
QualFast Table Of Contents

| <u>Component (Prefix)</u> | <u>Page</u> |
|---|-------------|
| Street Performance Valves (53-)..... | 1 |
| High Performance Valves (50-) | 2 |
| Racing Valves (12-)..... | 3 |
| Sport Compact High Performance Valves (51-)..... | 5 |
| Manganese Bronze and Hardened Cast Iron Guides (30- & 31-)..... | 7 |
| High Performance Springs (52-) | 9 |
| High Performance Spring Kits (52-* -SK)..... | 11 |
| High Performance Retainers (55-) | 13 |
| High Performance Spring Inserts, Cups, and Locators (33-) | 14 |
| High Performance Valve Stem Seals (38-) | 15 |
| High Performance Water Pumps (58-)..... | 16 |
| High Performance Keepers (34-) | 17 |

Warranty / Disclaimer

The purchaser is solely responsible for determining the suitability of any and all products obtained from QualCast, LLC, for any given application or purpose. Purchaser understands that racing parts offered by QualCast are subject to varied conditions beyond the control of QualCast. The decision to use any product or service for any application or situation rests entirely upon said purchaser. The purchaser further agrees that anything received from QualCast carries no warranty, fitness of purpose, or guarantee of merchantability. This applies to all things expressed or implied, oral or written to purchaser and/or end user.

QUALFAST STREET PERFORMANCE VALVES

Our "53-" Street Performance valves are made of a high grade stainless (21-2N) steel, for street and mild racing applications, manufactured to the same precision as our other series including swirl polished underheads and undercut stems. Packaged in matched sets of 8 per box.

- * Swirl Polished Underheads
- * Chrome-Plated Stems
- * Wafer-Welded Tips
- * Undercut Stems



| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip |
|------------------------------|---------------|--------|---------------|-----|-------|
| Chevrolet Small Block | | | | | |
| 53-100150 | 1.500 | 4.910 | 0.3414 | Exh | 0.250 |
| 53-100160 | 1.600 | 4.930 | 0.3414 | Exh | 0.250 |
| 53-1001601 | 1.600 | 5.020 | 0.3414 | Exh | 0.250 |
| 53-100194 | 1.940 | 4.910 | 0.3414 | Int | 0.250 |
| 53-1001941 | 1.940 | 5.010 | 0.3414 | Int | 0.250 |
| 53-100202 | 2.020 | 4.910 | 0.3414 | Int | 0.250 |
| 53-1002021 | 2.020 | 5.010 | 0.3414 | Int | 0.250 |
| 53-100205 | 2.057 | 4.910 | 0.3414 | Int | 0.250 |
| 53-1002051 | 2.057 | 5.010 | 0.3414 | Int | 0.250 |
| 53-100208 | 2.081 | 4.910 | 0.3414 | Int | 0.250 |
| 53-1002081 | 2.081 | 5.010 | 0.3414 | Int | 0.250 |
| Chevrolet LS1 | | | | | |
| 53-108157 | 1.570 | 4.920 | 0.3134 | Exh | 0.160 |
| 53-108202 | 2.020 | 4.880 | 0.3138 | Int | 0.160 |
| Chevrolet Big Block | | | | | |
| 53-100188 | 1.880 | 5.350 | 0.3414 | Exh | 0.220 |
| 53-1001881 | 1.880 | 5.450 | 0.3414 | Exh | 0.220 |
| 53-100225 | 2.250 | 5.217 | 0.3414 | Int | 0.220 |
| 53-1002251 | 2.250 | 5.317 | 0.3414 | Int | 0.220 |



We Build Custom Kits! For exmple, our 53-160202EK-2, pictured at left, contains:

- 8 53-100160
- 8 53-100202
- 16 52-557470
- 32 34-555
- 16 38-532-55

Add retainers or guides, or substitute a spring kit (springs, retainers, and keepers). Call for your custom kit with custom pricing.

QUALFAST HIGH PERFORMANCE VALVES

Our "50-" H.P. line offers 21-4N stainless steel material, plus a special heat treatment for added strength. These valves are designed for heavy duty performance or racing engines. Some racing classes won't allow undercut stems, so these stems are straight.

