025" O.D. x	1.465" Long	VG 8116/00
HONDA (Acura)						
Guide: Honda: 600 2 Cylinder SOHC 2V	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.985" Long	VG 7108/00
Guide: Honda: 600 2 Cylinder SOHC 2V	EX	Std	0.2601" I.D. x	0.4755" O.D. x	2.350" Long	VG 7109/00
Guide: Honda: EB/D/F/J 6.6mm	IN	Std	0.2601" I.D. x	0.4750" O.D. x	2.045" Long	VG 7110/00
Guide: Honda: EB1/2; ED1/2 6.6mm	IN	Std	0.2601" I.D. x	0.4750" O.D. x	2.480" Long	VG 7111/00
Guide: Honda: ED/F/J/M 6.6mm	EX	Std	0.2601" I.D. x	0.4750" O.D. x	2.175" Long	VG 7113/00
Guide: Honda: EB3 Non-VCVC 2V	EX	Std	0.2601" I.D. x	0.4750" O.D. x	2.240" Long	VG 7115/00
Guide: Honda: EK-1 6.6mm ID	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.970" Long	VG 7116/00
Guide: Honda: EK-1 6.6mm ID	EX	Std	0.2601" I.D. x	0.4750" O.D. x	2.175" Long	VG 7117/00
Guide: Honda: EK-1 7.0mm ID	IN	Std	0.2758" I.D. x	0.4750" O.D. x	1.970" Long	VG 7120/00
Guide: Honda: BS/T; EK1 7mm ID	EX	Std	0.2758" I.D. x	0.4750" O.D. x	2.175" Long	VG 7121/00
Guide: Honda: BS; BT; ES/T/V/W	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.970" Long	VG 7124/00
Guide: Honda: Acura D16/18 4V	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.775" Long	VG 7128/00
Guide: Honda: Acura D16/18 4V	EX	Std	0.2601" I.D. x	0.4750" O.D. x	1.970" Long	VG 7129/00
Guide: Honda: Acura V-6: C25/27	IN	Std	0.2601" I.D. x	0.4750" O.D. x	1.850" Long	VG 7130/00
Guide: Honda: Acura V-6: C25/27	EX	Std	0.2601" I.D. x	0.4750" O.D. x	2.085" Long	VG 7131/00
Guide: Honda: D15/16 SOHC 2/4V	IN	Std	0.2167" I.D. x	0.4360" O.D. x	1.870" Long	VG 7134/00
Guide: Honda: D15/16 SOHC 2/4V	EX	Std	0.2167" I.D. x	0.4360" O.D. x	2.120" Long	VG 7135/00
Guide: Honda: H23 DOHC 4V V-Tec	EX	Std	0.2601" I.D. x	0.4750" O.D. x	1.695" Long	VG 7151/00
Guide: Honda: H22 DOHC V-Tec	IN	Std	0.2170" I.D. x	0.4750" O.D. x	1.710" Long	VG 7160/00
Guide: Honda: H22 DOHC V-Tec	EX	Std	0.2170" I.D. x	0.4750" O.D. x	2.045" Long	VG 7161/00
Guide: Honda: S2000 K20C	IN	Std	0.2170" I.D. x	0.4360" O.D. x	1.635" Long	VG 7170/00
Guide: Honda: S2000 K20C	EX	Std	0.2170" I.D. x	0.4360" O.D. x	1.635" Long	VG 7171/00
Guide: Honda: RSX K20A/B	IN	Std	0.2170" I.D. x	0.4360" O.D. x	1.635" Long	VG 7180/00
Guide: Honda: RSX K20A/B	EX	Std	0.2170" I.D. x	0.4360" O.D. x	1.790" Long	VG 7181/00
Guide: 2.2 SOHC/V-TEC	IE	Std	0.2170" I.D. x	0.4360" O.D. x	1.870" Long	VG 7134/00
HYUNDAI: Mitsubishi Based Engine Designs						
Guide: Hyundai: 1.6 4G32	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7510/00
Guide: Hyundai: 1.6 4G32	EX	Std	0.3152" I.D. x	0.5150" O.D. x	1.890" Long	VG 7511/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Hyundai: Sonata 2.4 2V	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.850" Long	VG 7514/00
Guide: Hyundai: Sonata 2.4 2V	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.045" Long	VG 7515/00
Guide: Hyundai: Excel 1.5 2V	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.735" Long	VG 7520/00
Guide: Hyundai: Excel 1.5 2V	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.950" Long	VG 7521/00
Guide: Hyundai: Diesel 4D55	IN	Std	0.3152" I.D. x	0.5150" O.D. x	2.795" Long	VG 7530/00
Guide: Hyundai: Diesel 4D55	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.920" Long	VG 7531/00
Guide: Hyundai: 1.6; 2.0L 4V	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.790" Long	VG 7536/00
Guide: Hyundai: 1.6; 2.0L 4V	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.990" Long	VG 7537/00
Guide: Hyundai: Sonata V-6 G6AT	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7540/00
<i>*Flanged intake valve guide</i>						
Guide: Hyundai: Sonata V-6 G6AT	EX	Std	0.3152" I.D. x	0.5150" O.D. x	1.890" Long	VG 7541/00
<i>*Flanged exhaust valve guide</i>						
Guide: Hyundai/Mitsubishi: 1.8 SOHC 4V	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.790" Long	VG 7544/00
Guide: Hyundai/Mitsubishi: 1.8 SOHC 4V	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.990" Long	VG 7545/00
Guide: Hyundai/Mitsubishi: 1.8 DOHC 4V	IE	Std	0.2364" I.D. x	0.4360" O.D. x	1.730" Long	VG 7546/00
DAEWOO						
Guide: Daewoo 1.6	IE	Std	0.2355" I.D. x	0.4360" O.D. x	1.735" Long	VG 9038/00
Guide: Chevy Aveo 1.6	IE	Std	0.2355" I.D. x	0.4360" O.D. x	1.735" Long	VG 9038/00
Guide: Daewoo 2.2	EX	Std	0.2364" I.D. x	0.3955" O.D. x	1.380" Long	VG 9449/00
Guide: Daewoo 2.2	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.770" Long	VG 9448/00
INFINITY (by Nissan)						
G 20:						
Guide: Infiniti: SR20DE DOHC 4V	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.635" Long	VG 7084/00
Guide: Infiniti: SR20DE DOHC 4V	EX	Std	0.2364" I.D. x	0.3955" O.D. x	1.695" Long	VG 7085/00
J 30:						
Guide: Infiniti: 6 DOHC VG30 4V	IN	Std	0.2364" I.D. x	0.3950" O.D. x	1.810" Long	VG 7068/00
Guide: Infiniti: 6 DOHC VG30 4V	EX	Std	0.2364" I.D. x	0.3950" O.D. x	1.930" Long	VG 7069/00
M 30:						
Guide: Infiniti: 6 SOHC VG30 2V	IN	Std	0.2758" I.D. x	0.4345" O.D. x	2.315" Long	VG 7060/00
Guide: Infiniti: 6 SOHC VG30 2V	EX	Std	0.3152" I.D. x	0.4740" O.D. x	2.520" Long	VG 7061/00
Q45 / Q45T:						
Guide: Infiniti: Q45T 8 DOHC 4V	IN	Std	0.2758" I.D. x	0.4350" O.D. x	1.575" Long	VG 7078/00
Guide: Infiniti: Q45T 8 DOHC 4V	EX	Std	0.3152" I.D. x	0.4745" O.D. x	1.575" Long	VG 7079/00
ISUZU: includes General Motors Import: Chevrolet "Luv" Pick-Up Trucks						
Guide: Isuzu/Chevy Luv: Ser 1-4	IN	Std	0.3149" I.D. x	0.4850" O.D. x	1.910" Long	VG 7610/00
Guide: Isuzu/Chevy Luv: Ser 1-4	EX	Std	0.3149" I.D. x	0.4850" O.D. x	1.990" Long	VG 7611/00
Guide: Isuzu/Chevy Luv: Ser 5-12	IN	Std	0.3149" I.D. x	0.4850" O.D. x	1.8156" Long	VG 7614/00
<i>*225Acc 4 cylinder SOHC engine no. 4ZD1 1986-91: Amigo; Impulse; Trooper II; Pick-Up</i>						
Guide: Isuzu/Chevy Luv: Ser 5-12	EX	Std	0.3149" I.D. x	0.4850" O.D. x	2.165" Long	VG 7615/00
<i>*2259cc 4 cylinder SOHC engine no. 4ZE1 1988-91: Amigo; Trooper II; Pick-Up</i>						
Guide: Isuzu: Diesel 1.8L 4FB1	IE	Std	0.3149" I.D. x	0.4750" O.D. x	2.360" Long	VG 7618/00
Guide: Isuzu: Diesel 2.2L C223/T	IE	Std	0.3149" I.D. x	0.5530" O.D. x	1.970" Long	VG 7620/00
Guide: Isuzu: 1.5 SOHC 4xC1 2V	IN	Std	0.2758" I.D. x	0.4560" O.D. x	1.695" Long	VG 7626/00
Guide: Isuzu: 1.5 SOHC 4xC1 2V	EX	Std	0.2758" I.D. x	0.4560" O.D. x	1.970" Long	VG 7627/00
Guide: Isuzu: 1.6 SOHC IN; DOHC	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.655" Long	VG 7640/00
Guide: Isuzu: 1.6 SOHC 4xE1 3V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	1.850" Long	VG 7641/00
Guide: Isuzu: 3.2 SOHC 6VD1 4V	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.810" Long	VG 7650/00
JAGUAR						
Guide: Jaguar: Early 6 OHV 2V	IE	Std	0.3115" I.D. x	0.6265" O.D. x	2.875" Long	VG 8650/00
Guide: Jaguar: 6 DOHC 2 Valve	IN	Std	0.3114" I.D. x	0.5020" O.D. x	1.860" Long	VG 8661/00
Guide: Jaguar: 6 DOHC EX/ V-12	IN	Std	0.3114" I.D. x	0.5020" O.D. x	1.955" Long	VG 8663/00*
<i>*Also used for 3.6 liter and 4.0 liter 4 valve/cylinder intake and exhaust valve guides</i>						
Guide: Jaguar: V-12 SOHC Non HE	EX	Std	0.3114" I.D. x	0.5020" O.D. x	2.125" Long	VG 8665/00
Guide: Jaguar: V-12 SOHC HE	EX	Std	0.3114" I.D. x	0.5020" O.D. x	1.725" Long	VG 8667/00
Guide: Jaguar 4.0 AJ 16 7mm	IE	Std	0.2745" I.D. x	0.4350" O.D. x	1.915" Long	VG 8670/00
Guide: Jaguar 4.2 97-On 5mm	IE	Std	0.1960" I.D. x	0.3960" O.D. x	1.425" Long	VG 8680/00
JENSEN-HEALEY: Lotus Type 907 Based Engines						
Guide: Jensen-Healey: Lotus 907	IE	Std	0.2814" I.D. x	0.4710" O.D. x	2.100" Long	VG 8077/00
Guide: Jensen-Healey: w/Seal	IE	Std	0.2814" I.D. x	0.4710" O.D. x	1.950" Long	VG 8078/00
Guide: Jensen-Healey: D. Bean Seal	IE	Std	0.2814" I.D. x	0.4710" O.D. x	1.950" Long	VG 8082/00
KIA						
Guide: Kia Rio 1.5/1.6 DOHC	IE	Std	0.2170" I.D. x	0.3760" O.D. x	1.645" Long	VG 7581/00
LAMBORGHINI						
Guide: Lamborghini: V-12 Ser 1	IE	Std	0.3149" I.D. x	0.5140" O.D. x	1.750" Long	VG 5201/00
Guide: Lamborghini: V-8 JALPA	IE	Std	0.3149" I.D. x	0.5930" O.D. x	2.000" Long	VG 5210/00
Guide: Lamborghini: CNTACH 2V	IE	Std	0.3149" I.D. x	0.5145" O.D. x	1.620" Long	VG 5220/00
Guide: Lamborghini: CNTACH 4V	IN	Std	0.2758" I.D. x	0.4755" O.D. x	1.520" Long	VG 5224/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Lamborghini: CNTACH 4V	EX	Std	0.2758" I.D. x	0.4755" O.D. x	1.670" Long	VG 5225/00
Guide: Lamborghini: Diablo 4V	IN	Std	0.2746" I.D. x	0.4755" O.D. x	1.640" Long	VG 5230/00
Guide: Lamborghini: Diablo 4V	EX	Std	0.2746" I.D. x	0.4755" O.D. x	1.670" Long	VG 5231/00
LANCIA: Fiat Based Engines						
Guide: Lancia: 2.0 Fiat 132C 2V	IE	Std	0.3158" I.D. x	0.5540" O.D. x	1.750" Long	VG 1734/00
Guide: Lancia: 1.8 Fiat 132A 2V	IE	Std	0.3158" I.D. x	0.5925" O.D. x	1.750" Long	VG 1768/00
LEXUS: (See Toyota)						
ES 250:						
Guide: Toyota: 2/3VG-FE; 4A-G	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7280/00
Guide: Toyota: TRD: 4A-GE/-GZE	IN	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7282/00
Guide: Toyota: TRD: 4A-GE/-GZE	EX	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7283/00
ES 300:						
Guide: Toyota: 2/3VZ-FE; 4A-G	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7280/00
Guide: Toyota: TRD: 4A-GE/-GZE	IN	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7282/00
Guide: Toyota: TRD: 4A-GE/-GZE	EX	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7283/00
Guide: Toyota: TRD: 3VZ-E V6 SOHC	IE	Std	0.3152" I.D. x	0.5140" O.D. x	1.810" Long	VG 7298/00
LOTUS: All Engines: Includes Both Ford and Renault Manufactured Engines						
Guide: Lotus: Ford: 1.6L 4 DOHC	IN	Std	0.3111" I.D. x	0.5020" O.D. x	1.525" Long	VG 8070/00
Guide: Lotus: Ford: 1.6L 4 DOHC	EX	Std	0.3111" I.D. x	0.5020" O.D. x	1.480" Long	VG 8071/00
Guide: Lotus: 907; & Jensen Healey	IE	Std	0.2814" I.D. x	0.4710" O.D. x	2.100" Long	VG 8077/00
Guide: Lotus: 907 Seal ; & Jensen Healey	IE	Std	0.2814" I.D. x	0.4710" O.D. x	1.950" Long	VG 8078/00
Guide: Lotus: 910 Turbo 8mm ID	EX	Std	0.3156" I.D. x	0.4710" O.D. x	2.100" Long	VG 8079/00
Guide: Lotus: 910 Turbo Seal	EX	Std	0.3156" I.D. x	0.4710" O.D. x	1.950" Long	VG 8080/00
Guide: Lotus/Jensen Healey: D. Bean Seal	IE	Std	0.2814" I.D. x	0.4710" O.D. x	1.950" Long	VG 8082/00
Guide: Lotus/Renault: 1.5/1.6L 2V	IE	Std	0.3152" I.D. x	0.5180" O.D. x	1.935" Long	VG 5118/00
Guide: Lotus/Renault: 1.5/1.6L 2V	IN	Std	0.3152" I.D. x	0.5180" O.D. x	1.580" Long	VG 5124/00*
MASERATI						
Guide: Maserati: A6; A6G; A6GCS	IN	Std	0.5117" I.D. x	0.7905" O.D. x	2.585" Long	VG 5502/00
Guide: Maserati: A6; A6G; A6GCS	EX	Std	0.5117" I.D. x	0.7905" O.D. x	3.065" Long	VG 5503/00
Guide: Maserati: 6 DOHC No Seal	IN	Std	0.3114" I.D. x	0.5925" O.D. x	2.245" Long	VG 5504/00
Guide: Maserati: 6 DOHC No Seal	EX	Std	0.3114" I.D. x	0.5925" O.D. x	2.440" Long	VG 5505/00
Guide: Maserati: 6 DOHC Seal	IN	Std	0.3114" I.D. x	0.5925" O.D. x	2.070" Long	VG 5506/00
Guide: Maserati: 6 DOHC Seal	EX	Std	0.3114" I.D. x	0.5925" O.D. x	2.225" Long	VG 5507/00
Guide: Maserati: V-8 DOHC Seal	IN	Std	0.3114" I.D. x	0.5925" O.D. x	1.890" Long	VG 5508/00
Guide: Maserati: V-8 DOHC Plain	EX	Std	0.3114" I.D. x	0.5925" O.D. x	2.165" Long	VG 5509/00
Guide: Maserati: V-8 DOHC Seal	EX	Std	0.3114" I.D. x	0.5925" O.D. x	1.995" Long	VG 5511/00
Guide: Maserati: V-6 DOHC Seal	IN	Std	0.3156" I.D. x	0.5925" O.D. x	1.355" Long	VG 5512/00
Guide: Maserati: V-6 DOHC Plain	EX	Std	0.3546" I.D. x	0.5925" O.D. x	1.790" Long	VG 5513/00
Guide: Maserati: V-6 DOHC Seal	EX	Std	0.3546" I.D. x	0.5925" O.D. x	1.755" Long	VG 5515/00
Guide: Maserati: Bi-Turbo V-6	IE	Std	0.2766" I.D. x	0.5135" O.D. x	1.695" Long	VG 5520/00
MAZDA						
Guide: Mazda: 1200 Engine TB	IN	Std	0.2758" I.D. x	0.4750" O.D. x	2.010" Long	VG 7908/00
Guide: Mazda: 1200 Engine TB	EX	Std	0.2758" I.D. x	0.4750" O.D. x	1.930" Long	VG 7909/00
Guide: Mazda: Early MA; NA; TC	IE	Std	0.3178" I.D. x	0.5535" O.D. x	2.000" Long	VG 7910/00*
Guide: Mazda: Late MA; E5; UC	IE	Std	0.3178" I.D. x	0.5535" O.D. x	1.990" Long	VG 7912/00*
Guide: Mazda: 2.3 Duratec	IE	Std	0.2170" I.D. x	0.4350" O.D. x	1.535" Long	VG 7959/00
Guide: Mazda: 1.8 Late 01-On	IE	Std	0.2360" I.D. x	0.4350" O.D. x	1.910" Long	VG 7958/00
Guide: Mazda: Diesel 2.2L S2	IE	Std	0.3141" I.D. x	0.5020" O.D. x	2.125" Long	VG 7914/00
Guide: Mazda: 2.0 FWD FE; 2.2 F2	IE	Std	0.3178" I.D. x	0.5535" O.D. x	2.165" Long	VG 7916/00
Guide: Mazda: Diesel 2.0L D2	IN	Std	0.3161" I.D. x	0.5535" O.D. x	1.600" Long	VG 7920/00
Guide: Mazda: Diesel 2.0L D2	EX	Std	0.3161" I.D. x	0.5535" O.D. x	1.485" Long	VG 7921/00
Guide: Mazda: 1.6L B6 SOHC 2V	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.970" Long	VG 7926/00
Guide: Mazda: 1.6L B6 DOHC 4V	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.910" Long	VG 7930/00
Guide: Mazda: 2.2L F2 SOHC 3V	IE	Std	0.2758" I.D. x	0.4760" O.D. x	2.090" Long	VG 7934/00
Guide: Mazda: 2.2L 4 DOHC 4V	IE	Std	0.2758" I.D. x	0.4760" O.D. x	2.090" Long	VG 7936/00
Guide: Mazda: V6 3.0JE SOHC 3V	IN	Std	0.2758" I.D. x	0.4750" O.D. x	2.360" Long	VG 7940/00
Guide: Mazda: V6 3.0JE SOHC 3V	EX	Std	0.3178" I.D. x	0.5535" O.D. x	2.360" Long	VG 7941/00
Guide: Mazda: V6 3.0JE DOHC 4V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	2.205" Long	VG 7943/00
Guide: Mazda: FS 2.0L DOHC 4V	IE	Std	0.2364" I.D. x	0.4355" O.D. x	1.495" Long	VG 7946/00
Guide: Mazda: T 4.5L SOHC 2V	IE	Std	0.3543" I.D. x	0.5530" O.D. x	1.890" Long	VG 7950/00
Guide: Mazda: B6/BT 1.8 DOHC 4V	IN	Std	0.2364" I.D. x	0.4355" O.D. x	1.770" Long	VG 7954/00
Guide: Mazda: B6/BT 1.8 DOHC 4V	EX	Std	0.2364" I.D. x	0.4355" O.D. x	1.810" Long	VG 7955/00
Guide: Mazda: 1.8 01-On	IE	Std	0.2360" I.D. x	0.4355" O.D. x	1.935" Long	VG 7956/00
Guide: Mazda: 1.8 MX5 06-On	IE	Std	0.2360" I.D. x	0.4355" O.D. x	1.915" Long	VG 7958/00
Guide: Mazda: 2.3 323 01-On	IE	Std	0.2170" I.D. x	0.4350" O.D. x	1.540" Long	VG 7959/00
MERCEDES BENZ						
Guide: Mercedes Benz: 170/180D OM636	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.500" Long	VG 2612/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Mercedes Benz: 300/SL/S M198	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.600" Long	VG 2614/00
Guide: Mercedes Benz: 300/SL/S M198	EX	Std	0.4724" I.D. x	0.6710" O.D. x	2.755" Long	VG 2615/00
Guide: Mercedes Benz: 170/180 OM636	EX	Std	0.3543" I.D. x	0.5530" O.D. x	2.300" Long	VG 2624/00
Guide: Mercedes Benz: 220; 190; 180 TEF	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.640" Long	VG 2627/00
Guide: Mercedes Benz: 220; 190; 180 TEF	EX	Std	0.3937" I.D. x	0.5530" O.D. x	2.245" Long	VG 2628/00
Guide: Mercedes Benz: 220; 180 Viton	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.405" Long	VG 2629/00
Guide: Mercedes Benz: 220; 180 Viton	EX	Std	0.3937" I.D. x	0.5530" O.D. x	2.010" Long	VG 2630/00
Guide: Mercedes Benz: 220SEB/C; SB/B	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.580" Long	VG 2643/00
Guide: Mercedes Benz: Diesel 10mm ID	IN	Std	0.3937" I.D. x	0.5530" O.D. x	2.400" Long	VG 2645/00
Guide: Mercedes Benz: Diesel 10mm ID	EX	Std	0.3937" I.D. x	0.5530" O.D. x	1.950" Long	VG 2646/00
Guide: Mercedes Benz: 600; 300SEL/6.3	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.440" Long	VG 2648/00
Guide: Mercedes Benz: 600; 300SEL/6.3	EX	Std	0.4724" I.D. x	0.6315" O.D. x	2.325" Long	VG 2649/00
Guide: Mercedes Benz: 230SL 10x14mm	EX	Std	0.3937" I.D. x	0.5530" O.D. x	1.970" Long	VG 2652/00
Guide: Mercedes Benz: 300SEB/L M189	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.285" Long	VG 2656/00
Guide: Mercedes Benz: 300SEB/L M189	EX	Std	0.4724" I.D. x	0.6315" O.D. x	2.285" Long	VG 2657/00
Guide: Mercedes Benz: 230 100mm x 15mm	EX	Std	0.3937" I.D. x	0.5925" O.D. x	1.890" Long	VG 2658/00
Guide: Mercedes Benz: 280 SOHC; 250	EX	Std	0.4331" I.D. x	0.5925" O.D. x	1.775" Long	VG 2659/00
Guide: Mercedes Benz: 280 SOHC; 250	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.165" Long	VG 2667/00
Guide: Mercedes Benz: 280 SOHC Viton	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.165" Long	VG 2668/00
Guide: Mercedes Benz: 6.9; 450SEL/6.9	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.365" Long	VG 2674/00
Guide: Mercedes Benz: 6.9; 450SEL/6.9	EX	Std	0.4331" I.D. x	0.5925" O.D. x	2.380" Long	VG 2675/00
Guide: Mercedes Benz: 280 6 DOHC TEF	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.030" Long	VG 2679/00
Guide: Mercedes Benz: 280 6 DOHC VIT	IN	Std	0.3543" I.D. x	0.5530" O.D. x	2.030" Long	VG 2680/00
Guide: Mercedes Benz: 280 6DOHC 11m	EX	Std	0.4331" I.D. x	0.5925" O.D. x	2.125" Long	VG 2682/00
Guide: Mercedes Benz: 280 6DOHC 9mm	EX	Std	0.3543" I.D. x	0.5925" O.D. x	2.125" Long	VG 2683/00
Guide: Mercedes Benz: 280 6DOHC 9/11	EX	Std	0.3543" I.D. x	0.5925" O.D. x	2.125" Long	VG 2684/00
Guide: Mercedes Benz: 450; 350 V8 TEFLON	IN	Std	0.3543" I.D. x	0.5530" O.D. x	1.870" Long	VG 2685/00
Guide: Mercedes Benz: 560; 500; 380 V8 VIT	IN	Std	0.3543" I.D. x	0.5530" O.D. x	1.870" Long	VG 2686/00
Guide: Mercedes Benz: 450; 350 V8 11mm	EX	Std	0.4331" I.D. x	0.5925" O.D. x	1.930" Long	VG 2688/00
Guide: Mercedes Benz: 500; 380 V8 TEFLON	EX	Std	0.3543" I.D. x	0.5925" O.D. x	1.990" Long	VG 2689/00
Guide: Mercedes Benz: 560; 500; 380 VIT	EX	Std	0.3543" I.D. x	0.5925" O.D. x	1.990" Long	VG 2690/00
Guide: Mercedes Benz: 190E; 190 M102	IN	Std	0.3150" I.D. x	0.5530" O.D. x	1.810" Long	VG 2692/00
Guide: Mercedes Benz: 190E; 190 M102	EX	Std	0.3543" I.D. x	0.5530" O.D. x	2.010" Long	VG 2693/00
Guide: Mercedes Benz: Diesel OM601/2/3	IN	Std	0.3150" I.D. x	0.5535" O.D. x	1.555" Long	VG 2694/00
Guide: Mercedes Benz: Diesel OM601/2/3	EX	Std	0.3543" I.D. x	0.5535" O.D. x	1.475" Long	VG 2695/00
Guide: Mercedes Benz: 190E 2.3-16 4V	IN	Std	0.2756" I.D. x	0.5135" O.D. x	1.795" Long	VG 2696/00*
Guide: Mercedes Benz: 190E 2.3-16 4V	EX	Std	0.3150" I.D. x	0.5135" O.D. x	1.659" Long	VG 2697/00*
<i>*Includes: 190E 2.5-16; 190E 2.5-16 (Evolution: 2.5 liter series II) / Engines: M102.990 KE; M102.992 KE</i>						
Guide: Mercedes Benz: 300E; 260E M103	IN	Std	0.3150" I.D. x	0.5530" O.D. x	1.655" Long	VG 2698/00
Guide: Mercedes Benz: 300E; 260E M103	EX	Std	0.3543" I.D. x	0.5530" O.D. x	1.895" Long	VG 2699/00
Guide: Mercedes Benz: 300CE 8x135 M104	IN	Std	0.3150" I.D. x	0.5330" O.D. x	1.400" Long	VG 2706/00
Guide: Mercedes Benz: 300CE 9x135 M104	EX	Std	0.3543" I.D. x	0.5330" O.D. x	1.495" Long	VG 2707/00
Guide: Mercedes Benz: 300CE 7x135 M104	IN	Std	0.2756" I.D. x	0.5330" O.D. x	1.400" Long	VG 2714/00
Guide: Mercedes Benz: 300CE 8x135 M104	EX	Std	0.3150" I.D. x	0.5330" O.D. x	1.495" Long	VG 2715/00
Guide: Mercedes Benz: 500/400 7x13.5	EX	Std	0.2756" I.D. x	0.5335" O.D. x	1.595" Long	VG 2717/00
Guide: Mercedes Benz: 300CE 7x125 M104	IE	Std	0.2756" I.D. x	0.4940" O.D. x	1.495" Long	VG 2720/00
Guide: Mercedes Benz: 320 Late/Long	IE	Std	0.2756" I.D. x	0.4940" O.D. x	1.895" Long	VG 2730/00
Guide: Mercedes Benz: 4.7 V8TT	IE	Std	0.0000" I.D. x	0.0000" O.D. x	1.0000" Long	VG 2731/00
MERCEDES BENZ: High-Performance						
Guide: Mercedes Benz: 190E 2.3-16 4V	IN	Std	0.2756" I.D. x	0.5135" O.D. x	1.795" Long	VG 2696/00*
Guide: Mercedes Benz: 190E 2.3-16 4V	EX	Std	0.3150" I.D. x	0.5135" O.D. x	1.695" Long	VG 2697/00*
<i>*Includes: 190E 2.5-16; 190E 2.5-16 (Evolution: 2.5 liter series II) / Engines: M102.990 KE; M102.992 KE</i>						
Guide: HP: AMG: Mercedes Benz: 500 4V	IN	Std	0.2758" I.D. x	0.5530" O.D. x	1.870" Long	VG A2686/00
Guide: HP: AMG: Mercedes Benz: 500 4V	EX	Std	0.3152" I.D. x	0.5530" O.D. x	1.870" Long	VG A2690/00
MG / AUSTIN: BRITISH LEYLAND						
Guide: MG: TC; TD; TF; TF 1500	IN	Std	0.3163" I.D. x	0.5535" O.D. x	2.330" Long	VG 8014/00
Guide: MG: TC; TD; TF; TF 1500	EX	Std	0.3163" I.D. x	0.5535" O.D. x	2.145" Long	VG 8015/00
Guide: MG: MGA 1600 Twin Cam	IN	Std	0.3435" I.D. x	0.5660" O.D. x	2.065" Long	VG 8016/00
Guide: MG: MGA 1600 Twin Cam	EX	Std	0.3435" I.D. x	0.5660" O.D. x	2.430" Long	VG 8017/00
Guide: MG: MGB; MGA MK.I/MK.II	IN	Std	0.3444" I.D. x	0.5640" O.D. x	1.875" Long	VG 8020/00
Guide: MG: MGB; MGA MK.I/MK.II	EX	Std	0.3444" I.D. x	0.5640" O.D. x	2.215" Long	VG 8021/00
Guide: MG/Austin: A 803/1098	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.565" Long	VG 8022/00
Guide: MG/Austin: BL A 1275cc (Mini)	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.685" Long	VG 8025/00
Guide: APT: HP: MG: 1275cc Spec	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: MG: 1275cc Spec	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: APT: HP: MG: 0.2810 ID	IN	Std	0.2808" I.D. x	0.5020" O.D. x	2.005" Long	VG 8054/00
Guide: APT: HP: MG 1275cc 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: MG/Rover: MG-8 V-8 2V	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.600" Long	VG 8814/00
Guide: MG/Rover: MG-8 V-8 Seal	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.400" Long	VG 8816/00
Guide: MG/Rover: 4.0 FRM1989	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.440" Long	VG 8820/00*
<i>*Newest Rover (V8) guide with factory valve stem seal</i>						
MG / AUSTIN: BRITISH LEYLAND: High-Performance						
Guide: APT: HP: British Leyland A	IN	Std	0.2813" I.D.x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: APT: HP: British Leyland A	EX	Std	0.2813" I.D.x	0.4707" O.D. x	1.550" Long	VG 8051/00
MITSUBISHI						
Guide: Mitsubishi: 1.6L G32B	IN	Std	0.3152" I.D. X	0.5150" O.D. X	1.730" Long	VG 7510/00
Guide: Mitsubishi: 1.6L G32B	EX	Std	0.3152" I.D. X	0.5150" O.D. X	1.890" Long	VG 7511/00
Guide: Mitsubishi: 2.6; 2.0 2V	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.850" Long	VG 7514/00
Guide: Mitsubishi: 2.6; 2.0 2V	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.045" Long	VG 7515/00
Guide: Mitsubishi: 1.5; 1.4 G15	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.735" Long	VG 7520/00
Guide: Mitsubishi: 1.5; 1.4 G15	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.950" Long	VG 7521/00
Guide: Mitsubishi: Diesel 4D55	IN	Std	0.3152" I.D. x	0.5150" O.D. x	2.795" Long	VG 7530/00
Guide: Mitsubishi: Diesel 4D55	EX	Std	0.3152" I.D. x	0.5150" O.D. x	2.920" Long	VG 7531/00
Guide: Mitsubishi: 2.0; 1.6 4V	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.790" Long	VG 7536/00
Guide: Mitsubishi: 2.0; 1.6 4V	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.990" Long	VG 7537/00
Guide: Mitsubishi: V-6 3.0L 2V	IN	Std	0.3152" I.D. x	0.5150" O.D. x	1.730" Long	VG 7540/00
Guide: Mitsubishi: V-6 3.0L 2V	EX	Std	0.3152" I.D. x	0.5150" O.D. x	1.890" Long	VG 7541/00
Guide: Mitsubishi: 95-On (Neon) Non-Turbo	IE	Std	0.2355" I.D. x	0.4360" O.D. x	1.730" Long	VG 9038/00
Guide: Mitsubishi: 95-On (Neon) Non-Turbo	IE	Std	0.2355" I.D. x	0.4360" O.D. x	1.890" Long	VG 9036/00
Guide: Mitsubishi: 1.8 SOHC 4V	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.790" Long	VG 7544/00
Guide: Mitsubishi: 1.8 SOHC 4V	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.990" Long	VG 7545/00
Guide: Mitsubishi: 1.8 DOHC 4V	IE	Std	0.2364" I.D. x	0.4360" O.D. x	1.730" Long	VG 7546/00
Guide: Mitsu/Merc: Smartcar	IE	Std	0.1960" I.D. x	0.4160" O.D. x	1.365" Long	VG 7547/00
Guide: Mitsubishi: EVIO 4B11	IE	Std	0.2170" I.D. x	0.4350" O.D. x	1.730" Long	VG 7588/00
MORGAN: Triumph/Rover V8 Engines						
Guide: Morgan: Triumph: TR2-6 Comm	IN	Std	0.3123" I.D.x	0.5020" O.D. x	2.065" Long	VG 8350/00
Guide: Morgan: Triumph: TR4/3 3/8	EX	Std	0.3732" I.D.x	0.5330" O.D. x	2.065" Long	VG 8351/00
Guide: Morgan: Triumph: TR4 5/16	EX	Std	0.3123" I.D. x	0.5330" O.D. x	2.065" Long	VG 8355/00
Guide: Morgan: Rover V-8 Plain	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.600" Long	VG 8814/00
Guide: Morgan: Rover V-8 Seal	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.400" Long	VG 8816/00
Guide: Morgan: Rover V-8 1989-On	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.440" Long	VG 8820/00*
MORRIS: British Leyland Austin Engines						
Guide: Morris: A-40 1947-54	IE	Std	0.3130" I.D.x	0.5020" O.D. x	2.125" Long	VG 8004/00
Guide: Morris: BL "A" 803/1098	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.565" Long	VG 8022/00
Guide: Morris: BL "A" 1275cc	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.685" Long	VG 8025/00
Guide: Morris: APT: HP: Morris 1275cc	IN	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8050/00
Guide: Morris: APT: HP: Morris 1275cc	EX	Std	0.2813" I.D. x	0.4707" O.D. x	1.550" Long	VG 8051/00
Guide: Morris: APT: HP: Morris 0.281 ID	IN	Std	0.2808" I.D. x	0.5020" O.D. x	2.005" Long	VG 8054/00
Guide: Morris: APT: HP: Morris 1275cc 39.0	IE	Std	0.2806" I.D. x	0.4705" O.D. x	1.530" Long	VG 8056/00
NASH: METROPOLITAN: British Leyland Austin Engines						
Guide: Metropolitan Series 2/3	IN	Std	0.3444" I.D. x	0.5640" O.D. x	1.875" Long	VG 8020/00
Guide: Metropolitan Series 2/3	EX	Std	0.3444" I.D. x	0.5640" O.D. x	2.215" Long	VG 8021/00
NEON: Chrysler Engines						
Guide: Chrysler: Neon 2.0 SOHC 4V	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.890" Long	VG 9036/00
Guide: Chrysler: Neon 2.0 DOHC 4V	IE	Std	0.2355" I.D. x	0.4355" O.D. x	1.730" Long	VG 9038/00
NISSAN (Datsun)						
Guide: Nissan: A-12; A-10 40HV	IE	Std	0.3152" I.D. x	0.4745" O.D. x	2.085" Long	VG 7020/00
Guide: Nissan: 1600 Rds. R-16	IN	Std	0.3424" I.D. x	0.5650" O.D. x	1.820" Long	VG 7022/00
Guide: Nissan: 1600 Rds. R-16	EX	Std	0.3424" I.D. x	0.5650" O.D. x	1.955" Long	VG 7023/00
Guide: Nissan: 2000 Rds. U-20	IN	Std	0.3424" I.D. x	0.5645" O.D. x	2.165" Long	VG 7024/00
Guide: Nissan: 2000 Rds. U-20	EX	Std	0.3424" I.D. x	0.5645" O.D. x	2.165" Long	VG 7025/00
Guide: Nissan: L Eng. SOHC 2V	IE	Std	0.3152" I.D. x	0.4740" O.D. x	2.345" Long	VG 7026/00
Guide: Nissan: HP: L Engine Spec	IE	Std	0.3122" I.D. x	0.4740" O.D. x	2.100" Long	VG 7027/00
Guide: Nissan: A15/14/13 4OHV	IE	Std	0.3152" I.D. x	0.4745" O.D. x	1.945" Long	VG 7030/00
Guide: Nissan: Z Engine SOHC 2V	IE	Std	0.3152" I.D. x	0.4740" O.D. x	2.655" Long	VG 7032/00
Guide: Nissan: E-15/S IE; E-16	IN	Std	0.2758" I.D. x	0.4745" O.D. x	2.165" Long	VG 7036/00
Guide: Nissan: E-16/S/I / SPI	EX	Std	0.2758" I.D. x	0.4745" O.D. x	2.285" Long	VG 7037/00
Guide: Nissan: CA20/18 SOHC 2V	IE	Std	0.2758" I.D. x	0.4350" O.D. x	1.770" Long	VG 7040/00
Guide: Nissan: CA20/18 SOHC 2V	EX	Std	0.2758" I.D. x	0.4350" O.D. x	1.890" Long	VG 7041/00
Guide: Nissan: E-15T Turbo 2V	IE	Std	0.2758" I.D. x	0.4745" O.D. x	1.930" Long	VG 7046/00
Guide: Nissan: Diesel SD-25	IN	Std	0.3152" I.D. x	0.4745" O.D. x	2.045" Long	VG 7050/00
Guide: Nissan: Micra MA-12/10	IN	Std	0.2758" I.D. x	0.4350" O.D. x	1.970" Long	VG 7054/00
Guide: Nissan: Micra MA-12/10	EX	Std	0.2758" I.D. x	0.4350" O.D. x	2.085" Long	VG 7055/00
Guide: Nissan: V-6 SOHC VG30 2V	IN	Std	0.2758" I.D. x	0.4345" O.D. x	2.315" Long	VG 7060/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Nissan: V-6 SOHC VG30 2V	EX	Std	0.3152" I.D. x	0.4740" O.D. x	2.520" Long	VG 7061/00
Guide: Nissan: CA16/18DE DOHC	IE	Std	0.2364" I.D. x	0.3955" O.D. x	1.580" Long	VG 7064/00
Guide: Nissan: V-6 DOHC VG30 4V	IN	Std	0.2364" I.D. x	0.3950" O.D. x	1.810" Long	VG 7068/00
Guide: Nissan: V-6 DOHC VG30 4V/1.6 Daewoo	EX	Std	0.2364" I.D. x	0.3950" O.D. x	1.930" Long	VG 7070/00
Guide: Nissan: GA161 SOHC 3V	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.970" Long	VG 7072/00
Guide: Nissan: GA161 SOHC 3V	EX	Std	0.2601" I.D. x	0.4195" O.D. x	2.085" Long	VG 7073/00
Guide: Nissan: KA24E SOHC 3V	IN	Std	0.2758" I.D. x	0.4345" O.D. x	2.065" Long	VG 7076/00
Guide: Nissan: KA24E SOHC 3V	EX	Std	0.3152" I.D. x	0.4745" O.D. x	2.185" Long	VG 7077/00
Guide: Nissan: KA24DE; Q45 4V	IN	Std	0.2758" I.D. x	0.4350" O.D. x	1.575" Long	VG 7078/00*
<i>*KA24DE engine exhaust guide application: use part number VG 7089/00</i>						
Guide: Infiniti: Q45/T DOHC 4V	EX	Std	0.3152" I.D. x	0.4745" O.D. x	1.575" Long	VG 7079/00*
<i>*Intake guide application: use part number VG 7078/00</i>						
Guide: Nissan: GA16DE DOHC 4V	IN	Std	0.2167" I.D. x	0.3760" O.D. x	1.575" Long	VG 7080/00
Guide: Nissan: GA16DE DOHC 4V	EX	Std	0.2167" I.D. x	0.3760" O.D. x	1.575" Long	VG 7081/00
Guide: Nissan: SR20DE DOHC 4V	IN	Std	0.2364" I.D. x	0.3955" O.D. x	1.635" Long	VG 7084/00
Guide: Nissan: SR20DE DOHC 4V	EX	Std	0.2364" I.D. x	0.3955" O.D. x	1.690" Long	VG 7085/00
Guide: Nissan: KA24E DOHC 4V/SR20DETT	EX	Std	0.2758" I.D. x	0.4350" O.D. x	1.550" Long	VG 7089/00
Guide: Nissan: Early E-1; J-15	IN	Std	0.3444" I.D. x	0.5640" O.D. x	1.875" Long	VG 8020/00
Guide: Nissan: Early E-1; J-15	EX	Std	0.3444" I.D. x	0.5640" O.D. x	2.215" Long	VG 8021/00
Guide: Nissan: JDM SR20ETT	EX	Std	0.2758" I.D. x	0.4350" O.D. x	1.550" Long	VG 7089/00
Guide: Nissan: Sentra GQ18DE	IN	Std	0.2170" I.D. x	0.3760" O.D. x	1.575" Long	VG 7080/00
Guide: Nissan: Sentra GQ18DE	EX	Std	0.2170" I.D. x	0.3760" O.D. x	1.575" Long	VG 7081/00
Guide: Nissan: 6mm SR20	EX	Std	0.2360" I.D. x	0.4350" O.D. x	1.540" Long	VG 7090/00
OPEL: Isuzu Based Engine						
Guide: Opel/Isuzu: 1.8L G180Z	IN	Std	0.3149" I.D. x	0.4750" O.D. x	1.815" Long	VG 7614/00
Guide: Opel/Isuzu: 1.8L G180Z	EX	Std	0.3149" I.D. x	0.4750" O.D. x	2.165" Long	VG 7615/00
PEUGEOT						
Guide: Peugeot: Diesel; 403; 404	IE	Std	0.3348" I.D. x	0.5535" O.D. x	2.200" Long	VG 5303/00
Guide: Peugeot: 304; 204 XK/XL	IE	Std	0.3150" I.D. x	0.5535" O.D. x	2.305" Long	VG 5309/00
Guide: Peugeot: 505; 504; 404	IE	Std	0.3152" I.D. x	0.5535" O.D. x	2.185" Long	VG 5311/00
Guide: Peugeot/Volvo: V-6 SOHC	IE	Std	0.3152" I.D. x	0.5145" O.D. x	2.000" Long	VG 5312/00
Guide: Peugeot: Diesel w/Seal	IN	Std	0.3348" I.D. x	0.5540" O.D. x	2.145" Long	VG 5324/00
Guide: Peugeot: 405; 309 1.9/2	IN	Std	0.3152" I.D. x	0.5145" O.D. x	1.525" Long	VG 5328/00
Guide: Peugeot: 405; 309 1.9/2	EX	Std	0.3152" I.D. x	0.5145" O.D. x	1.770" Long	VG 5330/00
Guide: Peugeot: 2.2 N9TE Turbo	IE	Std	0.3546" I.D. x	0.5910" O.D. x	2.205" Long	VG 5332/00
Guide: Peugeot: 405MI 16 1.9/4	IN	Std	0.2758" I.D. x	0.4755" O.D. x	1.575" Long	VG 5340/00
Guide: Peugeot: 405MI 16 1.9/4	EX	Std	0.2758" I.D. x	0.4755" O.D. x	1.575" Long	VG 5341/00
PORSCHE						
Guide: Porsche: 4 Cam Carrera	IN	Std	0.3546" I.D. x	0.5140" O.D. x	2.555" Long	VG 3032/00
Guide: Porsche: 4 Cam Carrera	EX	Std	0.4334" I.D. x	0.6335" O.D. x	2.295" Long	VG 3033/00
Guide: Porsche: 4 OHV 912; 356	IE	Std	0.3949" I.D. x	0.5540" O.D. x	2.595" Long	VG 3034/00
Guide: Porsche: 4 OHV 356 Seal	IN	Std	0.3941" I.D. x	0.5540" O.D. x	2.365" Long	VG 3035/00
Guide: Porsche: 6Cyl SOHC 2V	IE	Std	0.3546" I.D. x	0.5140" O.D. x	2.055" Long	VG 3036/00
Guide: Sl: Porsche: 6Cyl 0.341	IE	Std	0.3410" I.D. x	0.5140" O.D. x	2.055" Long	VG 3036/00-.341
<i>*Special 0.341" (11/32") inside diameter</i>						
Guide: Porsche: 6Cyl OHC Race	IE	Std	0.3543" I.D. x	0.5140" O.D. x	2.000" Long	VG 3037/00
Guide: Porsche: 928 2V; 944 2V	IE	Std	0.3546" I.D. x	0.5150" O.D. x	1.600" Long	VG 3042/00
Guide: Porsche: 924; 924 Turbo	IE	Std	0.3546" I.D. x	0.5540" O.D. x	2.225" Long	VG 3045/00
Guide: Porsche: 944 Turbo 2V	EX	Std	0.3546" I.D. x	0.5150" O.D. x	1.600" Long	VG 3055/00
Guide: Porsche: 928S4; 944S 4V 968 EX	IE	Std	0.2758" I.D. x	0.4355" O.D. x	1.730" Long	VG 3058/00
Guide: Porsche: 911 Carrera/4 2V	IN	Std	0.3546" I.D. x	0.5145" O.D. x	2.010" Long	VG 3060/00
Guide: Porsche: 911 Carrera/4 2V	EX	Std	0.3546" I.D. x	0.5145" O.D. x	2.010" Long	VG 3061/00
Guide: Porsche: 968 3L DOHC 4V 968 EX	IN	Std	0.2759" I.D. x	0.4455" O.D. x	1.300" Long	VG 3064/00
Guide: Porsche: 993 6 SOHC 2V	IN	Std	0.3149" I.D. x	0.5145" O.D. x	2.205" Long	VG 3070/00
Guide: PB: Porsche: 993 6 OHC 2V	IN	Std	0.3149" I.D. x	0.5145" O.D. x	2.205" Long	VG P3070/00*
<i>*Special phosphor bronze high-performance valve guide material</i>						
Guide: Porsche: 993 6 SOHC 2V	EX	Std	0.3149" I.D. x	0.5145" O.D. x	2.205" Long	VG 3071/00
Guide: Porsche 996 97-On/Boxster	IE	Std	0.236" I.D. x	0.415" O.D. x	1.596" Long	VG 3080/00
Guide: Porsche 996 97-On/Boxster Turbo	I	Std	0.236" I.D. x	0.415" O.D. x	1.455" Long	VG 3086/00
Guide: Porsche 996 97-On/Boxster Turbo	E	Std	0.236" I.D. x	0.415" O.D. x	1.695" Long	VG 3087/00
PORSCHE: Volkswagen Based Engines						
Guide: Porsche: 914 1.8 13mm	IN	Std	0.3149" I.D. x	0.5140" O.D. x	2.400" Long	VG 3940/00
Guide: Porsche: 914/4 1.7; 1.8	EX	Std	0.3536" I.D. x	0.5140" O.D. x	2.400" Long	VG 3946/00
Guide: Porsche: 914 1.8 12mm	IN	Std	0.3149" I.D. x	0.4755" O.D. x	2.395" Long	VG 3958/00
Guide: Porsche: 914/2L 9x15mm	EX	Std	0.3538" I.D. x	0.5945" O.D. x	2.200" Long	VG 3971/00
Guide: PB: Porsche/VW: 2L 8x15mm	EX	Std	0.3152" I.D. x	0.5945" O.D. x	2.200" Long	VG P3975/00*