- * Swirl Polished Underheads
- * Wafer-Welded Tips
- * Chrome-Plated Stems
- * Straight Stems



| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip | Oil Groove |
|------------------------------|---------------|--------|---------------|-----|-------|-------------------------------------|
| Chevrolet Small Block | | | | | | |
| 50-100150 | 1.500 | 4.910 | 0.3415 | Exh | 0.250 | <input checked="" type="checkbox"/> |
| 50-100160 | 1.600 | 4.910 | 0.3415 | Exh | 0.250 | <input checked="" type="checkbox"/> |
| 50-1001601 | 1.600 | 5.010 | 0.3415 | Exh | 0.250 | <input checked="" type="checkbox"/> |
| 50-100163 | 1.625 | 4.910 | 0.3415 | Exh | 0.250 | <input checked="" type="checkbox"/> |
| 50-100194 | 1.940 | 4.910 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-100202 | 2.020 | 4.910 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-1002021 | 2.020 | 5.010 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-100206 | 2.050 | 4.910 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-1002061 | 2.055 | 5.010 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-100208 | 2.080 | 4.910 | 0.3415 | Int | 0.250 | <input type="checkbox"/> |
| 50-1002081 | 2.080 | 5.010 | 0.3415 | Int | 0.250 | <input checked="" type="checkbox"/> |
| 50-100210 | 2.100 | 4.915 | 0.3415 | Int | 0.260 | <input checked="" type="checkbox"/> |
| Chevrolet Big Block | | | | | | |
| 50-110172 | 1.725 | 5.350 | 0.3715 | Exh | 0.220 | <input type="checkbox"/> |
| 50-110175 | 1.750 | 5.375 | 0.3715 | Exh | 0.225 | <input type="checkbox"/> |
| 50-110188 | 1.880 | 5.350 | 0.3715 | Exh | 0.220 | <input type="checkbox"/> |
| 50-100188 | 1.880 | 5.350 | 0.3410 | Exh | 0.220 | <input type="checkbox"/> |
| 50-110207 | 2.065 | 5.216 | 0.3715 | Int | 0.220 | <input type="checkbox"/> |
| 50-110219 | 2.190 | 5.216 | 0.3715 | Int | 0.220 | <input type="checkbox"/> |
| 50-110225 | 2.250 | 5.216 | 0.3715 | Int | 0.220 | <input type="checkbox"/> |
| 50-1102251 | 2.250 | 5.340 | 0.3720 | Int | 0.220 | <input type="checkbox"/> |
| 50-110230 | 2.300 | 5.216 | 0.3715 | Int | 0.220 | <input type="checkbox"/> |
| 50-1102301 | 2.300 | 5.316 | 0.3715 | Int | 0.220 | <input type="checkbox"/> |
| 50-100230 | 2.300 | 5.316 | 0.3410 | Int | 0.220 | <input type="checkbox"/> |
| 50-1002301 | 2.300 | 5.466 | 0.3415 | Int | 0.250 | <input type="checkbox"/> |

QUALFAST RACING VALVES

***Our Valves Are Undercut,
And Our Performance Is
Overwhelming!***

- * Premium One-Piece 21-4N
Stainless Steel
- * Undercut Valve Stems
- * Swirl Polished Underheads
- * Wafer-Welded Tips
- * Chrome-Plated Stems

***Our "12-" Racing line offers the highest quality
Stainless Steel, plus a special heat treatment for
unsurpassed ductility and strength along with a
weight saving design including thinner margins
and seats, while maintaining optimal heat transfer.***



| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip |
|---------|---------------|--------|---------------|-----|-----|
|---------|---------------|--------|---------------|-----|-----|

Chevrolet Small Block

| | | | | | |
|----------|-------|-------|--------|-----|-------|
| 12-27035 | 1.500 | 4.910 | 0.3415 | Exh | 0.250 |
| 12-27036 | 1.550 | 4.930 | 0.3410 | Exh | 0.250 |
| 12-27045 | 1.600 | 4.930 | 0.3410 | Exh | 0.250 |
| 12-27046 | 1.600 | 5.020 | 0.3410 | Exh | 0.250 |
| 12-27049 | 1.625 | 4.930 | 0.3410 | Exh | 0.250 |
| 12-27005 | 1.940 | 4.910 | 0.3415 | Int | 0.250 |
| 12-27015 | 2.020 | 4.910 | 0.3410 | Int | 0.250 |
| 12-27017 | 2.020 | 4.980 | 0.3410 | Int | 0.250 |
| 12-27016 | 2.020 | 5.010 | 0.3410 | Int | 0.250 |
| 12-27025 | 2.055 | 4.910 | 0.3410 | Int | 0.250 |
| 12-27026 | 2.055 | 5.010 | 0.3410 | Int | 0.250 |
| 12-27027 | 2.080 | 4.910 | 0.3410 | Int | 0.250 |
| 12-27028 | 2.080 | 5.010 | 0.3410 | Int | 0.250 |