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION	O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
RENAULT					
Guide: Renault: Dauphine 6mm	IE	Std	0.2364" I.D. x 0.3995" O.D. x	1.600" Long	VG 5112/00
Guide: Renault: M817; M671 9mm	IE	Std	0.3546" I.D. x 0.5930" O.D. x	2.400" Long	VG 5113/00
Guide: Renault: R4/5/6/8 7mm	IE	Std	0.2758" I.D. x 0.4390" O.D. x	1.655" Long	VG 5115/00
Guide: Renault: R15/16/17 8mm	IE	Std	0.3152" I.D. x 0.5180" O.D. x	1.935" Long	VG 5118/00
Guide: Renault: R4/5/6 7mmx34	IE	Std	0.2758" I.D. x 0.4390" O.D. x	1.340" Long	VG 5120/00
Guide: Renault: Gordini 8mm	IN	Std	0.3152" I.D. x 0.5180" O.D. x	1.580" Long	VG 5124/00
Guide: Renault: R5/LE Car 7mm	IE	Std	0.2758" I.D. x 0.4390" O.D. x	1.475" Long	VG 5130/00
Guide: Renault: R18/1 8mm Seal	IN	Std	0.3152" I.D. x 0.5180" O.D. x	1.580" Long	VG 5134/00*
Guide: Renault: R18/1 2.2 8mm	IE	Std	0.3152" I.D. x 0.5180" O.D. x	1.935" Long	VG 5135/00
Guide: Renault: 1.7; 2.0 4 SOHC	IE	Std	0.3159" I.D. x 0.5150" O.D. x	1.550" Long	VG 5138/00*
Guide: Renault/Peugeot: V6 SOHC 2V	IE	Std	0.3152" I.D. x 0.5145" O.D. x	2.000" Long	VG 5312/00*
ROLLS ROYCE / BENTLEY					
Guide: Rolls Royce: 6Cyl L HD.S-I	IN	Std	0.3434" I.D. x 0.5530" O.D. x	2.000" Long	VG 8730/00
Guide: Rolls Royce: 6Cyl L HD.S-I	EX	Std	0.3744" I.D. x 0.6285" O.D. x	2.375" Long	VG 8731/00
Guide: Rolls Royce: V-8 OHV S2; S3	IN	Std	0.3744" I.D. x 0.6285" O.D. x	2.025" Long	VG 8740/00
Guide: Rolls Royce: V-8 OHV S2; S3	EX	Std	0.3744" I.D. x 0.6285" O.D. x	2.375" Long	VG 8741/00
Guide: Rolls Royce: V-8 OHV Flange	IN	Std	0.3744" I.D. x 0.6285" O.D. x	2.025" Long	VG 8744/00
Guide: Rolls Royce: V-8 OHV Flange	EX	Std	0.3744" I.D. x 0.6285" O.D. x	2.375" Long	VG 8745/00
Guide: Rolls Royce: V-8 OHV 82-85	IN	Std	0.3744" I.D. x 0.6285" O.D. x	2.025" Long	VG 8750/00
Guide: Rolls Royce: V-8 OHV 82-85	EX	Std	0.3744" I.D. x 0.6285" O.D. x	2.375" Long	VG 8751/00
Guide: Rolls Royce: V-8 OHV 85-96	IN	Std	0.3741" I.D. x 0.6285" O.D. x	2.060" Long	VG 8760/00
Guide: Rolls Royce: V-8 OHV 85-96	EX	Std	0.3741" I.D. x 0.6285" O.D. x	2.360" Long	VG 8761/00
ROOTS GROUP: HILLMAN / SUNBEAM: Standard - Rover - Triumph					
Guide: Hillman/Sunbeam: Early	IN	Std	0.3124" I.D. x 0.5640" O.D. x	2.160" Long	VG 8108/00
Guide: Hillman/Sunbeam: Early	EX	Std	0.3124" I.D. x 0.5640" O.D. x	2.440" Long	VG 8109/00
Guide: Hillman/Sunbeam: Late	IN	Std	0.3124" I.D. x 0.5640" O.D. x	2.005" Long	VG 8113/00
Guide: Hillman/Sunbeam: Late	EX	Std	0.3124" I.D. x 0.5640" O.D. x	2.170" Long	VG 8114/00
Guide: Hillman/Sunbeam: Imp	IN	Std	0.2806" I.D. x 0.5025" O.D. x	1.520" Long	VG 8115/00
Guide: Hillman/Sunbeam: Imp	EX	Std	0.2806" I.D. x 0.5025" O.D. x	1.465" Long	VG 8116/00
ROVER (LAND ROVER)					
Guide: Rover: Gas 2.0; 2.2; 2.6	IN	Std	0.3435" I.D. x 0.5650" O.D. x	2.000" Long	VG 8802/00
Guide: Rover: Gas 2.0; 2.2; 2.6	EX	Std	0.3435" I.D. x 0.5650" O.D. x	2.265" Long	VG 8803/00
Guide: Rover: Diesel 2.0; 2 1/4L	IN	Std	0.3130" I.D. x 0.5340" O.D. x	1.830" Long	VG 8804/00
Guide: Rover: Diesel 2.0; 2 1/4L	EX	Std	0.3430" I.D. x 0.5650" O.D. x	2.230" Long	VG 8805/00
Guide: Rover: Gas 2 1/4L OHV	IN	Std	0.3125" I.D. x 0.5340" O.D. x	2.020" Long	VG 8806/00
Guide: Rover: Gas 2 1/4L OHV	EX	Std	0.3431" I.D. x 0.5650" O.D. x	1.965" Long	VG 8807/00
Guide: Rover: 1978cc; 2205cc	IN	Std	0.3128" I.D. x 0.5650" O.D. x	2.535" Long	VG 8808/00
Guide: Rover: 1978cc; 2205cc	EX	Std	0.3431" I.D. x 0.5650" O.D. x	2.535" Long	VG 8809/00
Guide: Freelander: V-6	IE	Std	0.2360" I.D. x 0.3880" O.D. x	1.180" Long	VG 8830/00
Guide: Rover: V-8 CATE 89-97	IE	Std	0.3425" I.D. x 0.5960" O.D. x	2.445" Long	VG 8820/00
Guide: Rover: V-8 3500; & TR-8	IE	Std	0.3424" I.D. x 0.5960" O.D. x	2.600" Long	VG 8814/00
Guide: Rover: V-8 3.5; 4.0 Seal	IE	Std	0.3424" I.D. x 0.5960" O.D. x	2.400" Long	VG 8816/00
Guide: Rover: V-8 3.9 1989-97	IE	Std	0.3424" I.D. x 0.5960" O.D. x	2.440" Long	VG 8820/00*
Guide: Rover: V6 Freelander LR2	IE	Std	0.2345" I.D. x 0.388" O.D. x	1.185" Long	VG 8830/00
SAAB					
Guide: Saab: 900 & Turbo; 99 13mm	IE	Std	0.3152" I.D. x 0.5140" O.D. x	1.930" Long	VG 4023/00
Guide: Saab: 2.0L 16V & Turbo	IE	Std	0.2758" I.D. x 0.4748" O.D. x	1.940" Long	VG 4030/00
Guide: Saab: 2.1/2.3L DOHC 4V	IE	Std	0.2756" I.D. x 0.4750" O.D. x	1.790" Long	VG 4040/00
Guide: Saab/Triumph: Saab: 99	IE	Std	0.3119" I.D. x 0.5020" O.D. x	1.945" Long	VG 8358/00
Guide: Saab/GM: 2.5 V-6 DOHC 4V / Catera	IN	Std	0.2364" I.D. x 0.3955" O.D. x	1.770" Long	VG 9448/00*
Guide: Saab/GM: 2.5 V-6 DOHC 4V / Catera	EX	Std	0.2364" I.D. x 0.3955" O.D. x	1.380" Long	VG 9449/00*
<i>*GM Europe Opel engine: new U.S.A. application: Saab new 2.5 liter V6 engine Saab 95</i>					
Guide: SAAB Late 5mm	IE	Std	0.197" I.D. x 0.4745" O.D. x	1.685" Long	VG 4050/00
SATURN: General Motors Engines					
Guide: GM: Saturn 1.9L SOHC 2V	IE	Std	0.2756" I.D. x 0.4495" O.D. x	2.125" Long	VG 9444/00
Guide: GM: Saturn 1.9L DOHC 4V	IE	Std	0.2756" I.D. x 0.4495" O.D. x	1.520" Long	VG 9446/00
Guide: GM: Saturn 99-On 6mm	IE	Std			
U.S.A.: 825i engine number C25A 1986-88; 827i engine number C27A 1988-92:					
Guide: Sterling/Honda: V-6: C25/27	IN	Std	0.2601" I.D. x 0.4750" O.D. x	1.850" Long	VG 7130/00
Guide: Sterling/Honda: V-6: C25/27	EX	Std	0.2601" I.D. x 0.4750" O.D. x	2.085" Long	VG 7131/00
Guide: Sterling/Honda: D17 V-Tec	IN	Std	0.2160" I.D. x 0.4750" O.D. x	1.640" Long	VG 7142/00
Guide: Sterling/Honda: D17 V-Tec	EX	Std	0.2160" I.D. x 0.4750" O.D. x	1.870" Long	VG 7143/00
Guide: Sterling/Honda: H23 V-Tec	IN	Std	0.2601" I.D. x 0.4750" O.D. x	1.535" Long	VG 7150/00
Guide: Sterling/Honda: H23 V-Tec	EX	Std	0.2601" I.D. x 0.4750" O.D. x	1.695" Long	VG 7151/00
SUBARU					
Guide: Subaru: OHV 1.4/1.6/1.8	IE	Std	0.3152" I.D. x 0.5140" O.D. x	2.265" Long	VG 7410/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Subaru: OHC 1.2/1.8/2.7	IE	Std	0.2758" I.D. x	0.4755" O.D. x	2.165" Long	VG 7420/00
Guide: Subaru: SOHC EJ/EG 4V 2.5	IE	Std	0.2364" I.D. x	0.4360" O.D. x	2.065" Long	VG 7430/00
Guide: Subaru: EJ SPEC	IE	Std	0.2364" I.D. x	0.4750" O.D. x	2.065" Long	VG 7431/00
Guide: Subaru 3.3 SOHC 4V	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.285" Long	VG 7444/00
Guide: Subaru 3.3 SOHC 4V	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.600" Long	VG 7445/00
Guide: Subaru EJ 20/25 DOHC 4V WRX	IN	Std	0.2364" I.D. x	0.4360" O.D. x	1.560" Long	VG 7450/00
Guide: Subaru EJ 20/25 DOHC 4V WRX	EX	Std	0.2364" I.D. x	0.4360" O.D. x	1.865" Long	VG 7451/00
Guide: Subaru Tribeca V-6	IN	Std	0.2164" I.D. x	0.3960" O.D. x	1.575" Long	VG 7460/00
Guide: Subaru Tribeca V-6	EX	Std	0.2164" I.D. x	0.3960" O.D. x	1.760" Long	VG 7461/00
SUNBEAM / HILLMAN: Standard - Rover - Triumph ie. Roots Group						
Guide: Sunbeam/Hillman: Early	IN	Std	0.3124" I.D. x	0.5640" O.D. x	2.160" Long	VG 8108/00
Guide: Sunbeam/Hillman: Early	EX	Std	0.3124" I.D. x	0.5640" O.D. x	2.440" Long	VG 8109/00
Guide: Sunbeam/Hillman: Alpine	IN	Std	0.3124" I.D. x	0.5640" O.D. x	2.005" Long	VG 8113/00
Guide: Sunbeam/Hillman: Alpine	EX	Std	0.3124" I.D. x	0.5640" O.D. x	2.170" Long	VG 8114/00
Guide: Sunbeam/Hillman: Imp	IN	Std	0.2806" I.D. x	0.5025" O.D. x	1.520" Long	VG 8115/00
Guide: Sunbeam/Hillman: Imp	EX	Std	0.2806" I.D. x	0.5025" O.D. x	1.465" Long	VG 8116/00
SUZUKI						
Guide: Suzuki: 1.3; 1.0 SOHC 2V	IE	Std	0.2758" I.D. x	0.4765" O.D. x	1.890" Long	VG 7720/00
Guide: Suzuki: 1.0 SOHC G10 2V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	1.260" Long	VG 7726/00
Guide: Suzuki: 1.3 DOHC G13K 4V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	1.695" Long	VG 7730/00
Guide: Suzuki: 1.3 DOHC G13 4V	IE	Std	0.2167" I.D. x	0.4355" O.D. x	2.280" Long	VG 7734/00
TOYOTA						
Guide: Toyota: 3RC; 3RB; 3R; R	IE	Std	0.3546" I.D. x	0.5530" O.D. x	2.400" Long	VG 7206/00
Guide: Toyota: Landcruiser Early	IN	Std	0.3152" I.D. x	0.5630" O.D. x	2.755" Long	VG 7208/00
Guide: Toyota: Landcruiser Early	EX	Std	0.3152" I.D. x	0.5630" O.D. x	2.480" Long	VG 7209/00
Guide: Toyota: 2ZZGE	IE	Std	0.2160" I.D. x	0.4160" O.D. x	1.695" Long	VG 7232/00
Guide: Toyota: 1GRFE	IE	Std	0.2160" I.D. x	0.4080" O.D. x	1.850" Long	VG 7234/00
Guide: Toyota: 18R/B/C; 8R/B/C	IN	Std	0.3152" I.D. x	0.5535" O.D. x	2.085" Long	VG 7218/00
Guide: Toyota: 18R/B/C; 8R/B/C	EX	Std	0.3152" I.D. x	0.5535" O.D. x	2.245" Long	VG 7219/00
Guide: Toyota: Landcruiser Late	IN	Std	0.3152" I.D. x	0.5530" O.D. x	2.125" Long	VG 7220/00
Guide: Toyota: Landcruiser Late	EX	Std	0.3152" I.D. x	0.5530" O.D. x	2.325" Long	VG 7221/00
Guide: Toyota: 5ME; 4M/ME; 2M; M	IN	Std	0.3152" I.D. x	0.5135" O.D. x	1.970" Long	VG 7222/00
Guide: Toyota: 4M; 2M; M Only	EX	Std	0.3152" I.D. x	0.5135" O.D. x	2.345" Long	VG 7223/00
Guide: Toyota: 4KC; 3K/C; 2C-LC	IN	Std	0.3152" I.D. x	0.5140" O.D. x	1.810" Long	VG 7226/00
Guide: Toyota: 4KC; 3K/C; 2C-LC	EX	Std	0.3152" I.D. x	0.5140" O.D. x	1.970" Long	VG 7227/00
Guide: Toyota: 2TG; 8/18RG; 3MG	IE	Std	0.3348" I.D. x	0.5535" O.D. x	2.010" Long	VG 7230/00
Guide: Toyota: 3T/C; 2T/C; T/TC	IN	Std	0.3152" I.D. x	0.5140" O.D. x	1.970" Long	VG 7236/00
Guide: Toyota: 3T/C; 2T/C; T/TC	EX	Std	0.3152" I.D. x	0.5140" O.D. x	2.165" Long	VG 7237/00
Guide: Toyota: Diesel 3B; 2B; B	IE	Std	0.3546" I.D. x	0.5535" O.D. x	2.360" Long	VG 7240/00
Guide: Toyota: 22R/EC/TEC; 20R	IE	Std	0.3152" I.D. x	0.5140" O.D. x	2.265" Long	VG 7244/00
Guide: Toyota: 5ME; 4ME Only	EX	Std	0.3152" I.D. x	0.5130" O.D. x	1.970" Long	VG 7247/00
Guide: Toyota: Diesel L; 2L/LT	IE	Std	0.3348" I.D. x	0.5530" O.D. x	2.400" Long	VG 7250/00
Guide: Toyota: 4AC/LC; 3AC; 1AC	IN	Std	0.2758" I.D. x	0.4550" O.D. x	1.695" Long	VG 7252/00
Guide: Toyota: 4AC/LC; 3AC; 1AC	EX	Std	0.2758" I.D. x	0.4550" O.D. x	1.930" Long	VG 7253/00
Guide: Toyota: 4P 1.5 Forklift	IE	Std	0.3152" I.D. x	0.5535" O.D. x	1.970" Long	VG 7256/00
Guide: Toyota: Diesel 2H Only	IE	Std	0.3546" I.D. x	0.5535" O.D. x	2.285" Long	VG 7260/00
Guide: Toyota: 2S-ELC; 1S-ELC	IN	Std	0.3152" I.D. x	0.5140" O.D. x	1.910" Long	VG 7264/00
Guide: Toyota: 2S/1S-ELC; & Y	EX	Std	0.3152" I.D. x	0.5140" O.D. x	2.050" Long	VG 7265/00
Guide: Toyota: 5ME-GE; 6M-GE/U	IE	Std	0.3152" I.D. x	0.5140" O.D. x	1.870" Long	VG 7268/00
Guide: Toyota: 4Y/3Y/2H/1Y-EC	IN	Std	0.3152" I.D. x	0.5140" O.D. x	1.970" Long	VG 7270/00
Guide: Toyota: 22R/21R New	IN	Std	0.3152" I.D. x	0.5140" O.D. x	2.265" Long	VG 7274/00
Guide: Toyota: 4A-G; 2/3VZ-FE-2JZE EX	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7280/00
Guide: Toyota: TRD: 4A-GE/-GZE	IN	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7282/00
Guide: Toyota: TRD: 4A-GE/-GZE	EX	Std	0.2362" I.D. x	0.4350" O.D. x	1.595" Long	VG 7283/00
Guide: Toyota: 3S-GELC/GTE (T)	IE	Std	0.2362" I.D. x	0.4350" O.D. x	1.770" Long	VG 7288/00
Guide: Toyota: 7M-GE/GTE Turbo	IE	Std	0.2362" I.D. x	0.4355" O.D. x	1.455" Long	VG 7290/00
Guide: Toyota: 3E-C/CE; 1E; 2E	IE	Std	0.2362" I.D. x	0.4355" O.D. x	1.595" Long	VG 7292/00
Guide: Toyota: 5A-/4A-F/FC/FE-2JZE IN	IE	Std	0.2362" I.D. x	0.4355" O.D. x	1.515" Long	VG 7296/00
Guide: Toyota: 3VZ-E V-6 SOHC	IE	Std	0.3152" I.D. x	0.5140" O.D. x	1.810" Long	VG 7298/00
Guide: Toyota 2RZFE 2.4/2.7	IN	Std	0.2362" I.D. x	0.4355" O.D. x	1.595" Long	VG 7280/00
Guide: Toyota 2RZFE 2.4/2.7	EX	Std	0.2362" I.D. x	0.4355" O.D. x	1.890" Long	VG 7299/00
Guide: Toyota 1MZ, 2AZF	IN	Std	0.2167" I.D. x	0.4075" O.D. x	1.360" Long	VG 7216/00
Guide: Toyota 1MZ, 2AZF	EX	Std	0.2167" I.D. x	0.4075" O.D. x	1.600" Long	VG 7217/00
TRIUMPH						
Guide: Triumph/MG: TR2-6; Spit	IN	Std	0.3123" I.D. x	0.5020" O.D. x	2.065" Long	VG 8350/00
Guide: Triumph: TR4/3AB/2 3/8	EX	Std	0.3732" I.D. x	0.5330" O.D. x	2.065" Long	VG 8351/00
Guide: Triumph: Herald 950	IE	Std	0.3123" I.D. x	0.5020" O.D. x	2.435" Long	VG 8352/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Triumph: TR/GT6 EX; 1.3	IE	Std	0.3123" I.D. x	0.5020" O.D. x	2.250" Long	VG 8353/00
Guide: Triumph: TR-4 5/16 ID	EX	Std	0.3123" I.D. x	0.5330" O.D. x	2.065" Long	VG 8355/00
Guide: Triumph: GT6; GT6+ Long	IE	Std	0.3125" I.D. x	0.5020" O.D. x	2.725" Long	VG 8356/00
Guide: Triumph: TR-7; Saab: 99	IE	Std	0.3119" I.D. x	0.5020" O.D. x	1.945" Long	VG 8358/00
Guide: Triumph: Dolomite 4 Valve	IN	Std	0.2806" I.D. x	0.4605" O.D. x	2.350" Long	VG 8360/00
Guide: Triumph: Dolomite 4 Valve	EX	Std	0.2806" I.D. x	0.4605" O.D. x	1.940" Long	VG 8361/00
Guide: Triumph/Rover: TR-8 V8	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.600" Long	VG 8814/00
Guide: Triumph/Rover: TR-8 Seal	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.400" Long	VG 8816/00
Guide: Triumph/Rover: V-8 1989-On	IE	Std	0.3424" I.D. x	0.5960" O.D. x	2.440" Long	VG 8820/00*
<i>*Newest Rover V8 guide with factory valve stem seal</i>						
VOLKSWAGEN : Air-Cooled						
Guide: VW Air: 36HP; 111 7mm ID	IE	Std	0.2758" I.D. x	0.3962" O.D. x	2.100" Long	VG 3903/00
Guide: VW Air: 40HP; 311; 113	IE	Std	0.3152" I.D. x	0.4755" O.D. x	2.400" Long	VG 3907/00
Guide: VW: 411; Porsche: 914 13mm OD	IN	Std	0.3149" I.D. x	0.5140" O.D. x	2.400" Long	VG 3940/00
Guide: VW: 411; 412; Porsche: 914/4	EX	Std	0.3536" I.D. x	0.5140" O.D. x	2.400" Long	VG 3946/00
Guide: VW Air: Spr. Btle 9x14mm	EX	Std	0.3546" I.D. x	0.5540" O.D. x	2.400" Long	VG 3956/00
Guide: VW Air: 411; 412 12mm OD	IN	Std	0.3149" I.D. x	0.4755" O.D. x	2.395" Long	VG 3958/00
Guide: VW: Super Beetle 8x14mm	EX	Std	0.3152" I.D. x	0.5540" O.D. x	2.400" Long	VG 3960/00
Guide: VW Air/Porsche: 2L 9x15mm	EX	Std	0.3538" I.D. x	0.5945" O.D. x	2.200" Long	VG 3971/00
Guide: VW Air/Porsche: 2L 8x15mm	EX	Std	0.3152" I.D. x	0.5945" O.D. x	2.200" Long	VG 3975/00
Guide: VW Air: HP: Long Taper	IN	Std	0.3146" I.D. x	0.4755" O.D. x	1.850" Long	VG 3994/00
Guide: VW Air: HP	IN	Std	0.3148" I.D. x	0.4755" O.D. x	2.100" Long	VG 3996/00
Guide: VW Air: HP	EX	Std	0.3150" I.D. x	0.4755" O.D. x	2.300" Long	VG 3997/00
VOLKSWAGEN : Air-Cooled: High-Performance						
Guide: VW Air: HP: Long Taper	IN	Std	0.3146" I.D. x	0.4755" O.D. x	1.850" Long	VG 3994/00
Guide: VW Air: HP: GB Sh. Head	EX	Std	0.3150" I.D. x	0.4755" O.D. x	2.350" Long	VG 3995/00
Guide: VW Air: HP	IN	Std	0.3148" I.D. x	0.4755" O.D. x	2.100" Long	VG 3996/00
Guide: VW Air: HP	EX	Std	0.3150" I.D. x	0.4755" O.D. x	2.300" Long	VG 3997/00
VOLKSWAGEN : Water-Cooled: Audi						
Guide: VW Water/Audi: Flanged	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3310/00
Guide: VW Water: Long Flanged	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.675" Long	VG 3319/00
Guide: VW Water/Audi: Hydraulic Lifter	IE	Std	0.3149" I.D. x	0.4755" O.D. x	1.455" Long	VG 3320/00
Guide: VW Water: 1.8 DOHC 16V	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.495" Long	VG 3321/00
Guide: VW Water: 2.8 V6 SOHC	IE	Std	0.2758" I.D. x	0.4750" O.D. x	1.495" Long	VG 3322/00
Guide: VW/Audi: V-6 Late 36.5mm/TDI	IE	Std	0.2756" I.D. x	0.4750" O.D. x	1.440" Long	VG 3330/00
Guide: VW Water: 5 Valve	IE	Std	0.2360" I.D. x	0.4350" O.D. x	1.415" Long	VG 3338/00
Guide: VW: Vanagon Waterboxer	EX	Std	0.3536" I.D. x	0.5145" O.D. x	2.515" Long	VG 3950/00
Guide: VW: Vanagon 12mm OD	IN	Std	0.3149" I.D. x	0.4755" O.D. x	2.395" Long	VG 3958/00
Guide: VW: Vanagon Waterboxer	EX	Std	0.3536" I.D. x	0.5145" O.D. x	2.515" Long	VG 3950/00
Guide: VW: Vanagon 12mm Waterboxer	IN	Std	0.3149" I.D. x	0.4755" O.D. x	2.395" Long	VG 3958/00
Guide: VW: VR6 24V	IN	Std	0.2350" I.D. x	0.3960" O.D. x	1.730" Long	VG 3344/00
Guide: VW: VR6 24V	IE	Std	0.2350" I.D. x	0.3960" O.D. x	2.900" Long	VG 3345/00
Guide: VW: VR6 24V	IE	Std	0.2350" I.D. x	0.3960" O.D. x	2.560" Long	VG 3347/00
Guide: VW: 2.0 16V/2.5 20V 05-On	IE	Std	0.2350" I.D. x	0.4355" O.D. x	1.535" Long	VG 3348/00
VOLVO						
Guide: Volvo: B16/14; B4B 4 OHV	IE	Std	0.3114" I.D. x	0.5915" O.D. x	2.440" Long	VG 4707/00
Guide: Volvo: B18A/B/D/ 4 OHV	IE	Std	0.3442" I.D. x	0.5910" O.D. x	2.480" Long	VG 4710/00
Guide: Volvo: B30A/B/E/F; B20	IN	Std	0.3152" I.D. x	0.5320" O.D. x	2.050" Long	VG 4716/00
Guide: Volvo: B30A/B/E/F; B20	EX	Std	0.3152" I.D. x	0.5320" O.D. x	2.300" Long	VG 4717/00
Guide: Volvo: B30 Late 80-85	EX	Std	0.3150" I.D. x	0.5320" O.D. x	2.300" Long	VG 4718/00
Guide: Volvo: B23/F; B21/F/FT	IE	Std	0.3152" I.D. x	0.5320" O.D. x	2.050" Long	VG 4719/00
Guide: Volvo: B234F 2.3 DOHC 4V	IE	Std	0.2758" I.D. x	0.4740" O.D. x	2.165" Long	VG 4724/00
Guide: Volvo: B6304F 6 DOHC 4V	IE	Std	0.2758" I.D. x	0.4735" O.D. x	1.770" Long	VG 4730/00
Guide: Volvo/Peugeot: V-6 SOHC	IE	Std	0.3152" I.D. x	0.5145" O.D. x	2.000" Long	VG 5312/00
Guide: Volvo Late 5/6Cyl 6mm .395 Seal	IE	Std	0.2360" I.D. x	0.4730" O.D. x	1.770" Long	VG 4740/00
Guide: Volvo Late 5/6Cyl .347 Seal	IE	Std	0.2360" I.D. x	0.4730" O.D. x	1.770" Long	VG 4741/00
DOMESTIC THINWALL SERIES (U.S.A. manufactured engines) - No Flange						
Guide: UN: 0.3430/0.5020/2.25	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.250" Long	VG 15005/00
Guide: UN: 0.3430/0.5020/2.37	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.375" Long	VG 15006/00
Guide: UN: 0.3430/0.5020/2.62	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.625" Long	VG 15007/00
Guide: UN: 0.3720/0.5020/2.37	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.375" Long	VG 15009/00
Guide: UN: 0.3725/0.5020/2.75	IE	Std	0.3725" I.D. x	0.5020" O.D. x	2.750" Long	VG 15011/00
Guide: UN: 0.3430/0.5020/2.87	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.875" Long	VG 15012/00
Guide: UN: 0.3735/0.5020/2.62	IE	Std	0.3735" I.D. x	0.5020" O.D. x	2.625" Long	VG 15016/00
Guide: UN: 0.3735/0.5020/2.37	IE	Std	0.3735" I.D. x	0.5020" O.D. x	2.375" Long	VG 15017/00
Guide: UN: 0.3430/0.5020/2.50	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.500" Long	VG 15019/00
Guide: UN: 0.3120/0.4395/1.88	IE	Std	0.3120" I.D. x	0.4395" O.D. x	1.875" Long	VG 15020/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: UN: 0.3740/0.5020/2.50	IE	Std	0.3740" I.D. x	0.5020" O.D. x	2.500" Long	VG 15021/00
Guide: GM: 0.4365/0.6270/3.12	EX	Std	0.4365" I.D. x	0.6270" O.D. x	3.125" Long	VG 15022/00
Guide: UN: 0.3420/0.5020/3.06	IE	Std	0.3420" I.D. x	0.5020" O.D. x	3.065" Long	VG 15024/00
Guide: GM: 0.3420/0.5020/2.75	IN	Std	0.3420" I.D. x	0.5020" O.D. x	2.750" Long	VG 15025/00
Guide: UN: 0.3110/0.4390/2.28	IE	Std	0.3110" I.D. x	0.4390" O.D. x	2.280" Long	VG 15026/00
Guide: UN: 0.3120/0.5020/2.87	IE	Std	0.3120" I.D. x	0.5020" O.D. x	2.875" Long	VG 15029/00
Guide: UN: 0.3120/0.5020/2.37	IE	Std	0.3120" I.D. x	0.5020" O.D. x	2.375" Long	VG 15040/00
Guide: UN: 0.3720/0.5020/2.62	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.625" Long	VG 15041/00
Guide: UN: 0.3095/0.5020/2.37	IE	Std	0.3095" I.D. x	0.5020" O.D. x	2.375" Long	VG 15042/00
Guide: UN: 0.3095/0.5020/2.87	IE	Std	0.3095" I.D. x	0.5020" O.D. x	2.875" Long	VG 15043/00
Guide: UN: 8mm	IE	Std	0.3135" I.D. x	0.5020" O.D. x	2.440" Long	VG 15044/00
Guide: UN: 0.3420/0.5650/2.62	IE	Std	0.3420" I.D. x	0.5650" O.D. x	2.625" Long	VG 15051/00
Guide: UN: 0.3720/0.5650/2.62	IE	Std	0.3720" I.D. x	0.5650" O.D. x	2.625" Long	VG 15052/00
Guide: UN: 0.3430/0.5020/3.12	IE	Std	0.3430" I.D. x	0.5020" O.D. x	3.125" Long	VG 15070/00
Guide: UN: 0.3410/0.5020/2.25	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.250" Long	VG 15105/00
Guide: UN: 0.3410/0.5020/2.37	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.375" Long	VG 15106/00
Guide: UN: 0.3410/0.5020/2.62	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.625" Long	VG 15107/00
Guide: UN: 0.3710/0.5020/2.37	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.375" Long	VG 15109/00
Guide: UN: 0.3410/0.5020/2.87	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.875" Long	VG 15112/00
Guide: UN: 0.3410/0.5020/2.50	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.500" Long	VG 15119/00
Guide: UN: 0.3710/0.5020/2.50	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.500" Long	VG 15121/00
Guide: UN: 0.3710/0.5020/2.75	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.750" Long	VG 15123/00
Guide: UN: 0.3410/0.5020/2.75	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.750" Long	VG 15125/00
Guide: UN: 0.3100/0.5020/2.37	IE	Std	0.3100" I.D. x	0.5020" O.D. x	2.375" Long	VG 15140/00
Guide: UN: 0.3420/0.5020/2.37	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.375" Long	VG 15206/00
Guide: UN: 0.3420/0.5020/2.50	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.500" Long	VG 15219/00
Guide: UN: 0.3720/0.5020/2.50	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.500" Long	VG 15221/00
Guide: UN: 0.3420/0.5020/2.12	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.125" Long	VG 15227/00
Guide: UN: 0.3730/0.5020/2.62	IE	Std	0.3730" I.D. x	0.5020" O.D. x	2.625" Long	VG 15341/00
Guide: UN: 0.3440/0.5020/2.25	IE	Std	0.3440" I.D. x	0.5020" O.D. x	2.250" Long	VG 15405/00
Guide: UN: 0.3440/0.5020/2.37	IE	Std	0.3440" I.D. x	0.5020" O.D. x	2.375" Long	VG 15406/00
Guide: UN: 0.3740/0.5020/2.37	IE	Std	0.3740" I.D. x	0.5020" O.D. x	2.375" Long	VG 15409/00

DOMESTIC HIGH-PERFORMANCE (U.S.A. manufactured engines)

Universal Type: Flanged with Formed Top Valve Stem Seal Area (0.531" O.D.) (Aprox .400 from bottom of flange to top guide)

Guide: HP: 0.3090/0.4390/2.40	IE	Std	0.3090" I.D. x	0.4390" O.D. x	2.400" Long	VG 18084/00
Guide: HP: 0.3090/0.4390/2.70	IE	Std	0.3090" I.D. x	0.4390" O.D. x	2.700" Long	VG 18087/00
Guide: HP: 0.3090/0.4390/3.00	IE	Std	0.3090" I.D. x	0.4390" O.D. x	3.000" Long	VG 18089/00
Guide: HP: 0.3090/0.5020/2.70	IE	Std	0.3090" I.D. x	0.5020" O.D. x	2.700" Long	VG 18097/00
Guide: HP: 0.3105/0.5020/2.20	IE	Std	0.3105" I.D. x	0.5020" O.D. x	2.200" Long	VG 18102/00
Guide: HP: 0.3120/0.5020/2.40	IE	Std	0.3120" I.D. x	0.5020" O.D. x	2.400" Long	VG 18124/00
Guide: HP: 0.3410/0.5020/2.20	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.200" Long	VG 18412/00
Guide: HP: 0.3410/0.5020/2.40	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.400" Long	VG 18414/00
Guide: HP: 0.3410/0.5020/2.50	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.500" Long	VG 18415/00
Guide: HP: 0.3410/0.5020/2.70	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.700" Long	VG 18417/00
Guide: HP: 0.3420/0.5020/2.20	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.200" Long	VG 18422/00
Guide: HP: 0.3420/0.5020/2.40	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.400" Long	VG 18424/00
Guide: HP: 0.3420/0.5020/2.50	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.500" Long	VG 18425/00
Guide: HP: 0.3420/0.5020/2.70	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.700" Long	VG 18427/00
Guide: HP: 0.3430/0.5020/2.20	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.200" Long	VG 18432/00
Guide: HP: 0.3430/0.5020/2.40	IE	Std	0.3430" I.D. x	0.5020" O.D. x	2.400" Long	VG 18434/00
Guide: HP: 0.3440/0.5020/2.20	IE	Std	0.3440" I.D. x	0.5020" O.D. x	2.200" Long	VG 18442/00
Guide: HP: 0.3710/0.5020/2.20	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.200" Long	VG 18712/00
Guide: HP: 0.3710/0.5020/2.50	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.500" Long	VG 18715/00
Guide: HP: 0.3710/0.5020/2.70	IE	Std	0.3710" I.D. x	0.5020" O.D. x	2.700" Long	VG 18717/00
Guide: HP: 0.3720/0.5020/2.40	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.400" Long	VG 18724/00
Guide: HP: 0.3720/0.5020/2.50	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.500" Long	VG 18725/00
Guide: HP: 0.3720/0.5020/2.70	IE	Std	0.3720" I.D. x	0.5020" O.D. x	2.700" Long	VG 18727/00
Guide: HP: 0.3730/0.5020/2.70	IE	Std	0.3730" I.D. x	0.5020" O.D. x	2.700" Long	VG 18737/00

DOMESTIC HIGH-PERFORMANCE (U.S.A.) BY MANUFACTURER TYPE (Copy of original guide)

BLUE THUNDER

Guide: HP: AT Francis: SP 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.500" Long	VG 19330/00
Guide: HP: AT Francis: SP 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.185" Long	VG 19331/00
Guide: HP: BI Thndr 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19650/00
Guide: HP: BI Thndr 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19653/00

AIR FLOW RESEARCH MANUFACTURING / BROWNFIELD

Guide: HP: Air Res/Brmfld I	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.130" Long	VG 19272/00
Guide: HP: Air Res/Brmfld II	IE	Std	0.3410" I.D. x	0.5020" O.D. x	1.935" Long	VG 19274/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: HP: Air Late 8mm Stem	IE	Std	0.3140" I.D. x	0.5020" O.D. x	2.130" Long	VG 19273/00
ALAN ROOT / ARIAS RACING ENGINES						
Guide: HP: A Root: "A" 0.341 ID	IN	Std	0.3412" I.D. x	0.5643" O.D. x	2.500" Long	VG 19238/00
Guide: HP: A Root: "A" 0.341 ID	EX	Std	0.3412" I.D. x	0.5643" O.D. x	2.250" Long	VG 19239/00
ARDUN FORD FLAT HEAD to OHV V8 CONVERSION						
Guide: HP: Ardun: Ford V8 OHV	IE	Std	0.3732" I.D. x	0.5965" O.D. x	2.500" Long	VG 19220/00
ARIAS RACING ENGINES						
Guide: HP: Arias: "B" 0.311 ID	IN	Std	0.3110" I.D. x	0.5643" O.D. x	2.500" Long	VG 19234/00
Guide: HP: Arias: "B" 0.312 ID	EX	Std	0.3125" I.D. x	0.5643" O.D. x	2.250" Long	VG 19235/00
Guide: HP: Arias: "A" 0.343 ID	IN	Std	0.3431" I.D. x	0.5643" O.D. x	2.500" Long	VG 19236/00
Guide: HP: Arias: "A" 0.343 ID	EX	Std	0.3434" I.D. x	0.5643" O.D. x	2.250" Long	VG 19237/00
Guide: HP: A Root: "A" 0.341 ID	IN	Std	0.3412" I.D. x	0.5643" O.D. x	2.500" Long	VG 19238/00
Guide: HP: A Root: "A" 0.341 ID	EX	Std	0.3412" I.D. x	0.5643" O.D. x	2.250" Long	VG 19239/00
Guide: HP: Arias: "A-1" 0.342	IN	Std	0.3422" I.D. x	0.5643" O.D. x	2.500" Long	VG 19240/00
Guide: HP: Arias: "A-1" 0.343	EX	Std	0.3431" I.D. x	0.5643" O.D. x	2.250" Long	VG 19241/00
Guide: HP: Arias: GMC 12 0.341	IN	Std	0.3410" I.D. x	0.5645" O.D. x	2.875" Long	VG 19242/00
Guide: HP: Arias: GMC 12 0.341	EX	Std	0.3410" I.D. x	0.5645" O.D. x	2.875" Long	VG 19243/00
ARIAS / ALAN ROOT RACING ENGINES						
Guide: HP: A Root: "A" 0.341 ID	IN	Std	0.3412" I.D. x	0.5643" O.D. x	2.500" Long	VG 19238/00
Guide: HP: A Root: "A" 0.341 ID	EX	Std	0.3412" I.D. x	0.5643" O.D. x	2.250" Long	VG 19239/00
ARROW RACING ENGINES / CHRYSLER HIGH-PERFORMANCE						
Guide: HP: AR: CHR: 9398 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.015" Long	VG 19430/00
Guide: HP: AR: CHR: 1512 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.310" Long	VG 19431/00
Guide: HP: AR: CHR: 1004 0.3420	IE	Std	0.3420" I.D. x	0.5338" O.D. x	2.625" Long	VG 19432/00
Guide: HP: AR: CHR: 9556 0.3705	IE	Std	0.3705" I.D. x	0.5020" O.D. x	2.000" Long	VG 19434/00
Guide: HP: AR: CHR: 1513 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.525" Long	VG 19435/00
BLUE THUNDER PRODUCTS: A.T. FRANCIS						
Guide: HP: AT Francis: SP 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.500" Long	VG 19330/00
Guide: HP: AT Francis: SP 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.185" Long	VG 19331/00
Guide: HP: BI Thndr 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19650/00
Guide: HP: BI Thndr 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19653/00
BRODIX						
Guide: HP: Brodix: Ser I 0.502	IE	Std	0.3425" I.D. x	0.5020" O.D. x	2.200" Long	VG 19210/00
Guide: HP: Brodix: Ser II; III	IE	Std	0.3410" I.D. x	0.5452" O.D. x	2.020" Long	VG 19212/00
Guide: HP: Brodix: Ser 2/3 Long	IE	Std	0.3410" I.D. x	0.5455" O.D. x	2.400" Long	VG 19213/00
Guide: HP: Brodix: Big Block 0.341	IE	Std	0.3410" I.D. x	0.5452" O.D. x	2.420" Long	VG 19214/00
Guide: HP: Brodix: Ser 2/3 309	IE	Std	0.3090" I.D. x	0.5455" O.D. x	2.400" Long	VG 19215/00
Guide: HP: Brodix: Big Block 0.371	IE	Std	0.3710" I.D. x	0.5452" O.D. x	2.420" Long	VG 19216/00
Guide: HP: Brodix: Raised Runner	IE	Std	0.3410" I.D. x	0.5452" O.D. x	2.200" Long	VG 19217/00
CHRYSLER HIGH-PERFORMANCE						
Guide: HP: Shelby: Chrysler 3.3L V-6	IN	Std	0.3125" I.D. x	0.4940" O.D. x	2.275" Long	VG 19400/00
Guide: HP: Shelby: Chrysler 3.3L V-6	EX	Std	0.3092" I.D. x	0.4940" O.D. x	2.275" Long	VG 19401/00
Guide: HP: AR: CHR: 9398 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.015" Long	VG 19430/00
Guide: HP: AR: CHR: 1512 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.310" Long	VG 19431/00
Guide: HP: AR: CHR: 1004 0.3420	IE	Std	0.3420" I.D. x	0.5338" O.D. x	2.625" Long	VG 19432/00
Guide: HP: AR: CHR: 9556 0.3705	IE	Std	0.3705" I.D. x	0.5020" O.D. x	2.000" Long	VG 19434/00
Guide: HP: AR: CHR: 1513 0.3705	IE	Std	0.3705" I.D. x	0.4938" O.D. x	2.525" Long	VG 19435/00
DART / WORLD MANUFACTURING						
Guide: HP: Dart SP 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19650/00
Guide: HP: Dart SP 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19651/00
EDELbroCK MANUFACTURING						
Guide: HP: Edelbrock: Vic Jr 0.309	IN	Std	0.3090" I.D. x	0.5455" O.D. x	2.400" Long	VG 19700/00
Guide: HP: Edelbrock: Vic Jr 0.309	EX	Std	0.3090" I.D. x	0.5455" O.D. x	2.550" Long	VG 19701/00
Guide: HP: Edelbrock: Vic Jr 0.341	IN	Std	0.3410" I.D. x	0.5455" O.D. x	2.400" Long	VG 19706/00
Guide: HP: Edelbrock: Vic Jr 0.341	EX	Std	0.3410" I.D. x	0.5455" O.D. x	2.550" Long	VG 19707/00
Guide: HP: Edelbrock: Vic Jr 0.371	IN	Std	0.3710" I.D. x	0.5455" O.D. x	2.400" Long	VG 19710/00
Guide: HP: Edelbrock: Vic Jr 0.371	EX	Std	0.3710" I.D. x	0.5455" O.D. x	2.550" Long	VG 19711/00
FORD "BOSS" and "SVO"						
Guide: HP: Ford: SVO/AR289; 302	IE	Std	0.3420" I.D. x	0.5020" O.D. x	2.090" Long	VG 19248/00
Guide: HP: Ford: Boss 351 0.341	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.290" Long	VG 19280/00
Guide: HP: Ford: Boss 429 0.372	IE	Std	0.3725" I.D. x	0.5800" O.D. x	2.445" Long	VG 19282/00
Guide: HP: Ford: Boss 351 0.342	IE	Std	0.3420" I.D. x	0.5800" O.D. x	2.445" Long	VG 19284/00
GENERAL MOTORS HIGH-PERFORMANCE						
Guide: HP: GM: Bowtie 0.341 ID	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.000" Long	VG 19262/00
Guide: HP: GM: 350 Aluminum Head	IE	Std	0.3425" I.D. x	0.5575" O.D. x	2.275" Long	VG 9436/00
Guide: HP: GM: ZR-1 350 DOHC 4V	IN	Std	0.3149" I.D. x	0.5000" O.D. x	1.575" Long	VG 19292/00
Guide: HP: GM: ZR-1 350 DOHC 4V	EX	Std	0.3149" I.D. x	0.5000" O.D. x	1.695" Long	VG 19293/00

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION		O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: HP: GM: 18° Aluminum Head	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.250" Long	VG 19294/00
Guide: HP: GM: 18° Aluminum Head Uni	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.400" Long	VG 19296/00
Guide: HP: GM: SB 15° Aluminum Head	IE	Std	0.3090" I.D. x	0.5020" O.D. x	2.050" Long	VG 19506/00
Guide: HP: GM: AL: 0.309/0.502/2.2	IN	Std	0.3095" I.D. x	0.5020" O.D. x	2.200" Long	VG 19514/00
Guide: HP: GM: AL: 0.309/0.502/2.2	EX	Std	0.3095" I.D. x	0.5020" O.D. x	2.400" Long	VG 19515/00
Guide: HP: GM: AL: 0.309/0.502/2.4	IN	Std	0.3095" I.D. x	0.5020" O.D. x	2.400" Long	VG 19516/00
Guide: HP: GM: AL: 0.309/0.502/2.4	EX	Std	0.3095" I.D. x	0.5020" O.D. x	2.400" Long	VG 19517/00
Guide: HP: GM: AL: 0.341/0.502/2.2	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.200" Long	VG 19534/00
Guide: HP: GM: AL: 0.341/0.502/2.2	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.200" Long	VG 19535/00
Guide: HP: GM: AL: 0.341/0.502/2.4	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.400" Long	VG 19536/00
Guide: HP: GM: AL: 0.341/0.502/2.4	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.400" Long	VG 19537/00
Guide: HP: GM: AL: 0.371/0.502/2.4	IN	Std	0.3710" I.D. x	0.5020" O.D. x	2.400" Long	VG 19542/00
Guide: HP: GM: AL: 0.371/0.502/2.4	EX	Std	0.3710" I.D. x	0.5020" O.D. x	2.400" Long	VG 19543/00
T.A. PERFORMANCE						
Guide: HP: TA: Buick SP 0.371	IE	Std	0.3710" I.D. x	0.5643" O.D. x	2.000" Long	VG 19310/00
Guide: HP: TA: Buick SP 0.373	IE	Std	0.3728" I.D. x	0.5643" O.D. x	2.000" Long	VG 19311/00
Guide: HP: TA: Buick SP 0.341	IE	Std	0.3410" I.D. x	0.5643" O.D. x	2.000" Long	VG 19312/00
Guide: HP: TA: Buick I 0.310	IE	Std	0.3410" I.D. x	0.5643" O.D. x	2.000" Long	VG 19313/00
Guide: HP: TA: Buick II 0.373	IE	Std	0.3728" I.D. x	0.5020" O.D. x	2.000" Long	VG 19314/00
Guide: HP: TA: Buick II 0.3741	IE	Std	0.3410" I.D. x	0.5020" O.D. x	2.000" Long	VG 19315/00
TRICK FLOW (Summit Racing)						
Guide: HP: Trick Flow: Type I 335	IE	Std	0.3350" I.D. x	0.5018" O.D. x	2.000" Long	VG 19580/00
Guide: HP: Trick Flow: Type I 341	IE	Std	0.3410" I.D. x	0.5018" O.D. x	2.000" Long	VG 19582/00
WORLD MANUFACTURING / DART						
Guide: HP: Dart SP 0.341	IN	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19650/00
Guide: HP: Dart SP 0.341	EX	Std	0.3410" I.D. x	0.5020" O.D. x	2.075" Long	VG 19651/00
PROCOMP/IMPORTED HEADS						
BMW						
Guide: MC: HP: SI: BMW: 8x14mm	IE	Std	0.3140" I.D. x	0.5540" O.D. x	1.890" Long	VG 91020/00
Guide: MC: HP: SI: BMW: 0.313x14	IE	Std	0.3140" I.D. x	0.5540" O.D. x	1.890" Long	VG 91022/00
Guide: MC: 1100cc 2V 09-On	IE	Std	0.1960" I.D. x	0.4945" O.D. x	1.855" Long	VG 91025/00
Guide: MC: 1100cc 2V 09-On	IE	Std	0.1960" I.D. x	0.4335" O.D. x	1.580" Long	VG 91026/00
BSA						
Guide: MC: BSA: 650/A65; 500/50	IE	Std	0.3125" I.D. x	0.5020" O.D. x	1.965" Long	VG 92050/00
HARLEY DAVIDSON						
Guide: MC: Harley: Pan/Shovel	IE	Std	0.3740" I.D. x	0.5655" O.D. x	1.955" Long	VG 95014/00
Guide: MC: Harley: Late 7mm	IE	Std	0.2760" I.D. x	0.5635" O.D. x	2.050" Long	VG 2504400
Guide: MC: Harley: Sportster	IN	Std	0.3105" I.D. x	0.5650" O.D. x	1.925" Long	VG 95020/00
Guide: MC: Harley: Sportster	EX	Std	0.3415" I.D. x	0.5650" O.D. x	1.925" Long	VG 95021/00
Guide: MC: Harley: Shovel Lte	IE	Std	0.3740" I.D. x	0.6245" O.D. x	1.955" Long	VG 95024/00
Guide: MC: Harley: Evo Norm	IE	Std	0.3097" I.D. x	0.5630" O.D. x	2.400" Long	VG 95030/00
HONDA						
Guide: MC: Honda: 750	IN	Std	0.2601" I.D. x	0.4755" O.D. x	1.805" Long	VG 97038/00
Guide: MC: Honda: 750	EX	Std	0.2601" I.D. x	0.4755" O.D. x	1.925" Long	VG 97039/00
Guide: MC: Honda: XR 250	IE	Std	0.2162" I.D. x	0.4360" O.D. x	1.970" Long	VG 97050/00
Guide: MC: Honda: XR 350	IE	Std	0.2162" I.D. x	0.4360" O.D. x	2.050" Long	VG 97060/00
Guide: MC: Honda: X2S 250	IE	Std	0.2162" I.D. x	0.4360" O.D. x	1.770" Long	VG 97070/00
Guide: MC: Honda: XR 600	IE	Std	0.2601" I.D. x	0.4760" O.D. x	1.930" Long	VG 97080/00
KAWASAKI						
Guide: MC: Kawasaki: 900/1000	IE	Std	0.2758" I.D. x	0.4755" O.D. x	1.645" Long	VG 98034/00
POLARIS						
Guide: MC: Polaris: V 1500 7mm	IN	Std	0.2754" I.D. x	0.4735" O.D. x	1.655" Long	VG 96010/00
Guide: MC: Polaris: V 1500 7mm	EX	Std	0.2754" I.D. x	0.4735" O.D. x	1.6815" Long	VG 96011/00
SEA-DOO						
Guide: RX, GTI 4Tec Flanged/F	IE	Std	0.2360" I.D. x	0.4360" O.D. x	1.400" Long	VG 9002/00/F
SUZUKI						
Guide: MC: Suzuki: GS 1100	IE	Std	0.2167" I.D. x	0.4365" O.D. x	1.450" Long	VG 94040/00
TRIUMPH						
Guide: MC: Triumph: 650 TR6BON	IN	Std	0.3130" I.D. x	0.5020" O.D. x	2.000" Long	VG 93020/00
Guide: MC: Triumph: 650 TR6BON	EX	Std	0.3130" I.D. x	0.5020" O.D. x	2.000" Long	VG 93021/00
Guide: MC: Triumph: 650TR6	IE	Std	0.3110" I.D. x	0.5020" O.D. x	2.000" Long	VG 93022/00
YAMAHA						
Guide: MC: Yamaha: XT/TT 250	IE	Std	0.0000" I.D. x	0.0000" O.D. x	0.000" Long	VG 99082/00
REPAIR BLANKS: Rough turned (0.720" minimum) outside diameter concentric to various inside diameters (Some .502)						
Guide: Blank: 5.5mm: 0.2160/0.720/2.70			0.2160" I.D. x	0.7200" O.D. x	2.700" Long	VG 20216/RB
Guide: Blank: 6.0mm: 0.2361/0.720/2.70			0.2361" I.D. x	0.7200" O.D. x	2.700" Long	VG 20236/RB
Guide: Blank: 1/4": 0.2501/0.720/2.70			0.2501" I.D. x	0.7200" O.D. x	2.700" Long	VG 20250/RB