Chevrolet LS1

| | | | | | |
|----------|-------|-------|--------|-----|-------|
| 12-27031 | 1.570 | 4.920 | 0.3134 | Exh | 0.160 |
| 12-27006 | 2.020 | 4.880 | 0.3138 | Int | 0.160 |

Chevrolet Big Block

| | | | | | |
|----------|-------|-------|--------|-----|-------|
| 12-27125 | 1.725 | 5.350 | 0.3710 | Exh | 0.220 |
| 12-27135 | 1.880 | 5.350 | 0.3710 | Exh | 0.220 |
| 12-27175 | 1.880 | 5.350 | 0.3410 | Exh | 0.220 |
| 12-27138 | 1.880 | 5.450 | 0.3710 | Exh | 0.220 |
| 12-27139 | 1.880 | 5.450 | 0.3410 | Exh | 0.220 |
| 12-21882 | 1.880 | 5.600 | 0.3410 | Exh | 0.220 |
| 12-21901 | 1.900 | 5.450 | 0.3410 | Exh | 0.220 |
| 12-21902 | 1.900 | 5.600 | 0.3410 | Exh | 0.220 |

| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip |
|----------------------------|---------------|--------|---------------|-----|-------|
| Chevrolet Big Block | | | | | |
| 12-27105 | 2.065 | Std. | 0.3710 | Int | 0.220 |
| 12-27118 | 2.190 | +100 | 0.3410 | Int | 0.220 |
| 12-27119 | 2.190 | +100 | 0.3710 | Int | 0.220 |
| 12-22191 | 2.190 | 5.466 | 0.3410 | Int | 0.220 |
| 12-27115 | 2.190 | Std. | 0.3710 | Int | 0.220 |
| 12-27152 | 2.250 | +100 | 0.3410 | Int | 0.220 |
| 12-27146 | 2.250 | +100 | 0.3710 | Int | 0.220 |
| 12-27116 | 2.250 | +250 | 0.3410 | Int | 0.220 |
| 12-27145 | 2.250 | Std. | 0.3710 | Int | 0.220 |
| 12-27185 | 2.250 | Std. | 0.3410 | Int | 0.220 |
| 12-21301 | 2.300 | +100 | 0.3410 | Int | 0.220 |
| 12-27190 | 2.300 | +250 | 0.3410 | Int | 0.220 |
| Ford Small Block | | | | | |
| 12-27314 | 1.540 | 5.090 | 0.3415 | Exh | 0.395 |
| 12-27337 | 1.600 | 5.090 | 0.3410 | Exh | 0.395 |
| 12-27334 | 1.840 | 5.090 | 0.3419 | Int | 0.395 |
| 12-27317 | 1.900 | 5.090 | 0.3410 | Int | 0.395 |
| 12-27318 | 1.940 | 5.090 | 0.3419 | Int | 0.395 |
| 12-27319 | 2.020 | 5.090 | 0.3410 | Int | 0.395 |
| Ford Big Block | | | | | |
| 12-27385 | 1.745 | 5.050 | 0.3410 | Exh | 0.340 |
| 12-27389 | 1.760 | 4.960 | 0.3410 | Exh | 0.250 |
| 12-27378 | 2.190 | 5.265 | 0.3410 | Int | 0.250 |
| 12-27375 | 2.250 | 5.276 | 0.3410 | Int | 0.280 |



QUALFAST SPORT COMPACT H.P. VALVES

- * Premium One-Piece Stainless Steel
- * Straight and Undercut Valve Stems
- * Swirl Polished Underheads
- * Wafer-Welded Tips
- * Chrome-Plated Stems



Our 51- Sport Compact line combines 21-4N Stainless Steel material with both swirl-polished straight stems, and swirl-polished undercut stems for maximum flow and efficiency.

| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip | Note |
|---|---------------|-----------|---------------|------|---------|--------------------|
| Acura Integra B18A1-B1 | | | | | | |
| 51-7777 | 28 mm | 106 mm | 6.5 mm | Exh | 5.1 mm | |
| 51-7775 | 28.5 mm | 106 mm | 6.5 mm | Exh | 5.5mm | |
| 51-7776 | 31 mm | 105.5 mm | 6.5 mm | Int | 5.1 mm | Undercut |
| 51-7774 | 31.5 mm | 105.5 mm | 6.5 mm | Int | 5.5 mm | Undercut |
| Acura RSX K20A2 | | | | | | |
| 51-7771 | 30 mm | 108.7 mm | 5.5 mm | Exh | 2.15 mm | |
| 51-7769 | 31 mm | 108.7 mm | 5.5 mm | Exh | 2.15 mm | |
| 51-7770 | 35 mm | 109 mm | 5.5 mm | Int | 2.15 mm | Undercut |
| 51-7768 | 36 mm | 109 mm | 5.5 mm | Int | 2.15 mm | Undercut |
| Acura/Honda B16A-3, B17A, B18C1-5 VTEC | | | | | | |
| 51-7772 | 28 mm | 102.5 mm | 5.5 mm | Exh | 2.5 mm | Nitrided |
| 51-7308 | 28.5 mm | 102.5 mm | 5.5 mm | Exh | 2.5 mm | |
| 51-77723-16 | 28/33mm | | 5.5 mm | Both | 2.5mm | 16 Valve Set |
| 51-7312 | 29 mm | 102.5 mm | 5.5 mm | Exh | 2.5 mm | |
| 51-7773 | 33 mm | 102.35 mm | 5.5 mm | Int | 2.5 mm | Undercut, Nitrided |
| 51-7310 | 33.5 mm | 102.35 mm | 5.5 mm | Int | 2.5 mm | Undercut |
| 51-7311 | 34 mm | 102.35 mm | 5.5 mm | Int | 2.5 mm | Undercut |
| Honda Accord F22B1 VTEC | | | | | | |
| 51-7783 | 29 mm | 114.25 mm | 5.5 mm | Exh | 3.5 mm | |
| 51-7781 | 30 mm | 114.25 mm | 5.5 mm | Exh | 3.5 mm | |
| 51-7782 | 34 mm | 116 mm | 5.5 mm | Int | 3.5 mm | Undercut |
| 51-7780 | 35 mm | 116 mm | 5.5 mm | Int | 3.5 mm | Undercut |
| Honda Civic D16Z6-Y5-Y7-Y8 VTEC | | | | | | |
| 51-7787 | 26 mm | 115.95 mm | 5.5 mm | Exh | 1.9 mm | |
| 51-7785 | 27 mm | 115.95 mm | 5.5 mm | Exh | 1.9 mm | |
| 51-7786 | 30 mm | 118.6 mm | 5.5 mm | Int | 1.9 mm | Undercut |
| 51-7784 | 31 mm | 118.6 mm | 5.5 mm | Int | 1.9 mm | Undercut |