*All guides available in oversized OD's. Please inquire.



MANGANESE-BRONZE VALVE GUIDES continued

DESCRIPTION	O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER
Guide: Blank: 6.6mm: 0.2601/0.720/2.70		0.2601" I.D. x	0.7200" O.D. x	2.700" Long	VG 20260/RB
Guide: Blank: 7.0mm: 0.2761/0.720/2.70		0.2761" I.D. x	0.7200" O.D. x	2.700" Long	VG 20276/RB
Guide: Blank: 9/32": 0.26811/0.720/2.70		0.2680" I.D. x	0.7200" O.D. x	2.700" Long	VG 20281/RB
Guide: Blank: 0.309": 0.3092/0.720/2.70		0.3092" I.D. x	0.7200" O.D. x	2.700" Long	VG 20309/RB
Guide: Blank: 0.310": 0.3101/0.720/2.70		0.3101" I.D. x	0.7200" O.D. x	2.700" Long	VG 20310/RB
Guide: Blank: 0.311": 0.3110/0.720/2.70		0.3110" I.D. x	0.7200" O.D. x	2.700" Long	VG 20311/RB
Guide: Blank: 5/16": 0.3121/0.720/2.70		0.3121" I.D. x	0.7200" O.D. x	2.700" Long	VG 20312/RB
Guide: Blank: 8.0mm: 0.3150/0.720/2.70		0.3150" I.D. x	0.7200" O.D. x	2.700" Long	VG 20315/RB
Guide: Blank: 8.5mm: 0.3344/0.720/2.70		0.3344" I.D. x	0.7200" O.D. x	2.700" Long	VG 20334/RB
Guide: Blank: 0.341": 0.3411/0.720/2.70		0.3411" I.D. x	0.7200" O.D. x	2.700" Long	VG 20341/RB
Guide: Blank: 0.342": 0.3421/0.720/2.70		0.3421" I.D. x	0.7200" O.D. x	2.700" Long	VG 20342/RB
Guide: Blank: 9.0mm: 0.3543/0.720/2.70		0.3543" I.D. x	0.7200" O.D. x	2.700" Long	VG 20354/RB
Guide: Blank: 0.371": 0.3712/0.720/2.70		0.3712" I.D. x	0.7200" O.D. x	2.700" Long	VG 20371/RB
Guide: Blank: 10.0mm: 0.3939/0.720/2.70		0.3939" I.D. x	0.7200" O.D. x	2.700" Long	VG 20393/RB
Guide: Blank: 6mm x .502		0.2361" I.D. x	0.5020" O.D. x	2.400" Long	VG 11237/RB
Guide: Blank: 7mm x .502		0.2761" I.D. x	0.5020" O.D. x	2.400" Long	VG 11277/RB
Guide: Blank: 5.5mm x .502		0.2160" I.D. x	0.5020" O.D. x	2.400" Long	VG 11216/RB

SMALL ENGINE VALVE GUIDES*

DESCRIPTION	O.D. SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	OVERALL LENGTH	PART NUMBER	
BRIGGS & STRATTON						
Guide: 5HP Flanged	IE	0.2500" I.D. x	0.3130" O.D. x	1.540" Long	VG 19356/00	
Guide: 5HP	IE	0.2500" I.D. x	0.3130" O.D. x	1.540" Long	VG 19357/00	
Guide: 5HP Tighter ID	IE	0.2490" I.D. x	0.3130" O.D. x	1.540" Long	VG 19361/00	
Guide: 5HP OHV Early	IE	0.2500" I.D. x	0.2830" O.D. x	1.000" Long	VG 19363/00	
Guide: 5HP OHV Late	IE	0.2500" I.D. x	0.2830" O.D. x	1.500" Long	VG 19364/00	
Guide: 6.5HP Animal	IE	0.2470" I.D. x	0.4460" O.D. x	1.540" Long	VG 19365/00	
Guide: 6.5HP Animal	IE	0.2150" I.D. x	0.4460" O.D. x	1.540" Long	VG 19366/00	
HONDA						
Guide: GX 340/390 6.5mm	IE	Std	0.2600" I.D. x	0.4760" O.D. x	1.460" Long	VG 7182/00
Guide: GX 340/390 6mm	IE	Std	0.2355" I.D. x	0.4760" O.D. x	1.460" Long	VG 7182/00-6
Guide: GX 160/200/Predator	IE	Std	0.2160" I.D. x	0.3810" O.D. x	1.145" Long	VG 7190/00

*May fit other small engines. Please inquire.

*All guides available in oversized OD's. Please inquire.



DOMESTIC VALVE SPRINGS - Std. and Performance

AMERICAN MOTORS

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	151	1980-81	X	X		VS-50-685-7
		1983	X	X		
V-6	173	1986	X	X		VS-51-038-7
6	199	1967-70	X	X		VS-50-863
6	232	1974-77	X	X	Without Rotor Cap	VS-50-863
		1976-79	X	X		VS-51-082
6	258	1973-77	X	X	Without Rotor Cap	VS-50-863
		1976-83	X	X		VS-50-082
V-8	290	1966-69	X	X		VS-50-883
V-8	304	1971-77	X	X		VS-50-999
		1978-79	X	X		VS-51-082
V-8	343	1967-69	X	X		VS-50-883
V-8	360	1975-77	X	X		VS-50-999
		1978-79	X	X		VS-50-082
		1973-74	X			VS-50-999
		1973-74		X		VS-51-040-7
V-8	390	1968-70	X	X		VS-50-883
V-8	401	1971-76	X	X		VS-50-999

BUICK

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	121	1983-On	X	X		VS-51-038-7
4	151	1980-On	X	X		VS-50-685-7
V-6	173	1980	X	X		VS-51-038-7
V-6	196	1979	X		Late Type	VS-51-170
				X		VS-51-071-7
V-6	231	1979-83	X		Late Type	VS-51-170
		1979-83		X		VS-51-071-7
6	250	1968-75	X	X		VS-50-886
V-6	252	1980-83	X			VS-51-170
				X		VS-51-071-7
V-6	267	1981-On	X			VS-51-170
				X		VS-51-071-7
V-8	301	1977-81	X	X		VS-50-684-7
V-8	305	1977-On	X	X		VS-50-880-7
V-8	307	1972-76	X			VS-50-880-7
		1972-76		X		VS-51-038-7
		1968-71	X	X		VS-50-880-7
V-8	350L	1978-83	X			VS-50-880-7
				X		VS-51-038-7
V-8	350R	1975-79	X	X		VS-51-016
V-8	403	1977-79	X	X		VS-51-016

CADILLAC

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
V-6	250	1976	X	X		VS-051-16
V-6	252	1980-On	X	X		VS-51-219-7
V-8	350	1977-80	X	X		VS-50-016
V-8	472	1968-74	X	X		VS-50-619
V-8	500	1970-76	X	X		VS-50-619

CHEVROLET

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	112	1982-83	X	X		VS-51-038-7
	121		X	X		
6	145	1964-69	X	X	Corvair	VS-05-685-7
	164		X	X	Corvair	
4	151	1978-On	X	X		VS-50-685-7
4	153	1963-70	X	X	2nd Design 1963	VS-50-685-7
V-6	173	1980-On	X	X		VS-51-038-7
6	194	1962-67	X	X		VS-50-886

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE SPRINGS continued

CHEVROLET - Continued

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
V-6	200	1978-79	X	X		VS-50-880-7
V-6	229	1980-On	X	X		VS-50-880-7
6	250	1977-79	X	X	Head / Manifold as 1	VS-50-685-7
V-8	262	1975-79	X			VS-50-880-7
				X		VS-510-038
V-8	265	1955-56	X	X		VS-50-685-7
V-8	267	1979-82	X	X		VS-50-880-7
V-8	283	1967-On	X	X		VS-50-880-7
		1957-66	X	X	Except 2-BBL	VS-50-685-7
V-8	302	1967-On	X	X	Except HP	VS-50-880-7
		1968-70	X	X	HP Z28	VS-50-943-7
V-8	305	1976-83	X	X		VS-50-880-7
V-8	307	1972-76	X			VS-50-880-7
				X		VS-51-038-7
		1968-71	X	X		VS-50-880-7
V-8	327	1967-69	X	X		VS-50-880-7
		1965-66	X	X		VS-50-685-7
V-8	350L	1978-On	X	X		VS-50-880-7
	350HP	1972-77	X	X	HP Z28	VS-50-943-7
				X	Except HP	VS-51-038-7
		1967-72	X	X		VS-50-880-7
V-8	396	1968-70	X	X	Single Spring	VS-50-816-7
V-8	400	1970-76	X		Small Block	VS-50-880-7
				X	Small Block	VS-51-038-7
V-8	402	1971-72	X	X		VS-50-816-7
V-8	454	1970-On	X	X	Except HP	VS-50-816-7

CHEVROLET TRUCK (GMC)

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	2.0	1983-On	X	X	S Truck	VS-51-038-7
6	164	1964-65	X	X		VS-50-685-7
6	194	1963-67	X	X		VS-50-886
6	230	1963-69	X	X		VS-50-886
6	250	1976-83	X	X	Head / Manifold as1	VS-50-685-7
		1967-77	X	X	Separate	VS-50-886
V-8	283	1967-On	X	X		VS-50-880-7
		1962-66	X	X		VS-50-685-7
6	292	1963-83	X	X		VS-50-685-7
V-8	305	1976-82	X	X	Except 1977-79	VS-50-880-7
		1977	X			VS-50-880-7
				X		VS-51-038-7
V-8	307	1973-On	X			VS-50-880-7
				X		VS-51-038-7
		1968-72	X	X		VS-50-880-7
V-8	327	1968	X	X		VS-50-880-7
		1962-67	X	X		VS-50-685-7
V-8	350	1981-83	X	X		VS-50-880-7
		1973-80	X			VS-50-880-7
				X		VS-51-038-7
		1969-72	X	X		VS-50-880-7
V-8	366	1966-81	X	X		VS-50-864-7
V-8	396	1968-70	X	X	Dual Spring	VS-51-009-1
	400	1968-70	X	X	Dual Spring	
			X	X	Single Spring	VS-50-816-7
V-8	400	1975-80	X		Small Block	VS-50-880-7
				X	Small Block	VS-51-038-7
V-8	427	1969-81	X	X		VS-50-864-7
V-8	454	1975-On	X	X		VS-50-864-7

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE SPRINGS continued

HIGH PERFORMANCE CHEVROLET

O.D.	CLOSED	OPEN	LIFT	PART NUMBER
1.253	110 lbs. @ 1.700	285 lbs. @ 1.210	.490	VS-50-943-X (Z-28)
1.253	115 lbs. @ 1.800	335 lbs. @ 1.200	.575	VS-53-574-7
1.253	120 lbs. @ 1.800	440 lbs. @ 1.125	.600	SHPVS-200
1.550	225 lbs. @ 1.950	590 lbs. @ 1.230	.700	VS-53-583-1
1.440	110 lbs. @ 1.750	215 lbs. @ 1.250	—	VS-53-084-7 (outer)
—	31 lbs. @ 1.625	50 lbs. @ 1.437	—	VS-53-074-151 (inner)
—	75 lbs. @ 1.637	—	—	VS-53-083 (inner)

CHRYSLER (DODGE, DODGE TRUCK, PLYMOUTH, JEEP, EAGLE)

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	2.2	1982-On	X	X		VS-51-196
6	170	1960	X	X		
6	198	1970-74	X	X		
6	225	1960-On	X	X		VS-50-675
6	230	1940-59	X	X	Without Rotor Cap	VS-50-415
			X	X	With Rotor Cap	VS-50-676
V-8	270	1955-56	X	X		VS-50-675
V-8	273	1964-79	X	X		VS-50-675
V-8	318	1960-On	X	X	Except 4-BBL / E48	VS-50-672
V-8	325	1955-57	X	X	Except 326	VS-50-672
V-8	340	1968-73	X	X		VS-50-901-7
V-8	360	1971-74	X	X	Except HP / 1975	VS-50-672
		1976-80	X	X		
		1974-75	X	X	HP	VS-50-901-7
V-8	361	1960-66	X	X		VS-50-869
V-8	383	1960-71	X	X	Without 2-BBL	VS-50-869
					Without Dampner	
V-8	400	1972	X	X		VS-50-869
		1972	X	X	HP	VS-50-891-7
V-8	440	1966-78	X	X		VS-50-869
		1968-78	X	X		VS-50-891-7

FORD (LINCOLN, MERCURY)

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	1.6	1981-On	X	X	Escort	VS-51-194
4	122	1971-74	X	X		VS-51-044
4	140	1974-83	X	X		VS-51-126
6	170	1963-72	X	X		VS-50-778
V-6	171	1974-On	X	X		VS-51-065
6	200	1963-83	X	X		VS-50-778
6	215	1952-53	X	X		VS-50-611
6	223	1954-64	X	X		VS-50-611
6	239	1954	X	X		VS-50-611
6	240	1965-On	X	X	M / D	VS-50-807
6	250	1969-83	X	X		VS-50-778
V-8	255	1980-On	X			VS-51-175
				X		VS-51-086
V-8	260	1964-65	X	X		VS-50-611
V-8	272	1955-57	X	X		VS-50-611
V-8	289	1963	X	X	Up to L-10 1966	VS-50-611
			X	X	After L-10 to	VS-50-867
					L-14 1967	
		1968	X	X		VS-50-906
		1963-67	X	X	Special	VS-50-786-7
V-8	292	1955-62	X	X		VS-50-611
6	300	1965-On	X	X	M / D	VS-50-807
V-8	302	1978-83	X		Except HO But With	VS-51-175
					Rocker Bolt	
				X		VS-51-086
		1973-78	X		With VIVR &	VS-50-936
					Rocker Stud	
				X		VS-51-086

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE SPRINGS continued

FORD (LINCOLN, MERCURY) - Continued

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
		1969-72	X	X	After L-4	VS-50-936
		1968	X	X	Before L-4	VS-50-906
V-8	312	1958-59	X	X		VS-50-611
V-8	332	1958-59	X	X	With Dampner	VS-50-67-7
			X	X	Without Dampner	VS-50-677
V-8	351W	1980-On	X		Except HO	VS-51-175
				X		VS-51-086
		1977-79	X			VS-51-011
				X		VS-51-086
		1970-76	X	X		VS-51-011
V-8	351M	1977-79	X			VS-50-994
				X		VS-51-149
V-8	351C	1970-74	X	X	4-BBL	VS-50-907-7
		1970-79	X	X	2-BBL	VS-50-994
V-8	352	1966-68	X	X	With Dampner	VS-50-677-7
			X	X	Without Dampner	VS-50-677
V-8	390	1961-65	X	X	Except Police	VS-50-745-7
V-8	400	1978-79	X			VS-50-994
				X		VS-51-149
		1973-77	X	X		VS-50-994
V-8	406	1962-63	X	X		VS-50-907-7
V-8	427	1963-68	X	X		VS-50-907-7
V-8	428	1966-70	X	X		VS-50-907-7
V-8	429	1968-78	X	X	Except HP	VS-50-991
V-8	460	1968-79	X	X	Except HP	VS-50-991

FORD TRUCK

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
6	300	1965-83	X		HD	VS-50-807
				X		VS-50-812
V-8	330	1964-77	X	X	MD	VS-50-677
V-8	359	1977-78	X		After SN #C10,001	VS-50-909-7
		1977-78		X		VS-50-798
		1964-77	X	X	Before SN #C10,001	VS-50-798
V-8	360	1972-76	X			VS-50-909-7
				X		VS-50-798
		1973-76	X	X	F150 / 350	VS-50-909-7
		1972	X			VS-50-909-7
				X		VS-50-798
V-8	370	1979-81	X	X	4-BBL	VS-50-167
			X	X	2-BBL	
				X		VS-51-166
V-8	389	1974-78	X	X		VS-50-798
V-8	390	1973-76	X	X		VS-50-909-7
		1972	X		All	
				X		VS-50-798
		1968-71	X	X		VS-50-909-7
V-8	391	1964-7	X	X		VS-50-798
		1977-78	X	X		VS-50-909-7
V-8	428	1969	X	X		

INTERNATIONAL TRUCK

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
V-8	304	1975-83	X	X	With Rotor Cap	VS-50-887-7
	345		X	X		
		1959-74	X		Without Rotor Cap	VS-50-718-7
				X		VS-50-887-7
V-8	392		X	X	With Rotor Cap	VS-50-718-7
			X	X	Without Rotor Cap	VS-50-887-7
	MV404		X	X		
	MV446		X	X		

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE SPRINGS continued

OLDSMOBILE

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	151	1977-On	X	X		VS-50-685-7
V-6	173	1980	X	X		VS-51-038-7
V-6	231	1979-81	X			VS-51-170
				X		VS-51-071-7
6	250	1975-79	X	X	Head/Manifold as 1	VS-50-685-7
		1966-75	X	X		VS-50-886
V-8	260	1976-82	X	X	Gas	VS-51-016
V-8	302	1977-80	X	X		VS-50-685-7
V-8	305	1978-83	X	X		VS-50-880-7
		1977	X			VS-50-880-7
V-8	350	1968-71	X	X	All Except OA1/ Turbo 350	VS-51-038-7
		1970	X	X	Except OA1	VS-50-884-7
		1972	X			VS-51-016
				X		VS-51-016-7
		1973-75	X	X	All Except X	VS-51-016
	350R	1976-81	X	X		VS-51-016
	350L	1977	X			VS-50-880-7
				X		VS-51-038-7
		1978-83	X	X		VS-50-880-7
V-8	400	1975	X			VS-50-813
				X		VS-50-814
V-8	403	1977-79	X	X		VS-51-016
V-8	455	1975-78	X	X		VS-51-016
		1972-73	X	X	Except Turbo	VS-51-017-7
		1969	X	X	Except F85 / F85 With OA1 / Hurst Oil	VS-50-884-7

PONTIAC

CYL.	C.I.D.	YEAR	IN.	EX.	NOTE	PART NUMBER
4	112	1982	X	X	Gas	VS-51-038-7
4	121	1983	X	X		
4	151	1977-83	X	X		VS-50-685-7
V-6	173	1980	X	X		VS-51-038-7
6	250	1976-79	X	X	Head/Manifold as 1	VS-50-685-7
		1970-75	X	X	Separate	VS-50-886
V-8	260	1975-79	X	X		VS-51-016
V-8	265	1980-81	X	X		VS-50-685-7
	301	1977-81	X	X	W&Y	
V-8	305F	1980-83	X	X		VS-50-880-7
	305	1977-79	X			VS-50-880-7
				X		VS-51-038-7
V-8	326	1965-69	X	X	Inner	VS-50-813
				X	Outer	VS-50-814
V-8	350R	1975-81	X	X		VS-50-016
V-8	350L	1977-79	X			VS-50-880-7
				X		VS-51-038-7
V-8	350P	1970-79	X	X	Inner	VS-50-813
				X	Outer	VS-50-814
V-8	400	1965-79	X	X	Inner/Except Ram Air	VS-50-813
				X	Outer/Except Ram Air	VS-50-814
V-8	403	1976	X	X	Inner / Early	VS-50-813
				X	Outer / Early	VS-50-814
		1976-79	X	X	Late	VS-51-016
V-8	421	1965-69	X	X	Inner	VS-50-813
				X	Outer	VS-50-814
V-8	455	1973-76	X	X	Inner/Except 455	VS-50-813
				X	Super Duty	
				X	Outer/Except	VS-50-814
				X	Super Duty	
4	121	1983	X	X		VS-51-038-7

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE SPRINGS

SI PERFORMANCE VALVE SPRINGS

O.D.	PRESSURE INSTALLED HEIGHT	TYPE	RATE PER INCH	COIL BIND	MAX. LIFT	NOTES	PART NUMBER
1.460"	130 lbs. - 1.800"	Dual	270 lbs.	1.160"	.600"		VS 1002
	360 lbs. - 1.200"	w/Damper					
1.250"	130 lbs. - 1.840"	Dual	—	—	.610"	Chevy LS-1	VS 1116
	380 lbs. - 1.230"						
1.460"	150 lbs. - 1.900"	Dual	420 lbs.	1.160"	.600"		VS 1125
	420 lbs. - 1.270"	w/Damper					
1.460"	140 lbs. - 1.875"	Dual	440 lbs.	1.160"	.600"		VS 1122
	390 lbs. - 1.325"	w/Damper					
1.460"	120 lbs. - 1.800"	Single		1.160"	.500"		VS 1120
	320 lbs. - 1.250"	w/Damper					
1.530"	150 lbs. - 1.900"	Dual	400 lbs.	1.140"	.650"	Flat Tappet	VS 1131
	450 lbs. - 1.250"	w/Damper					
1.550"	160 lbs. - 1.950"	Dual	450 lbs.	1.140"	.650"	Flat Tappet	VS 1139
	500 lbs. - 1.250"	w/Damper				or Small Roller	
1.550"	220 lbs. - 1.950"	Dual	420 lbs.	1.150"	.680"	Roller Cam	VS 1135
	550 lbs. - 1.270"	w/Damper					

SI HYPER-ALLOY RACING SPRINGS

O.D.	PRESSURE INSTALLED HEIGHT	TYPE	RATE PER INCH	COIL BIND	MAX. LIFT	NOTES	PART NUMBER
1.550"	230 lbs. - 1.950"	Dual	.540"	1.170"	.700"	Roller Cam	VS 1140
	590 lbs. - 1.270"	w/Damper					
1.550"	240 lbs. - 2.100"	Dual	495 lbs.	1.350"	.720"	Roller Cam	VS 1145
	610 lbs. - 1.410"	w/Damper					
1.640"	337 lbs. - 2.100"	Triple	595 lbs.	1.260"	.800"	Roller Cam	VS 1155
	865 lbs. - 1.300"	Inner Fit				Drag Racing	



IMPORT PERFORMANCE VALVE TRAIN COMPONENTS



SI Pro-Series Springs are precision wound from only the purest, high-quality chrome-silicone materials for the demands of today's high revving, x-treme boosted sport compact engines. SI Pro-Series Springs go through many stages of quality control to ensure a great piece every time. Racers rely on them...so can you.