| Part No | Head Diameter | Length | Stem Diameter | I/E | Tip | Note |
|-----------------------------------|---------------|-----------|---------------|-----|---------|-----------------|
| Honda Civic CRX D16A6 | | | | | | |
| 51-7791 | 25 mm | 118.75 mm | 5.5 mm | Exh | 4.1 mm | |
| 51-7789 | 26 mm | 118.75 mm | 5.5 mm | Exh | 4.1 mm | |
| 51-7790 | 29 mm | 115 mm | 5.5 mm | Int | 4.1 mm | Undercut |
| 51-7788 | 30 mm | 115 mm | 5.5 mm | Int | 4.1 mm | Undercut |
| Honda Prelude H22A1-4 | | | | | | |
| 51-7799 | 30 mm | 107.1 mm | 5.5 mm | Exh | 1.9 mm | |
| 51-7797 | 31 mm | 107.1 mm | 5.5 mm | Exh | 1.9 mm | |
| 51-7798 | 35 mm | 106.85 mm | 5.5 mm | Int | 1.9 mm | Undercut |
| 51-7796 | 36 mm | 106.85 mm | 5.5 mm | Int | 1.9 mm | Undercut |
| Dodge Neon DOHC | | | | | | |
| 51-7842 | 30.5 mm | 110 mm | 6 mm | Exh | 11 mm | |
| 51-7843 | 31.5 mm | 110 mm | 6 mm | Exh | 11 mm | |
| 51-7847 | 35 mm | 111.7 mm | 6 mm | Int | 11 mm | Undercut |
| 51-7848 | 36 mm | 111.7 mm | 6 mm | Int | 11 mm | Undercut |
| GM 2.2L Eco-Tec | | | | | | |
| 51-7930 | 30.15 mm | 101.5 mm | 6 mm | Exh | 5.4 mm | |
| 51-7929 | 31.15 mm | 101.5 mm | 6 mm | Exh | 5.4 mm | |
| 51-7928 | 35.15 mm | 102.5 mm | 6 mm | Int | 5.4 mm | Undercut |
| 51-7927 | 36.15 mm | 102.5 mm | 6 mm | Int | 5.4 mm | Undercut |
| Ford Focus 2.0L DOHC ZETEC | | | | | | |
| 51-7934 | 28 mm | 97.1 mm | 6 mm | Exh | 5.3 mm | Dished |
| 51-7933 | 29 mm | 97.1 mm | 6 mm | Exh | 5.3 mm | Dished |
| 51-7932 | 32 mm | 97.5 mm | 6 mm | Int | 5.3 mm | Undercut Dished |
| 51-7931 | 33 mm | 97.5 mm | 6 mm | Int | 5.3 mm | Undercut Dished |
| Mitsubishi Eclipse 4G63-T | | | | | | |
| 51-7807 | 30.5 mm | 109.75 mm | 6.5 mm | Exh | 3.75 mm | |
| 51-7808 | 31.5 mm | 109.75 mm | 6.5 mm | Exh | 3.75 mm | |
| 51-7809 | 34 mm | 109.75 mm | 6.5 mm | Int | 3.75 mm | Undercut |
| 51-7804 | 35 mm | 109.75 mm | 6.5 mm | Int | 3.75 mm | Undercut |
| Mitsubishi 3000GT 6G72-T | | | | | | |
| 51-7803 | 30.5 mm | 105.5 mm | 6.5 mm | Exh | 3.75 mm | |
| 51-7801 | 31.5 mm | 105.5 mm | 6.5 mm | Exh | 3.75 mm | |
| 51-7802 | 35 mm | 106.4 mm | 6.5 mm | Int | 3.75 mm | Undercut |
| 51-7800 | 36 mm | 106.4 mm | 6.5 mm | Int | 3.75 mm | Undercut |
| Subaru WRX 2.0L DOHC EJ20 | | | | | | |
| 51-7918 | 33mm | 104.8mm | 6mm | Exh | 3.5mm | |
| 51-7917 | 33mm | 104.8mm | 6mm | Exh | 3.5mm | |
| 51-7912 | 36mm | 104.6mm | 6mm | Int | 3.5mm | |
| 51-7613 | 37mm | 104.6mm | 6mm | Int | 3.5mm | |

MANGANESE BRONZE AND HARDENED CAST IRON GUIDES

Manganese Bronze guides are precision machined from the highest quality, specially formulated material. This material offers improved thermal conductivity, lower friction, higher strength, and superior corrosion resistance.

Our Hardened Cast Iron Guides are manufactured from a special premium cast iron alloy, then heat treated to 30 Rockwell C.