O.D.	I.D.	SEAT PRESS.	OPEN PRESS.	COIL BIND	SPRING TYPE	MAX NET LIFT	PART NUMBER
ACURA INTEGRA GSR 1.7L DOHC VTEC (B17A) 1992-93							
ACURA INTEGRA GSR 1.8L DOHC VTEC (B18C1-5) 1994-2001							
28.6mm	21.3mm	80 Lbs.	195 Lbs.	19mm	Dual Spring	11mm	UR8101S
20.3mm	15.9mm	@34mm	10mm Lift		X-Treme Alloy	14mm	UR8110S
NOTE: please use SI retainer TR-9005 and stock spring base							
MITSUBISHI ECLIPSE GS & GST 2.0L DOHC (4G63-T) 1990-00							
29mm	21.3mm	80 Lbs.	190 Lbs.	19mm	Dual Spring	14mm	UR8103S
21.1mm	15.5mm	@35mm	10mm Lift		X-Treme Alloy		
NOTE: please use SI retainer TR-9006 and SI IL-1001 in place of stock spring base							
MITSUBISHI 3000GT VR-4 DOHC V6 (6G72-T) 1991-00							
29mm	21.3mm	80 Lbs.	190 Lbs.	19mm	Dual Spring	14mm	UR8118S
21.1mm	15.5mm	@35mm	10mm Lift		X-Treme Alloy		
NOTE: please use SI retainer TR-9003 and SI IL-1006 in place of stock spring base							

*Please inquire as to availability of valve springs not listed.



DOMESTIC VALVE TRAIN COMPONENTS

HARDENED VALVE LOCKS

DESCRIPTION	SIZE	PART NUMBER
7° Single Groove	5/16	VL-614HD
7° Single Groove	11/32	VL-555HD
7° Single Groove	3/8	VL-613HD
7° 2 Groove	3/8	VL-746HD
7° 4 Groove	11/32	VL-620HD
7° 4 Groove	3/8	VL-766HD

PUSHROD GUIDE PLATES

APPLICATION	PART NUMBER
Small Block Chevy Flat 5/16"	GP-2355
Small Block Chevy Raised 5/16"	GP-2151
Small Block Ford Flat 5/16"	GP-2152

Standard Stamped Steel Locks

STEM DIAMETER	ANGLE	SG	PART NUMBER	STEM DIAMETER	ANGLE	SG	PART NUMBER
11/32	7°	SG	VL 555	5/16	7°	SG	VL 614
3/8	7°	SG	VL 613				

VTM Titanium Retainers

"A"	"B"	"C"	"D"	ANGLE	INST. HT.	PART NUMBER
1.437"	1.065"	.700"		10°	+.050"	TR 730
1.437"	1.110"	.800"		10°	+.050"	TR 731
1.500"	1.110"	.710"		10°	+.050"	TR 732
1.500"	1.175"	.865"	.630"	10°	+.050"	TR 735
1.500"	1.110"	.720"		10°	+.050"	TR 9010
1.500"	1.165"	.760"		10°	+.050"	TR 9710
1.250"	LS-1					TR 9810
IMPORT						
Mitsubishi		1.6-2.0	4G63	STD		TR9006
Honda DOHC V-TEC		1.6-1.8		STD		TR9005
New Mini Cooper		1.6		STD		TR8990

VTM VALVE SPRING RETAINERS*

Heat-Treated

Our fully machined 4140 chrome moly and our stamped steel valve locks are heat treated to insure the strength and durability you expect from SI.

Machined Steel Locks 7°

STEM DIA.	INSTALLED HEIGHT	PART NUMBER	STEM DIA.	INSTALLED HEIGHT	PART NUMBER
11/32	Stk	VL 300	3/8	Stk	VL 450
11/32	-.050"	VL 350	3/8	-.050"	VL 500
11/32	+.050"	VL 400	3/8	+.050"	VL 550

Heat-Treated Machined Steel Lock 10°

STEM DIAMETER	INSTALLED HEIGHT	PART NUMBER
5/16	Stock w/cap recess	VL 600
11/32	Stock w/lash cap recess	VL 650
11/32	+.050" w/o lash cap recess	VL 750
3/8	Stock w/lash cap recess	VL 800
3/8	+.050" w/o lash cap recess	VL 850

VTM VALVE SPRING RETAINERS*

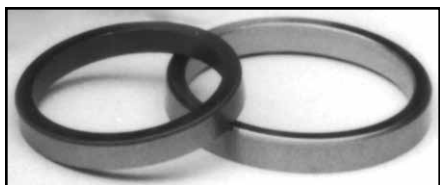
Chrome-Moly Retainers

"A"	"B"	"C"	ANGLE	INST. HT.	PART NUMBER
1.430"	1.060"	.695"	10°	Stock	SR 740
1.430"	1.130"	.695"	10°	11/32 Stock	SR 741
1.250"	.865"	.610"	7°	11/32 +.050"	SR 915
1.375"	1.060"	.675"	7°	11/32 -.050"	SR 936
1.375"	1.060"	.675"	7°	11/32 +.050"	SR 943
1.375"	1.060"	.675"	7°	11/32 Stock	SR 944
1.375"	1.060"	.675"	7°	3/8 Stock	SR 948
1.375"	1.075"	.792"	7°	11/32 Stock	SR 953
1.375"	1.075"	.792"	7°	3/8 Stock	SR 954
1.375"	1.135"	.635"	7°	3/8 Stock	SR 955
1.500"	1.135"	.635"	7°	11/32 Stock	SR 956
1.500"	1.060"	.675"	7°	3/8 +.060"	SR 957
1.250"	.865"	.610"	7°	11/32 Stock	SR 1230

***SI manufactures custom retainers & shims to your spec.**

Please inquire as to terms. Titanium or chrome moly.

*Please inquire as to availability of valve springs not listed.



=VTM=

CHROME-MOLY VALVE SEAT INSERTS

SI VALVE CO. IS PLEASED TO OFFER OUR **CHROME-MOLY ALLOY STEEL** VALVE SEAT PRODUCT LINE FOR ALL **DOMESTIC** AND **FOREIGN**, PASSENGER AUTOMOBILE AND LIGHT TRUCK APPLICATIONS. WITH OVER 1,000 SIZES AVAILABLE AND HUNDREDS OF THOUSANDS OF PIECES IN STOCK, WE ARE ABLE TO FILL YOUR VALVE SEAT APPLICATION NEEDS.



OUR VALVE SEATS ARE YOUR BEST BUY BECAUSE:

- **ALL** OF OUR VALVE SEATS ARE **U.S. MANUFACTURED** FROM **U.S. SUPPLIED** HOT AND COLD-WORKED, COMPACTED FINE GRAIN **STEELS**.
- ALL OF OUR VALVE SEATS ARE HEAT-TREATED TO THE PROPER FINAL HARDNESS REQUIRED TO ENABLE THEM TO PERFORM UNDER TODAY'S ADVERSE ENGINE OPERATING CONDITIONS USING LOW-LEAD, NO LEAD FUELS, AND LEAN BURN COMBUSTION CONDITIONS, HI-PERFORMANCE AND HEAVY-DUTY.

THE FINE GRAIN STRUCTURE ALLOY **STEELS** PROVIDE GREATER HEAT TRANSFER RATE THAN OTHER VALVE SEATS AT A FAR LOWER PRODUCT COST.

- THESE SEATS WILL NOT ERODE, DEGRADE, OR RECESS DURING BLAST TYPE CYLINDER HEAD CLEANING.

ON THE FOLLOWING PAGES YOU WILL FIND A "QUICK REFERENCE" LISTING FOR POPULAR VALVE SEAT SIZES. ALSO, THERE IS AN EXTENSIVE LISTING OF ADDITIONAL VALVE SEATS WITH COMPETITIVE INTERCHANGES. PLEASE CONTACT YOUR SALESPERSON IF YOU CANNOT FIND WHAT YOU NEED.

CONTACT YOUR LOCAL SALESPERSON FOR VALVE SEATS NOT LISTED HERE



VALVE SEATS

DYNAGEAR	J-LOY	I.D.	O.D.	DEPTH	SI PART NUMBER
30680 VS	SB1437-1	1-7/32	1-7/16	1/4	VS-12514321 SD
34500 VS	SB1437-2	1-7/32	1-7/16	7/32	VS-12114321 SD
—	C-1437-0	1-3/16	1-7/16	3/8	VS-11814337 SD
30500 VS	C-1437-3	1-3/16	1-7/16	7/32	VS-11814321 SD
31330 VS	C-1500-1	1-1/4	1-1/2	7/32	VS-12515021 SD
30820 VS	C-1562-1	1-5/16	1-9/16	7/32	VS-13115621 SD
33810 VS	C-1562-2	1-5/16			VS-13715625 TD
		1-9/16	1-9/16	1/4	
30780 VS	C-1625-1	1-3/8	1-5/8	7/32	VS-13716221 SD
30790 VS	C-1625-2	1-3/8	1-5/8	1/4	VS-13716225 SD
34470 VS	C-1687-1	1-13/32	1-11/16	1/4	VS-14016825 SD
31150 VS	C-1687-2	1-7/16	1-11/16	7/32	VS-14316821 SD
31290 VS	C-1750-1	1-1/2	1-3/4	1/4	VS-15017525 SD
31280 VS	C-1750-2	1-1/2	1-3/4	7/32	VS-15017521 SD
30990 VS	C-1750-3	1-7/16	1-3/4	7/32	VS-14317521 SD
32600 VS	C-1812-1	1-9/16	1-13/16	1/4	VS-15618125 SD
32530 VS	C-1812-2	1-1/2	1-13/16	7/32	VS-15018121 SD
32620 VS	C-1812-3	1-1/2	1-13/16	7/32	VS-16218121 TD
32580 VS	C-1812-4	1-5/8			VS-15618121 SD
		1-9/16	1-13/16	7/32	
31590 VS	C-1875-1	1-5/8	1-7/8	1/4	VS-16218725 SD
32700 VS	C-1937-1	1-11/16	1-15/16	1/4	VS-16819325 SD
32800 VS	C-2000-1	1-3/4	2	7/32	VS-17520021 SD
31870 VS	C-2062-1	1-13/16			VS-18720625 TD
		1-7/8	2-1/16	1/4	
31990 VS	C-2125-1	1-13/16	2-1/8	1/4	VS-18121225 SD
31860 VS	C-2125-2	1-7/8	2-1/8	1/4	VS-18721225 SD
32990 VS	C-2250-1	1-15/16	2-1/4	3/16	VS-19322518 SD
38430 VS	SB-1562-54	1-11/32	1-9/16	11/32	VS-13415634 TD
38420 VS	SB-1750-60	1-9/16	1-3/4	19/64	VS-15617529 TD
		1-7/16	1-5/8	11/32	VS-143-162-34 TD
	SB-1437-50	1-15/64			VS-123-143-32 TD
		1-9/64	1-7/16	5/16	
		1-11/32	1-9/16	21/64	VS-134-156-32 TD
	SB-1625-56	1-25/64			VS-139-162-31 TD
		1-19/64	1-5/8	5/16	
		1.120	1-3/8	0.350	VS-112-137-35
		1.120	1.393	0.350	VS-112-139-35
	SB-1437-56	1-3/16			VS-118-143-31 TD
		1-7/64	1-7/16	5/16	
		1.225	1.468	0.350	VS-122-146-35
		1.225	1-1/2	0.350	VS-122-150-35
		1.225	1.483	0.350	VS-122-148-35
		1-9/32	1.477	0.350	VS-128-147-35
		1.300	1.477	0.350	VS-130-147-35
	SB-1625-4	1-5/16	1-5/8	7/32	VS-131-162-21 SD
		1-21/64	1-5/8	23/64	VS-132-162-35 TD
	SB-1500-62	1-21/64	1-1/2	5/16	VS-132-150-31 TD
	SB-1687-9	1-5/16	1-11/16	7/32	VS-131-168-21 SD
	SB-1562-65	1-25/64			VS-139-156-31 TD
		1-5/16	1-9/16	5/16	



VALVE SEATS continued

DYNAGEAR	J-LOY	I.D.	O.D.	DEPTH	SI PART NUMBER
	SB-1675-56	1-25/64			VS-139-162-34 TD
		1-19/64	1-5/8	11/32	
		1.430			1VS-43-163-35
		1-5/16	1.630	0.350	
		1-1/2	1-3/4	0.350	VS-150-175-35
	SB-1812-12	1-5/8	1-13/16	7/32	VS-162-181-21 SD
	SB-1750-61	1-34/64			VS-160-175-31 TD
		1-29/64	1-3/4	5/16	
	SB-1875-51	1-23/32			VS-171-187-31 TD
		1-19/32	1-7/8	5/16	
	SB-1812-51	1-41/64			VS-164-181-31 TD
		1-17/32	1-13/16	5/16	
		1-25/64			VS-8-139-162-31 SD
		1-19/64	1-5/8	5/16	
		1.225	1-1/2	0.350	VS-8-122-150-35 SD
	SB-1812-0	1-1/2	1-13/16	5/16	VS-8-150-181-31 SD
		1-1/2			VS-8-150-168-29 TD
		1-29/64	1-11/16	19/64	
		1-17/64			VS-8-126-143-29 TD
		1-13/64	1-7/16	19/64	
	SB-1625-56	1-25/64			VS-8-139-162-31 SD
		1-19/64	1-5/8	5/16	
		1.200	1.483	0.350	VS-8-120-148-35 SD
	SB-1562-9	1-3/8			VS-8-137-156-25 TD
		1-5/16	1-9/16	1/4	
	SB-1812-15	1-3/8	1-13/16	5/16	VS-8-137-181-31 SD
		1-5/16	1-11/16	3/8	VS-8-131-168-37 SD
	SB-1687-8	1-3/8	1-11/16	5/16	VS-8-137-168-31 SD

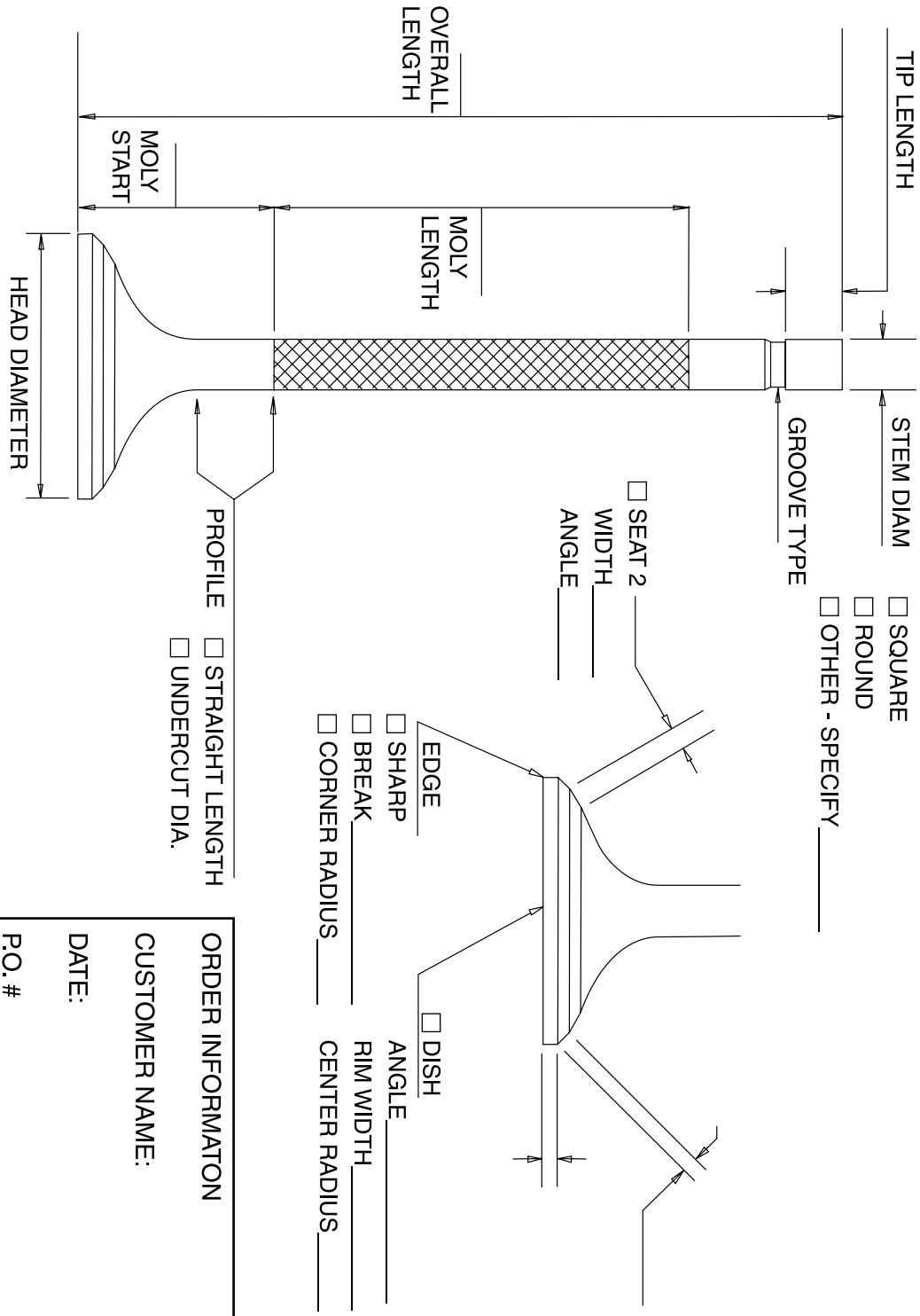
**** SI stocks many more applications than listed here.
Please contact a salesperson with your specifications.***

**** Custom Seats Available
Made to your Specs.
Please Inquire.***



CUSTOM VALVE SPEC SHEET

CUSTOM VALVE SPEC SHEET



PLEASE FILL IN ALL DIMENSIONS AND ORDER INFORMATION

SQUARE
 ROUND
 OTHER - SPECIFY _____

SEAT 2 WIDTH _____ ANGLE _____

SHARP
 BREAK _____
 CORNER RADIUS _____

DISH ANGLE _____ RIM WIDTH _____ CENTER RADIUS _____

STRAIGHT LENGTH
 UNDERCUT DIA.

ORDER INFORMATION
 CUSTOMER NAME: _____
 DATE: _____
 P.O. # _____
 QTY: _____

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
 **Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)
 ***Black nitrite coating is available on many part number (add -N to part number)
 ****If you don't find your application listed, please contact your salesperson. We add new items regularly.



NEW FROM SI VALVES METAL CLAD VI-TEMP VITON VALVE STEM SEALS DOMESTIC-UNIVERSAL / HI-PERFORMANCE

SEALS

DOMESTIC UNIVERSAL VALVE STEM SEALS HIGH PERFORMANCE — METAL CLAD UNLESS OTHERWISE NOTED

STEM DIA.	GUIDE O.D.	PART NUMBER	TYPE
.311	.500	VSSI-009	For Triple Spring
.311	.530	VSSI-040	
.311	.500	VSSI-061	Band and Ring Type
.311	.530	VSSI-066	For Triple Spring
.315 (8mm)	.500	VSSI-011	For AFR Head/Univ. 8mm
.315 (8mm)	.500	VSSI-041	GM LS Series Positive Type
.342	.500	VSSI-001	
.342	.500	VSSI-042	For Triple Spring
.342	.500	VSSI-058	Band and Ring Type
.342	.472	VSSI-064	Dual Spring .472
.342	.485	VSSI-065	For Triple Spring .485
.342	.530	VSSI-002	
.342	.530	VSSI-010	For Triple Spring
.342	.562	VSSI-003	Band and Ring Type
.342	.562	VSSI-006	
.342	.557	VSSI-008	GM Vortec .557 O.D.
.373	.500	VSSI-004	
.373	.530	VSSI-005	
.373	.562	VSSI-377	
.373	.625	VSSI-054	



VI-TEMP VITON VALVE STEM SEALS

MASTER LISTINGS AMERICAN • IMPORT

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
ACURA - HONDA												
ACURA - HONDA												
1.6L	097	1590	86-89	dohc	d16a1	L4	16V		.260	.476		VSSI-016
1.7L	102	1678	92-94	dohc	b17a1	L4	16V		.217	.436		VSSI-015
1.8L	112	1834	90-93	dohc	b18a1	L4	16V		.260	.476		VSSI-016
	112	1834	94-97	dohc	b18b1	L4	16V		.260	.476		VSSI-016
1.9L	109	1979	94-01	dohc	b18c1	L4	16V		.217	.436		VSSI-015
2.2L	132	2260	1997	sohc	f22b1	L4	16V		.217	.436		VSSI-015
2.3L	138	2260	98-99	sohc	f23a1	L4	16V		.217	.436		VSSI-015
2.5L	150	2451	92-95	sohc	g25a1	L5	20V		.217	.436		VSSI-015
	150	2451	92-95	sohc	g25a4	L5	20V		.217	.436		VSSI-015
	152	2494	96-87	sohc	c25a1	V-6	24V		.260	.475		VSSI-088
2.7L		2675	87-90	sohc	c27a1	V-6	24V		.260	.475		VSSI-016
3.0L	1783	2997	97-99	sohc	j30a1	V-6	24V		.217	.436		VSSI-016
196	3206	91-98	sohc	c321a1,6	V6		24V		.217	.436		VSSI-015
196	3206	99-02	sohc	j32a1,a2	V6		24V		.217	.436		VSSI-015
3.5L	212	3474	96-97	sohc	c35a1	V-6	24V		.217	.436		VSSI-015
AMC- SEE CHRYSLER												
AUDI-SEE VOLKSWAGEN												
BMW												
			00-On		late v8		5.5		.395			VSSI-OB8
			80-On		325i,525i ic.ix		6.0	.235	.347			VSSI-036
					mini cooper				.236	.436		VSSI-017
			80-On		3254e,528e		7.0	.275	.385			VSSI-037
			68-80		all w/8mm stem		8.0	.318	.425			VSSI-038
			08-On		mini cooper		5.0		.355			VSSI-026
CHRYSLER CORP - INCLUDES, DODGE, PLYMOUTH												
1.5L	086	1410	79-88	sohc	g12b,15b	L4	12V		.260	.475		VSSI-023
	089	1468	87-94	sohc	4g15	L4	8V,12V		.260	.475		VSSI-023
1.6	097	1595	89-92	dohc	4g61	L4	16V		.260	.475		VSSI-023
	097	1597	71-89	sohc	g32b/k	L4	12V		.315	.514		VSSI-090
1.7	107	1755	89-94	sohc	4g37	L4	8V		.315	.514		VSSI-090
	105		78-83	sohc		L4	8V		.315	.425		VSSI-038
1.8L	1796	94-on	sohc	export mkt.	L4		16V		.236	.436		VSSI-017
	111	1834	92-96	sohc	4g93	L4	16V		.236	.436		VSSI-089
2.0L	121	1996	94-01	sohc	ecb,vin c,f	L4	16V		.236	.436		VSSI-017
	121	1996	95-99	dohc	4a20,a588	L4	16V		.236	.436		VSSI-017
	121	1994	79-82	sohc	g52b	L4	12V		.315	.514		VSSI-090
	122	1997	89-96	dohc	4g63	L4	16V		.260	.475		VSSI-017
	122	1997	84-94	sohc	g63b,4g63	L4	12V		.315	.514		VSSI-090
2.2L	135	2213	81-94	sohc	american	L4	8V		.313	.502		VSSI-091
2.4L	152	2429	95-02	dohc	edz	L4	16V		.236	.436		VSSI-017
	143	2350	01-02	sohc	4g64	L4	16V		.236	.436		VSSI-089
	143	2350	90-93	sohc	g64b	L4	8V		.315	.514		VSSI-090
	143	2350	93-94	sohc	4g64	L4	16V		.236	.436		VSSI-089
2.5	152	2497	95-01	sohc	6g73-mits	V-6	24V		.236	.436		VSSI-090
	153	2507	86-94	sohc	american	L4	8V		.313	.502		VSSI-091



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
CHRYSLER CORP - continued												CHRYSLER
2.6L	156	2555	70-89	sohc	g54b	L4	12V		.315	.514		VSSI-090
2.7L	167	2736	98-02	dohc	24v-mfi	V-6	24V					VSSI-017
3.0L	181	2972	01-02	sohc	6g72-mits	V-6	24V		.236	.436		VSSI-089
	181	2672	88-96	sohc	6g72-mits	V-6	12V		.315	.514		VSSI-090
	181	2672	91-96	dohc	6g72-mits	V-6	24V		.260	.475		VSSI-023
3.3L	202		00-03	ohv	r,t,u	V-6	12V		.276	.493		VSSI-046
	202		90-00	ohv	r,t,u	V-6	12V		.314	.493		VSSI-091
	202		93-97		vin f, lh				.313	.531		VSSI-040
3.5L	215		93-02	sohc	trenyon	V-6	24V		.275	.454		VSSI-039
3.7L			97-03			V-6			.275			VSSI-018
	225	ld	60-87	ohv	light duty	L6	12V		.374	.502		universal
3.8L	231		99-02	ohv	vin l	V-6	12V		.276	.493		VSSI-046
	231		91-98	ohv	vin l	V-6	12V		.314	.493		VSSI-091
	232		73-79			LV	12V		.374	.502		universal
3.9L	239		92-01	ohv	vin x	V-6	12V		.313	.531		VSSI-040
4.0L			98-01	ohv		L6			.313	.531		VSSI-040
	242	jeep	86-97	ohv		L6	12V		.313	.531		VSSI-048
4.7L	287		00-03	ohv	vin-n	V-8			.273			VSSI-018
5.2	318		70-97			V-8			.374	.502		universal
	318		92-01	ohv	vin y	V-8			.313	.531		VSSI-040
5.7L	345		03-On	ohv	gas-hemi	V-8	16V					VSSI-049
5.9L	359		98-02	ohv	diesel	L6	24V		.276			VSSI-070
	359		98-02	ohv	diesel	L6	24V		.276			VSSI-070
	359		03-On		diesel	L6	24V		.276			VSSI-070
	359		88-97	ohv	diesel	L6	12V		.316	.552		VSSI-048
	360		92-01		gas	V-8			.313	.531		VSSI-040
	360		71-94		gas	V-8			.374	.502		universal
	361		58-66			V-8			.374	.502		universal
	361		60-77			V-8			.438	.689		universal
6.3L	383		59-71			V-8			.374	.502		universal
	400		72-79			V-8			.374	.502		universal
6.8L	413		59-65			V-8			.374	.502		universal
7.0L	426		63-71			V-8			.374	.502		universal
7.2L	440		68-78			V-8			.374	.502		universal
8.0L	488	7990	92-02	ohv		V-10			.313	.531		VSSI-040

CUMMINS DIESEL												CUMMINS -DIESEL
	239		all		3900-b & bt	L4	8V		.313	.500		VSSI-048
5.9L	359		00-02	ohv	tbo/rfa	L6	24V		.254	.490	int	VSSI-070
	359		00-02	ohv	tbo/rfa	L6	24V		.248	.490	exh	VSSI-070
	359		03-On				actual		.249	.490	exh	VSSI-070
	359		all		590 b & bt	L6	12V		.313	.500		VSSI-048

DAEWOO												DAEWOO
1.6L	097	1597	00-02	dohc	a16	L4	16V		.237			VSSI-072
2.0L	121	1998	00-02	dohc	x20se	L4	16V		.237	.347		VSSI-036
2.2L	134	2198	99-02	dohc	x22se	L4	16V		.237	.347		VSSI-036
			02-On	dohc	x22se							VSSI-030



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val	stem	g/od	I/E	v/seal#
FORD MOTOR COMPANY - continued											FORD
1.6L	098		81-85	ohv		L4			.317	.535	VSSI-073
	098	1597	91-95	dohc	b6-mazda	L4		.237	.435		VSSI-051
	098	1597	87-94	sohc	b6-mazda	L4	8V	.2765	.474		VSSI-026
	112	1839	90-96	dohc	bp-mazda	L4	16V	.237	.436		VSSI-051
1.9L	116	cfi	91-96	sohc	vin j-spi	L4	8V	.317	.534		VSSI-033
	116	efi	85-90	sohc		L4	8V	.317	.535		VSSI-073
2.0L	121	1991	93-97	dohc	fs-mazda	L4	16V	.237	.436		VSSI-051
	121	1970	79-82	sohc	ma-mazda	L4	8V	.318	.553		VSSI-074
	122		95-On	sohc	vin j-spj	L4	8V		.317	.534	VSSI-033
		1989	93-On	dohc	zetec	L4	16V	export	.236	.474	VSSI-034
	122	1998	98-02	dohc	vin3 zetec	L4	16V		.236	.474	VSSI-034
	122	1998	94-97	dohc	vin3 zetec	L4	16V		.236	.474	VSSI-034
2.2L	133		89-92	sohc	f2-mazda	L4	12V		.276	.476	VSSI-076
2.3L	140		01-03	dohc	4vpc-vct	L4	16V				
	140		93-00	sohc	dual plug	L4			.276	.495	VSSI-047
	140	hsc	84-91	hsc		L4		.344	.502		universal
	152	2497	93-97	dohc	kl	V-6	12V	.237	.436		VSSI-051
2.5L	153		01-03	sohc		V-6	12V		.276	.495	VSSI-032
	153		98-00	sohc		V-6	12V		.276	.495	VSSI-032
	153		94-98	sohc	gas/diesel	L4	12V		.276	.495	VSSI-047
	153		95-00	dohc	dohc-durat	V-6	24V		.236	.495	VSSI-062
	171		83-86			V-6	12V		.317	.502	VSSI-073
2.9L	177		86-92	ohv		V-6	12V		.317	.502	VSSI-060
3.0L			98-On	sohc	efi	V-6	12V		.276	.500	VSSI-031
			95-03	dohc	vin "s" mod	V-6	24V		.236	.495	VSSI-062
	182		86-01	sohc	efi	V-6	12V		.315	.530	VSSI-018
	183	2970	93-97	sohc	vg30-nissan	V-6	12V	.276	.434	int	VSSI-044
	183	2970	93-97	sohc	vg30-nissan	V-6	12V	.316	.474	exh	VSSI-063
3.3L	199	3272	99-02	ohv	vg33e-niss	V-6	12V	.276	.434	int	VSSI-044
	199	3272	99-02	ohv	vg33e-niss	V-6	12V	.316	.474	exh	VSSI-063
3.4L	207		96-99	dohc	sho sfi	V-8	16V		.236	.433	VSSI-051
3.8L	232		01-03	ohv		V-6	12V		.276		VSSI-032
	232		98-00	ohv		V-6	12V		.276		VSSI-032
	232		96-98	ohv		V-6	12V		.276	.495	VSSI-047
	232		89-95	ohv		V-6	12V		.344	.500	VSSI-001
	232		89-95	ohv	sfi	V-6	12V	.344	.502		VSSI-001
	232		82-88	ohv		V-6	12V	.344	.502		VSSI-058
	240	hd	65-72			V-6	12V	.344	.502		universal
3.9L	240		00-03	dohc	sfi-4vpc	V-8	32V	.197			VSSI-077
4.0L	244	4015	90-97	ohv	x,zxl	V-6	12V	8.0	.315	.472	VSSI-060
	244	4015	98-01	ohv	vin x-8x,zzl	V-6	12V		.315	.472	VSSI-060
	244	4015	97-01	sohc	vin e-vge4	V-6	12V	7.0	.276	.472	VSSI-078
4.1L	250		65-83						.312	.439	universal
	255		80-82						.344	.502	universal
	260		62-65						.344	.502	universal
4.2L	255		01-On	ohv	vin 2	V-6	12V		.276	.495	VSSI-032
	255		99-00	ohv	vin 2	V-6	12V		.276	.495	VSSI-032
	255		95-98	ohv	vin 2	V-6	12V		.276	.495	VSSI-041
4.6L	280	32v	93-01	dohc-32v	V8		32V		.276	.495	VSSI-013
	281	16v	ALL	sohc	modular	V-8	16V		.276	.495	VSSI-012
4.7L	289		63-68			V-8			.344	.502	universal



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
FORD MOTOR COMPANY- continued												
FORD												
4.9L	300	ld	65-96			L6	12V		.344	.502		universal
5.0L	302	ho	70-99	high output		V-8			.344	.502		universal
5.4L	330	hd	97-02	sohc	triton	V-8	16V		.276	.495		VSSI-012
	330	hd	00-On	sohc		V-8	24V		.236			VSSI-014
	330	hd	64-78			V-8			.374	.502		universal
5.7L	351c,m,w		70-98		exc. boss	V-8			.344	.502		universal
	352		61-67			V-8			.374	.502		universal
	359		74-78			V-8			.374	.502		universal
	360		68-76			V-8			.374	.502		universal
	361		64-78			V-8			.374	.502		universal
6.0L			00-03									VSSI-043
6.1L	370		79-92			V-8			.374	.502		universal
	370		79-92		4bbl	V-8			.374	.502		universal
	390		61-76			V-8			.374	.502		universal
	391		64-78			V-8			.374	.502		universal
6.5L	400		78-82			V-8			.344	.502		universal
6.6L	401		58-76			V-8			.437	.627		universal
	410		66-67						.374	.502		universal
6.8L	415		97-03	sohc	triton	V-10			.276	.495		VSSI-012
6.9L	421		83-87	diesel					.374	.627		universal
	421		83-87	diesel					.374	.625		VSSI-054
	428		66-70		exc. cj				.374	.502		universal
7.0L	429		68-97	ohv		V-8			.373	.502		universal
	429		90-97	ohv					.344	.562		VSSI-079
	429		88-92	ohv					.343	.625		universal
7.3L	445		95-On	ohv	diesel direct inject	V-8			.315	.565		VSSI-080
	445		88-94	ohv	diesel				.374	.625		universal
7.5L	460		88-97	ohv		V-8			.344	.502		universal
	460		93-On	ohv		V-8			.344	.562		VSSI-079
	460		88-92	ohv		V-8			.343	.625		universal
	460		all	ohv	truck	V-8			.373	.562		VSSI-007
	460		73-87	ohv		V-8			.344	.502		universal
7.8L	476	dc	86-93			L6	12V		.373	.625		VSSI-403
GMC - INCLUDES TRUCK / HOLDEN / OPEL / SATURN												
GMC												
1.0L	061	993	89-97	sohc	g10-suz	L3	6V		.217	.436		VSSI-033
	061	993	85-88	sohc	g10-suz	L3	6V		.275	.476		VSSI-033L
1.3L	079	1300	95-97	sohc	g13ba-suz	L4	8V		.275	.476		VSSI-033L
	079	1300	98-00	sohc	g13bb-suz	L4	16V		.217	.436		VSSI-033
	085	1400	76-77			L4			.315	.502		VSSI-048
	097		76-87			L4			.315	.502		VSSI-048
	098	1587	89-92	dohc	4afe-toy	L4	16V		.237	.436		VSSI-019
	098	1587	88-92	dohc	4age -toy	L4	16V		.237	.435		VSSI-019
	098	1587	85-88	sohc	4alc -toy	L4	8V		.275	.455		VSSI-076
	098	1587	89-95	sohc	g16kc	L4	8V		.275	.476		VSSI-033L
	098	1590	94-98	sohc	g16kv	L4	16V		.217	.436		VSSI-033
	098	1590	99-00	sohc	g16b	L4	16V		.217	.436		VSSI-033
		1598	93-On	dohc	c16 xe	L4	16V		.235	.347		VSSI-036
1.8L	108	1762	93-97	dohc	7afe -toy	L4	16V		.237	.436		VSSI-019
	108	1794	98-02	dohc	1zzfe	L4	16V		.216	.410		VSSI-052
	110	1817	80-82	sohc	g180z	L4	8V		.315	.474		VSSI-063



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val	stem	g/od	I/E	v/seal#
GMC- continued											
GMC											
1.9L	116	sat	98-03	sohc		L4		.236	.449		VSSI-081
	116	sat	91-98	dohc	saturn	L4	16V	.275	.449		VSSI-082
	116	sat	91-00	sohc	saturn	L4	8V	.275	.449		VSSI-082
	119	1949	82-85	sohc	g200z	L4	8V	.314	.474		VSSI-063
2.0L	121	iron	83-89	ohv	vin b & p	L4	8V	.315	.502		VSSI-048
	121	1995	97-On	dohc	x20 diesel	L4	16V	.235	.347		VSSI-036
	121	1995	93-On	dohc	x20	L4	16V	.235	.347		VSSI-036
	121	ho	87-94	ohc	vin 1	L4	8V	.315	.502		VSSI-083
2.2L	134	ch	02-03		z22se	L4	Ecotec	.236			VSSI-030
	134	sat	00-03	dohc	saturn	L4	16V	.236			VSSI-081
	134	sat	97-02	dohc	L4-L61	L4	16V	.235	.347		VSSI-036
	134	ch	98-01	ohv		L4	8V	.275	.500		VSSI-029
	134	ch	94-97	ohv		L4	8V	.275	.500		VSSI-059
		2200	90-97	ohv	Lm3,Ln2	L4	8V	.275	.500		VSSI-059
	134	ch	90-93	ohv		L4	8V	.314	.500		VSSI-048
2.3L	138	ol	88-95	dohc	quad 4	L4	16V	.276	.514		VSSI-084
	140	ch	71-74	sohc		L4	8V	.344	.502		universal
2.4L	146	ol	96-02	dohc	quad 4	L4	16V	.235	.435		VSSI-085
2.5L	151		87-93	vin r & u	L4	8V		.315	.502		VSSI-083
	151	78-86				L4	8V	.344	.502		universal
2.8L	173	iron	80-93	vin x seats	V6	12V		.344	.502		universal
	173	alum	80-93	alum		V-6	12V	.315	.500		VSSI-061
3.0L	181	cadil	97-02	dohc	vin r	V-6	32V	.235	.347		VSSI-036
	181	bu	82-88			V-6		.344	.502		universal
3.1L	191		00-03	ohv	vin j-Lg8	V-6	12V	.315	.552		VSSI-028
	191		94-99	ohv	vin m	V-6	12V	.315	.514		VSSI-028
	191	cast	90-95	ohv	vin d	V-6	12V	.344	.562		universal
	191	alum	88-93	ohv	vin v, w	V-6	12V	.315	.500		VSSI-061
3.2L	194	ch	62-67			V-6	12V	.344	.502		universal
	196	bu	1979			V-6	12V	.344	.502		universal
	200	ch	78-79			V-6	12V	.344	.502		universal
3.3L	204	bu	89-93		vin n	V-6	12V	.344	.502		universal
3.4L	207	gm	02-03	ohv	vin La1	V-6	12V	.315	.552		VSSI-028
	207	ch	96-01	ohv		V-6	12V	.315	.514		VSSI-028
	207	ch	91-97	dohc	vinx	V-6	24V	.275	.512		VSSI-084
	207	ch	93-95	sohc	vin s	V-6	12V	.275	.512		VSSI-084
3.5L			00-02	dohc	Lx5	V-6	24V				VSSI-085
	215	po	64-65			L6	12V	.344	.502		universal
	225	bu	64-67			V-6	12V	.344	.502		universal
3.8L	229	ch	80-84			V-6	12V	.344	.502		universal
	230	ch	63-70			L6	12V	.344	.502		universal
	231	qm	98-02	ohv	L36	V-6	12V	.315	.500		VSSI-083
3.9L	239	cu	88-92		cum 4b	L4	8B				VSSI-048
4.0L	244	ol	99-00	dohc	L47	V-8	32V				VSSI-086
	244	ol	95-98	dohc	northstar	V-8	32V	.233	.433		VSSI-087
4.1L	250	ch	66-89		chevrolet	L6	12V	.344	.502		universal
	252	bu	80-84		buick	V-6	12V	.343	.502		universal
	252	ca	82-88		cadillac	V-8	16V	.344	.492		VSSI-045
4.2L	255	gm	00-03	dohc	gmc-LL8	L6	24V				VSSI-085
	262		96-01	ohv	chev-vin w	V-6	12V	.343	.552		VSSI-008



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
GMC- continued												
												GMC
	262		82-95		chevrolet	V-6	12V		.343	.530		VSSI-073
	262		82-95		chevrolet	V-6	12V		.343	.530		universal
	262		82-97		chevrolet	V-6	12V		.373			universal
	262	ch	75-76			V-8		.344	.502			universal
	265	po	55-81		pontiac	V-8			.344	.502		universal
4.4L	267	ch	79-82		chevrolet	V-8			.344	.502		universal
4.5L	273	ca	88-92		cadillac	V-8			.344	.502		VSSI-045
4.6L	279	ca	02-04		northstar	V-8			late			VSSI-086
	279	ca	93-01		northstar	V-8	32V		.233	.433		VSSI-087
	292	trk	63-90			L6			.344	.502		universal
4.8L	293	trk	02-04	ohv	Lr4	V-8	16V		.315	.500		VSSI-055
	293	trk	99-01	ohv	gas vin v	V-8	16V		.313	.500		VSSI-041
4.9L	298	ca	91-95		cadillac	V-8			.344	.492		VSSI-045
	301	po	77-81		pontiac	V-8			.344	.502		universal
5.0L	302	ch	67-69		chevrolet	V-8			.344	.502		universal
	305	ch	76-01		chevrolet	V-8			.344	.502		universal
	307	ch/ol	63-91		chev/olds	V-8			.344	.502		universal
	327	ch	62-69	hi per	chevrolet	V-8			.344	.502		universal
5.3L	325	gm	02-04	ohv	Lm7	V-8			.315	.500		VSSI-055
	325	gm	99-01	ohv	vin t	V-8			.315	.500		VSSI-041
5.7L	350		98-02	ohv	Ls1	V-8			.315	.500		VSSI-041
	350		92-01		vortec vin p, r	V-8			.342	.552		VSSI-008
	350	cast	68-97	std	cast iron hd	V-8			.344	.562		VSSI-003
	350		67-97	ohv		V-8			.343	.502		universal
	351	trk	60-72			V-8			.375	.502		universal
6.0L	364	ch	02-04	ohv	Lq4	V-8			.313	.500		VSSI-055
	364	ch	98-01		vin u	V-8			.313	.500		VSSI-041
	366	trk	84-94		vin l	V-8			.342	.530		VSSI-073
	366		66-On	2nd design	V8				.374	.620		universal
6.2L	381		82-93	diesel					.342	.500		VSSI-075
	381		82-93	diesel					.342	.500		universal
	379		73-75						.375	.502		universal
	396	trk	65-70	truck		V-8			.374	.625		universal
	400	sb	65-70	small block	V8				.344	.502		universal
	402	std	65-73	standard		V-8			.374	.625		universal
6.6L	gmc		99-03	ohv	direct inject	V-8	32V		.276			VSSI-ODM
	396	ch	70-72	big block	V8				.374	.625		universal
7.0L	427	trk	73-on			V-8			.374	.625		universal
	427	bb	66-69			V-8			.374	.620		universal
	427	hp	66-97		high perform	V-8			.374	.625		universal
	428	po	67-69			V-8			.344	.502		universal
7.4L	430	bu	67-69			V-8			.375	.502		universal
	454		70-97			V-8			.374	.625		universal
	454	alum	70-97	alum heads		V-8			.374	.625		universal
	455	bu	75-76	exc. stage 1		V-8			.375	.502		universal
	455		70-74	stage 1		V-8			.375	.502		universal
	455	ol	68-76			V-8			.345	.502		universal
	455	po	70-76			V-8			.344	.502		universal
8.1L		gm	00-03	ohv	L18	V-8			.373	.530		universal



VITON VALVE STEM SEALS continued

litre	cu.in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
HONDA												
1.0L	1.0L	990	00-03	sohc	eca1-3vpc	L3	8V		.217	.436		VSSI-015
1.3L	081	1335	80-83	sohc	ej1	L4			.260	.475		VSSI-088
1.4L	089	1342	84-87	sohc	ev1,d13a2	L4	12V,16V		.260	.475		VSSI-088
1.5L	090	1488	85-87	sohc	ew1	L4	12V		.260	.475		VSSI-088
	090	1488	85-87	sohc	ew3,4,d15a3	L4	12V		.260	.475		VSSI-088
	090	1488	76-83	sohc	em1	L4	12V		.260	.475		VSSI-088
	091	1493	94-97	sohc	d15b7,8	L4	16V		.217	.436		VSSI-015
	091	1493	92-95	sohc	d15z1	L4	16V		.217	.436		VSSI-015
	091	1493	88-91	dohc	d15b1,2	L4	16V		.217	.436		VSSI-015
	091	1493	89-91	sohc	d15b6	L4	8V		.217	.436		VSSI-015
1.6L	097	1590	94-00	dohc	b16a2,3	L4	16V		.217	.436		VSSI-015
	097	1590	96-00	sohc	d16v5,7,8	L4	16V		.217	.436		VSSI-015
	097	1590	92-95	sohc	d16z6	L4	16V		.217	.436		VSSI-015
	097	1590	88-91	sohc	d16a6	L4	16V		.217	.436		VSSI-015
	098	1599	76-78	sohc	ef	L4	12V		.261	.475		VSSI-088
1.7L			01-03	sohc	vtec	L4	16V		.217	.436		VSSI-015
1.8L	107	1751	79-83	sohc	ek	L4	12V		.261	.477	int	VSSI-088
	107	1751	79-83	sohc	ek	L4	12V		.276	.477	exh	VSSI-088
	112	1829	83-87	sohc	es,et,a18	L4	12V		.276	.475		VSSI-088
2.0L	119	1955	86-89	sohc	bs.t/ a20	L4	12V		.276	.475		VSSI-088
	119	1958	88-91	dohc	b20a5	L4	16V		.260	.476		VSSI-016
	119	1958	88-90	sohc	b20a3	L4	12V		.260	.476		VSSI-088
	121	1997	97-98	dohc	b20b4	L4	16V		.260	.476		VSSI-016
	121	1997	99-02	dohc	b20z2	L4	16V		.260	.476		VSSI-016
		1997	01-03	dohc	F20c1	L4	16V		.217	.436		VSSI-015
	125	2056	90-91	dohc	b21a1	L4	16V		.260	.476		VSSI-016
2.2L	132	2156	90-96	sohc	f22a1,4,6	L4	16V		.217	.436		VSSI-015
	132	2156	94-97	sohc	f22b1,b2,b6	L4	16V		.217	.436		VSSI-015
	132	2157	93-00	dohc	h22a1,a4	L4	16V		.217	.436		VSSI-015
	138	2254	98-03	sohc	f23a1,a4,a5	L4	16V		.217	.436		VSSI-015
2.3L	138	2259	92-96	dohc	h23a1	L4	16V		.260	.476		VSSI-016
2.7L	163	2675	95-97	sohc	c27a4	V-6	24V		.260	.476		VSSI-016
3.0L	183	2997	98-02	sohc	j30a1	V-6	24V		.217	.436		VSSI-015
3.2L	193	3165	94-02	dohc	6vd1	V-6	24V		.234	.435		VSSI-015
3.5L	213	3500	99-02	sohc	j35a1-vtec	V-6	24V		.217	.436		VSSI-015
HYUNDAI												
1.5L	089	1468	94-97	sohc	g4ae,4g15	L4			.236	.436		VSSI-089
	089	1468	86-94	sohc	g4dj	L4	8V		.260	.475		VSSI-023
	091	1495	93-02	sohc	g4ek,x,y	L4	12V		.236	.436		VSSI-089
1.6L	097	1595	92-95	dohc	g4dr	L4	16V		.260	.475		VSSI-023
1.8L	110	1796	93-96	dohc	g4gm	L4	16V		.236	.436		VSSI-089
1.9L	112	1836	93-95	dohc	g4cn	L4	16V		.260	.475		VSSI-023
2.0L	120	1975	97-00	dohc	g4gf	L4	16V		.236	.436		VSSI-089
	122	1997	92-98	dohc	g4cp/4g61	L4	16V		.260	.475		VSSI-023
2.4L	143	2350	89-91	sohc	g4cs,g64b	L4	12V		.315	.514		VSSI-090
	143	2350	99-02	dohc	g4js	L4	16V		.260	.475		VSSI-023
2.5L	1522	493	99-02	dohc	g6bv	V-6	24V		.236	.436		VSSI-089
2.7L	162	2657	00-02	dohc	g6ba	V-6	24V		.236	.436		VSSI-089
3.0L	181	2972	89-98	sohc	6gat,6g72	V-6	12V		.315	.514		VSSI-090



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
INFINITY - NISSAN												
2.0L	122	1998	91-02	dohc	sr20de	L4	16V		.236	.395		VSSI-025
3.0L	181	2960	93-97	dohc	vg30de	V-6	24V		.236	.395		VSSI-025
	181	2960	90-92	sohc	vg30e	V-6	12V		.276	.434	int	VSSI-044
	181	2960	90-92	sohc	vg30e	V-6	12V		.316	.474	exh	VSSI-063
	182	2988	96-02	dohc	vq30de	V-6	24V		.236	.395		VSSI-025
3.3L	199	3272	97-00	sohc	vg33e	V-6	12V		.276	.434	int	VSSI-044
	199	3272	97-00	sohc	vg33e	V-6	12V		.316	.474	exh	VSSI-064
3.5L	213	3498	00-02	dohc	vq35de	V-6	24V					VSSI-025
ISUZU												
	111	1817	81-85	sohc	g180z	L4	8V		.314	.474		VSSI-063
1.9L	119	1949	83-87	sohc	g200z	L4	8V		.314	.474		VSSI-063
2.0L	121	1994	85-89	sohc	4zc1	L4	8V		.315	.474		VSSI-091
2.2L	132	2156	96-97	sohc	rj1 honda	L4	16V		.217	.436		VSSI-015
	134	2190	96-00	sohc	ln2 chevy	L4			.276	.500		VSSI-059
	134	2198	98-02	dohc	x22se	L4	16V		.236	.347		VSSI-036
2.3L	138	2254	86-95	sohc	4zd1	L4	8V		.314	.474		VSSI-063
	138	2300	98-02	sohc	rj2 honda	L4	16V		.217	.436		VSSI-015
2.6L	156	2559	88-97	sohc	4ze1	L4	8V		.314	.474		VSSI-063
2.8L	173	2827	88-92	ohv	r, chev 173	V-6	12V		.344	.502		universal
3.1L	191	3137	92-94	ohv	cpc chevy	V-6	12V		.315	.500		VSSI-061
KIA												
1.6L	097	1597	95-99	dohc	b6ze	L4	16V	5.5	.217	.376		VSSI-024
	097	1597	94-95	sohc	b6	L4	16V		.237	.436		VSSI-051
1.8L	109	1793	98-03	dohc	fb	L4	16V	6.0	.237	.436		VSSI-051
1.9L	112	1839	95-97	dohc	bpd	L4	16V		.237	.436		VSSI-051
2.0L	122	1998	95-02	dohc	fe-dohc	L4	16V		.237	.436		VSSI-051
2.4L	143	2351	99-02	dohc	g4js sirius	L4	16V		.260	.475		VSSI-016
2.5L	152	2493	01-03	dohc	g6bv delta	V-6	24V	6	.234	.435		VSSI-051
		2497	98-on	dohc	krv6 eng	L4						VSSI-092
LANDROVER												
			87-00		3.5, 3.9, 4.0, 4.2, 4.6L				.344	.492		VSSI-045
1.7L		1796	97-on		krv6 eng.							VSSI-092
LEXUS												
2.5L	153	2507	90-92	dohc	2vzfe	V-6	24V		.237	.435		VSSI-019
3.0L	181	2958	92-93	dohc	3vzfe	V-6	24V		.237	.435		VSSI-019
	183	2995	94-03	dohc	1mzfe	V-6	24V		.216	.410		VSSI-052
	183	2997	92-02	dohc	2jzge	V-6	24V		.237	.435		VSSI-019



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val	stem	g/od	I/E	v/seal#
MAZDA											MAZDA
1.5L	090	1489	95-98	dohc	z5	L4	16V	.217	.436		VSSI-015
	091	1490	81-85	sohc	d5.e5	L4	8V	.316	.554		VSSI-433
	097	1597	88-95	dohc	b6,b6e,b6ze	L4	16V	.237	.435		VSSI-051
	112	1839	90-02	dohc	bp05	L4	16V	.237	.436		VSSI-051
	112	1839	90-95	sohc	bp01	L4	16V	.237	.436		VSSI-051
	112	1839	99-00	dohc	fp	L4	16V	.237	.436		VSSI-051
	113	1844	92-95	dohc	k8	V-6	24V	.237	.435		VSSI-051
2.0L	120	1970	82-84	sohc	ma	L4	8V	.315	.514		VSSI-074
	120	1970	79-81	sohc	ma	L4	8V	.315	.514		VSSI-020
	122	1991	93-02	dohc	fsd	L4	16V	.237	.436		VSSI-051
	122	1998	83-88	sohc	fe	L4	8V	.318	.553		VSSI-074
	122	1998		sohc	rf-diesel	L4		.318	.553		VSSI-074
2.2L	133	2184	87-93	sohc	f2	L4	8V	.318	.553		VSSI-074
	133	2184	88-92	sohc	f2	L4	12V	.276	.476		VSSI-076
2.3L	138	2254	95-02	dohc	kj	V-6	24V	.237	.435		VSSI-051
2.5L	153	2507	93-01	dohc	kl	V-6	24V	.237	.436		VSSI-051
	153		01-03	sohc	99c	L4	12V	.276	.495		VSSI-032
	153		98-00	sohc	99c	L4	12V	.276	.495		VSSI-032
2.6L	156	2555	87-88	sohc	am1-g54b	4	12V	.315	.514		VSSI-090
	159	2606	89-94	sohc	g6	4	12V	.276	.476		VSSI-076
3.0L	180	2954	88-98	sohc	je	V-6	18V	.276	.476	int	VSSI-076
	180	2954	88-98	sohc	je	V-6	18V	.315	.553	exh	VSSI-074
	180	2954	90-96	dohc	je27, je48	V-6	24V	.237	.435		VSSI-051
	181	2994	94-97	ohv	ford engine	V-6	12V	.315	.530		VSSI-018
	181	2994	98-On	ohv	ford engine	V-6	12V	.276	.500		VSSI-018
4.0L	244	4014	90-02	ohv	x,zzl, vge4	V-6	12V	.317	.502		VSSI-060
MERCEDES BENZ											MERCEDES BENZ
	s320				.248 id x .375 od x .342 ht x .532 w			7mm			VSSI-me300
					.273 id x .455 od x .417 ht x .610 w			8mm			vs-362
MITSUBISHI											MITSUBISHI
1.5L	089	1468	91-02	sohc	4g15,g4dj	L4	12V	.260	.475		VSSI-023
	089	1468	85-89	sohc	g15b,g4aj	L4	12V	.260	.475		VSSI-023
1.6L	097	1595	89-92	dohc	4g61	L4	16V	.260	.475		VSSI-023
	097	1597	85-88	sohc	g32b	L4	12V	.315	.514		VSSI-090
1.8L	107	1755	89-94	sohc	4g37	L4	8V	.315	.514		VSSI-090
	110	1795	84-88	sohc	g62b	L4	12V	.315	.514		VSSI-090
	112	1839	92-02	sohc	4g93,k	L4	16V	.235	.436		VSSI-089
2.0L	121	1996	95-99	dohc	420a	L4	16V	.236	.436		VSSI-017
	122	1997	89-99	dohc	4g63	L4	16V	.260	.475		VSSI-023
	122	1997	84-93	sohc	g63b,4g63	L4	12V	.315	.514		VSSI-090
	122	1997	1993	sohc	4g63k	L4	16V	.235	.436		VSSI-089
2.4L		2346	83-86	sohc	4d55-diesel	L4	8V	.315	.514		VSSI-090
	143	2351	87-96	sohc	g64b,4g64	L4	8V	.315	.514		VSSI-090
	143	2351	93-02	sohc	4g64	L4	16V	.236	.436		VSSI-089
	143	2351	1994	dohc	4g64k	L4	16V	.260	.475		VSSI-023
2.6L	156	2555	83-89	sohc	g54b	L4	12V	.315	.514		VSSI-090
3.0L	181	2972	89-99	sohc	6g72	V-6	12V	.315	.514		VSSI-090
	181	2972	95-02	sohc	6g72	V-6	24V	.235	.436		VSSI-090
	181	2972	92-97	dohc	6g72	V-6	24V	.260	.475		VSSI-023



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	v/seal#
MITSUBISHI - continued												MITSUBISHI
3.5L	213	3497	94-96	dohc	6g74dn	V6	24V		.260	.475		VSSI-023
	213	3497	97-03	sohc	6g74-gs35	V6	24V		.236	.436		VSSI-089
NISSAN												NISSAN
1.2L	076	1237	80-82	ohv	a12	L4	8V		.315	.474		VSSI-063
1.4L	085	1397	75-80	ohv	a14	L4	8V		.315	.474		VSSI-063
	091	1488	79-82	ohv	a15	L4	8V		.315	.474		VSSI-063
1.6L	097	1595	68-73	sohc	L16	L4	8V		.315	.474		VSSI-063
	098	1597	91-99	dohc	ga16de	L4	16V		.217	.376		VSSI-024
	098	1597	89-90	sohc	qa16i	L4	12V		.236	.395	int	VSSI-025
	098	1597	83-88	sohc	e16,s,i	L4	8V		.276	.474		VSSI-088
	098	1597	1987	dohc	ca16de	L4	16V		.236	.395		VSSI-025
1.7L		1680	82-86		cd17-diesel	L4	8V		.276	.435		VSSI-044
1.8L	107	1769	00-03	dohc	qq18de	L4	16V		.217	.376		VSSI-024
		1770	73-74	sohc	L18	L4	8V		.315	.474		VSSI-063
	110	1809	88-89	dohc	ca18de	L4	16V		.236	.395		VSSI-025
	110	1809	84-86	sohc	ca18et	L4	8V		.276	.435		VSSI-044
2.0L	119	1952	73-79	sohc	L20b	L4	8V		.315	.474		VSSI-063
	119	1952	83-86	sohc	z20	L4	8V		.315	.474		VSSI-063
	119	1952	80-81	sohc	z20s,e	L4	8V		.315	.474		VSSI-063
	120	1974	84-89	sohc	ca20e	L4	8V		.276	.435		VSSI-044
	120	1974	82-83	sohc	ca20s	L4	8V		.276	.435		VSSI-044
	122	1998	91-02	dohc	sr20de	L4	16V		.236	.395		VSSI-025
2.2L	133	2187	81-83	sohc	z22,e	L4	8V		.315	.474		VSSI-063
2.4L	146	2389	91-02	dohc	ka24de	L4	16V		.276	.435		VSSI-044
	146	2389	90-97	sohc	ka24e	L4	12V		.276	.435	int	VSSI-044
	146	2389	90-97	sohc	ka24e	L4	12V		.315	.474	exh	VSSI-063
	146	2389	83-89	sohc	z24, i	L4	8V		.315	.474		VSSI-063
	146	2393	70-84	sohc	L24,e	L6	12V		.315	.474		VSSI-063
2.6L	157	2565	1974	sohc	L26	L6	12V		.315	.474		VSSI-063
2.8L	168	2753	81-83	sohc	L28e,t	L6	12V		.315	.474		VSSI-063
	168	2753	75-80	sohc	L28e	L6	12V		.315	.474		VSSI-063
3.0L	181	2960	84-95	sohc	vg30,e,i,et	V-6	12V		.276	.434	int	VSSI-044
	181	2960	84-95	sohc	vg30,e,i,et	V-6	12V		.316	.474	exh	VSSI-063
	181	2960	96-98	sohc	vg30e	V-6	12V		.276	.434	int	VSSI-044
	181	2960	96-98	sohc	vg30e	V-6	12V		.316	.474	exh	VSSI-063
	181	2960	90-96	dohc	vg30de,tt	V-6	24V		.236	.395		VSSI-025
	181	2960	92-94	dohc	ve30de	V-6	24V		.230	.395		VSSI-025
	182	2988	95-01	dohc	vq30de	V-6	24V		.236	.395		VSSI-025
3.3L	199	3272	96-02	sohc	vg33e	V-6	12V		.276	.434	int	VSSI-044
	199	3272	96-02	sohc	vg33e	V-6	12V		.316	.474	exh	VSSI-063
3.5L	213	3498	00-03	dohc	vq35de	V-6	24V		.236	.395		VSSI-025



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val	stem	g/od	I/E	v/seal#
SAAB											SAAB
All	6mm							.236	.347		VSSI-036
All	7mm							.276	.385		VSSI-037
All	8mm							.315	.425		VSSI-038
SATURN											SATURN
	1.9L		SOHC/DOHC (7mm)					1.9L&2.2L (6mm)			VSSI-081
SUBARU											SUBARU
2.2L	135	2212	90-98	sohc	ej22e,t25	H4	16V	.235	.436		VSSI-019
2.5L	150	2457	96-02	dohc	ej25	L4	16V	.235	.436		VSSI-019
3.3L	202	3318	92-97	dohc	eg33d	H6	24V	.235	.436		VSSI-019
SUZUKI											SUZUKI
1.0L	061	993	89-96	sohc	g10	L3	6V	.217	.436		VSSI-033
	061	993	85-88	sohc	g10	L3	6V	.275	.476		VSSI-033L
1.3L	079	1298	89-97	sohc	g13ba	L4	8V	.275	.476		VSSI-033L
	079	1298	89-94	dohc	g13k,g13b	L4	16V	.217	.436		VSSI-033
	081	1324	86-89	sohc	g13a	L4	8V	.275	.476		VSSI-033L
1.6L	097	1590	95-03	sohc	g16b	L4	16V	.217	.436		VSSI-033
	097	1590	91-98	dohc	g16kv	L4	16V	.217	.436		VSSI-033
	097	1590	89-96	sohc	g16kc,g16a	L4	8V	.275	.476		VSSI-033L
1.8L	112	1840	96-02	dohc	g18k	L4	16V	.235	.436		VSSI-089
2.0L	122	1995	99-03	dohc	j20a	L4	16V	.235	.436		VSSI-089
2.5L	152	2494	99-03	dohc	h25a	V-6	24V	.235	.436		VSSI-089
2.7L	167	2737	01-03	dohc	h27a	V-6	24V	.235	.436		VSSI-089
TOYOTA											TOYOTA
	089	1456	87-94	sohc	3e,3ee	L4	12V	.237	.436		VSSI-019
	091	1497	92-98	dohc	5efe	L4	16V	.237	.436		VSSI-019
	091	1497	00-03	dohc	1nzfe	L4	16V	5.0m			
	091	1497	01-03	dohc	lnzfxe	L4	16V	5.0m			
1.6L	097	1497	85-88	sohc	4ac,4alc	L4	8V	.275	.455		VSSI-093
	097	1587	88-97	dohc	4af,4afe	L4	16V	.237	.436		VSSI-019
	097	1587	85-92	dohc	4age,c,lc,ze	L4	16V	.237	.436		VSSI-019
1.8L	108	1762	93-97	dohc	7afe	L4	16V	.237	.436		VSSI-019
	108	1770	80-82	ohv	3tc	L4	8V	.316	.514		VSSI-020
	109	1794	98-03	dohc	1zzfe	L4	16V	.216	.410		VSSI-052
	109	1794	00-03	dohc	1zzfe	L4	16V	.216	.410		VSSI-052
	109	1796	00-03	dohc	2zzge	L4	16V	.216	.410		VSSI-052
2.0L	122	1998	95-00	dohc	3sfe	L4	16V	.237	.435		VSSI-019
	122	1998	01-03	dohc	1azfe	L4	16V	NA	.237	.435	VSSI-019
	122	1998	86-95	dohc	3sgte,3sgel	L4	16V	.237	.435		VSSI-019
	122	1998	87-91	dohc	3sfe	L4	16V	.237	.435		VSSI-019
	122	1998	83-86	sohc	2selc	L4	8V	.315	.514		VSSI-020
	122	1998	84-85	ohv	3yec	L4	8V	.316	.514		VSSI-020
2.2L	132	2164	90-01	dohc	5sfe	L4	16V	usa	.237	.435	VSSI-019
	134	2189	75-80	sohc	20r	L4	8V	.316	.514		VSSI-020
	137	2237	86-89	ohv	4yec, 47	L4	8V	.316	.514		VSSI-020
2.4L	144	2362	01-03	dohc	2azfe	L4	16V	.235	.436		VSSI-019
	144	2366	81-95	sohc	22r,rec	L4	8V	.316	.514		VSSI-020
	144	2366	85-89	sohc	22rtec-turbo	L4	8V	.316	.514		VSSI-020



VITON VALVE STEM SEALS continued

litre	cu. in	cc	year	type	eng.des	cyl	# val		stem	g/od	I/E	seal#
TOYOTA - continued												TOYOTA
2.5L	146	2438	95-03	dohc	2rzfe	L4	16V		.237	.435		VSSI-021
	146	2438	90-97	dohc	2tzfe,2tzfe	L4	16V		.237	.435		VSSI-019
	152	2507	88-91	dohc	2vzfe	V6	24V		.237	.435		VSSI-019
2.6L	156	2563	77-80	sohc	4me	L6			.316	.514		VSSI-020
2.7L	164	2693	94-03	dohc	3rzfe	L4D	16V		.237	.435		VSSI-019
2.8L	168	2759	82-88	dohc	5mge	L6	12V		.316	.514		VSSI-020
	168	2759	80-82	sohc	5me	L6			.316	.514		VSSI-020
3.0L	180	2954	86-93	dohc	7mge.te	L6	24V		.237	.435		VSSI-019
	181	2958	88-95	sohc	3vze	V6	12V		.316	.514		VSSI-020
	181	2958	92-93	dohc	3vze	V6	24V		.237	.435		VSSI-019
	183	2995	94-02	dohc	1mzfe	v6	24V		.216	.410		VSSI-052
	183	2997	93-98	dohc	2jzge,2jzgte	L6	24V		.237	.435		VSSI-021
3.4L	206	3378	95-03	dohc	5vzfe	V6	24V		.237	.435		VSSI-021
4.7L	284	4663	98-03	dohc	2uzfe	V8	32V		.216	.410		VSSI-052
VOLKSWAGEN - WATER COOLED												VOLKSWAGEN
All	8mm							8.0	.315	.428		VSSI-038
All	7mm							7.0	.275	.385		VSSI-037
All	6mm							6.0	.236	.347		VSSI-036
VOLVO												VOLVO
All	8mm							8.0	.315	.428		VSSI-038
All	7mm							7.0	.276	.385		VSSI-037
All	6mm							6.0	.236	.347		VSSI-036
												(Also .395 top for o.t. guide)

**SI IS ALWAYS ADDING
NEW SEALS TO OUR LINE**

**PLEASE INQUIRE FOR ANY
VALVE STEM SEALS NOT LISTED HERE**

IMPORTANT TERMS AND CONDITIONS - Please Note

NEW EXTENDED BUSINESS HOURS

8:00 AM to 5:00 PM Pacific Time, Monday through Friday
After hour voicemail available

SHIPMENTS

Customers may pay by credit card. Companies can also submit a business license or equivalent and pay by other means determined by SI at the time of purchase. A \$35 service charge will apply to all returned checks.

SHIPPING

All parcels will be shipped via UPS, post office, truck or OnTrac. All orders will be sent F.O.B. Simi Valley, California. SI does not have a free freight policy.

SHORTAGE / ERROR

Should you receive an incorrect order or a shortage, you must contact us within 3 days of receipt of shipment to place a claim. No claim will be considered without your copy of the original invoice and return goods authorization. Errors on our part will be reshipped via least expensive way unless other arrangements are made with us.

RETURN ITEMS

All return items must have prior authorization before any returns will be accepted and a 20% restocking charge for handling and repacking will be assessed. Customer will be assessed for any freight charges on refused orders. **No returns will be accepted after 30 days for any reason. No returns accepted without RGA issued by SI.** No returns accepted without original invoice. SI does not offer stock adjustments.

PRICES

Due to the fluctuation of material and labor costs, prices are subject to change without notice. No credits will be given as a result of price increases.

SPECIAL ORDERS

All special orders will require credit card payment in advance. No special orders will be accepted for return, for any reason.

CREDITS/REFUNDS

No refunds are made to credit or debit cards. All credits will be made to customers internal SI account to be used for future purchases. So order carefully...
No cash refunds or card refunds will be made unless arranged with SI.

WARNING

We use brand names in this catalog solely for the purpose of identifying vehicles. Every possible attempt has been made to ensure the accuracy of this catalog. SI is not responsible for any costs related to typographical errors, or errors in listings. SI is not responsible for any costs incurred by buyer if products

are illegally installed. If SI requires the service of an attorney or collections agent in the event of a default of any kind by the buyer, the buyer must pay all costs related to the collection. These include, but are not limited to, court costs and attorney's fees.

DISCLAIMER OF WARRANTY

Due to the nature of performance applications and usage of these products, these parts are sold "as is" and without any express or implied warranties of merchantability, fitness for a particular purpose, description or quality. SI shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to, personal injury, damage or loss of other property or equipment, loss of profits or revenue, cost of purchased or replacement goods, or claims of customers

of the purchaser, which may arise and/or result from the sale, installation or use of these parts.

Installation of these parts could adversely affect the vehicle manufacturer's warranty coverage. Warranty on replacement valves is limited to exchange of verified defective valve only. Not for aircraft use. Not for use on pollution controlled vehicles. Off-road use only. Check your state's requirements.

*Most replacement valves available in +.003 or +.015 oversized stems (add +3, +15 to part number)
**Many replacement intake valves are available in stainless steel exhaust material (add -X to part number)

***Black nitrite coating is available on many part number (add -N to part number)
****If you don't find your application listed, please contact your salesperson.
We add new items regularly.

Our Fastest Growing Line



Beyond Others "Top-of-the-Line"

SI Silver Line valves are an upward extension of our existing product line. These premium quality racing valves are the perfect complement to our current stock, street performance and competition valves. We believe these "Silver Line" valves to compare favorably with "top-of-the-line" models from our competitors in both appearance and performance. So there's no need to go anywhere else.

Now... One Call REALLY Does It All With The Addition Of SI's "Silver Line" Premium Racing Valves!

- *Our race proven EV8 stainless steel*
- *One-piece forged construction*
- *Undercut stem area and lock groove are shot-peened for added strength & resistance to breakage*
- *Fully swirl-polished*
- *Chrome stems for better guide wear*
- *Stellite tips for improved reliability*
- *Available with popular undercut stems for reduced weight and better flow*
- *Thicker head margins and special radius for improved durability and performance*
- *Superior finish and consistency*
- *Excellent for the toughest racing applications*
- *Very competitive pricing*
- *Coverage for all popular racing applications in stock*
- *Backed by SI's excellent service and exceptionally low back order rate*



SI INDUSTRIES

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**Providing Quality Service And Values To
The Automotive Industry For Over 40 Years**



2024 Master Catalog



**1-800-56-4VALVE
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