| Part No | I.D. | O.D. | Length | SealOD | FlangeOD | Part No | I.D. | O.D. | Length | SealOD | FlangeOD |
|-----------------------------------|--------|-------|--------|--------|----------|------------------|-------|-------|--------|--------|----------|
| Material: MANGANESE BRONZE | | | | | | Universal | | | | | |
| Chevrolet LS1 | | | | | | 31-4003 | 0.341 | 0.502 | 2.600 | | |
| 31-4019 | 0.315 | 0.500 | 2.000 | 0.500 | 0.562 | 31-7907 | 0.342 | 0.502 | 2.375 | | |
| 31-3053 | 0.315 | 0.500 | 2.115 | | | 31-4022 | 0.342 | 0.502 | 3.000 | 0.530 | 0.531 |
| 31-4018 | 0.315 | 0.501 | 1.976 | | | 31-7259 | 0.342 | 0.502 | 3.065 | | |
| 31-4020 | 0.315 | 0.530 | 2.000 | 0.530 | 0.562 | 31-4023 | 0.342 | 0.627 | 2.250 | 0.560 | |
| Ford 4.6L 7mm Valve Stem | | | | | | 31-7715 | 0.343 | 0.502 | 2.125 | | |
| 31-4031 | 0.275 | 0.494 | 1.835 | 0.530 | 0.560 | 31-7946 | 0.343 | 0.502 | 2.250 | | |
| 31-4032 | 0.275 | 0.494 | 1.975 | 0.472 | 0.610 | 31-4021 | 0.343 | 0.502 | 2.350 | 0.530 | 0.530 |
| 31-4033 | 0.275 | 0.494 | 2.100 | 0.472 | 0.610 | 31-7459 | 0.343 | 0.502 | 2.375 | | |
| 31-4034 | 0.275 | 0.495 | 1.805 | 0.531 | 0.610 | 31-7460 | 0.343 | 0.502 | 2.500 | | |
| 31-4035 | 0.277 | 0.495 | 1.800 | 0.472 | 0.610 | 31-5604 | 0.343 | 0.502 | 2.625 | | |
| Universal | | | | | | 31-6106 | 0.343 | 0.502 | 2.750 | | |
| 31-8560 | 0.236 | 0.495 | 1.890 | | | 31-8012 | 0.343 | 0.502 | 2.875 | | |
| 31-8274 | 0.2765 | 0.495 | 1.930 | | | 31-6867 | 0.344 | 0.502 | 2.125 | | |
| 31-4026 | 0.310 | 0.502 | 2.250 | 0.530 | 0.562 | 31-5607 | 0.344 | 0.502 | 2.250 | | |
| 31-6872 | 0.311 | 0.439 | 2.281 | | | 31-6105 | 0.344 | 0.502 | 2.500 | | |
| 31-7359 | 0.315 | 0.476 | 1.450 | | | 31-7552 | 0.344 | 0.565 | 2.875 | | |
| 31-4017 | 0.340 | 0.502 | 1.950 | 0.531 | 0.531 | 31-8009 | 0.372 | 0.502 | 2.375 | | |
| 31-4013 | 0.340 | 0.502 | 2.100 | 0.531 | 0.531 | 31-4025 | 0.372 | 0.502 | 3.000 | 0.530 | 0.531 |
| 31-4024 | 0.340 | 0.502 | 2.250 | 0.530 | 0.562 | 31-7298 | 0.373 | 0.502 | 2.375 | | |
| 31-4015 | 0.340 | 0.503 | 2.125 | 0.530 | 0.562 | 31-7260 | 0.373 | 0.502 | 2.875 | | |
| 31-4016 | 0.341 | 0.502 | 1.920 | 0.530 | 0.562 | 31-7279 | 0.373 | 0.565 | 2.875 | | |
| 31-4011 | 0.341 | 0.502 | 2.125 | 0.530 | 0.562 | 31-4028 | 0.373 | 0.620 | 2.562 | 0.530 | |
| 31-4002 | 0.341 | 0.502 | 2.234 | 0.530 | 0.562 | 31-4029 | 0.373 | 0.625 | 2.427 | 0.530 | |
| 31-3500 | 0.341 | 0.502 | 2.400 | 0.530 | 0.562 | 31-8826 | 0.373 | 0.628 | 2.565 | | |
| | | | | | | 31-8825 | 0.373 | 0.633 | 2.435 | | |

| Part No | I.D. | O.D. | Length | SealOD | FlangeOD | Part No | I.D. | O.D. | Length | SealOD | FlangeOD |
|---|-------|-------|--------|--------|----------|----------------------------|-------|-------|--------|--------|----------|
| Universal | | | | | | Material: CAST IRON | | | | | |
| Universal | | | | | | Universal | | | | | |
| 31-6107 | 0.374 | 0.502 | 2.250 | | | 30-9977H | 0.312 | 0.502 | 2.281 | | |
| 31-8017 | 0.374 | 0.502 | 2.375 | | | 30-9460H | 0.343 | 0.502 | 2.500 | | |
| 31-6108 | 0.374 | 0.502 | 2.375 | | | 30-9607H | 0.344 | 0.502 | 2.250 | | |
| 31-6109 | 0.374 | 0.502 | 2.500 | | | 30-9523H | 0.344 | 0.502 | 3.063 | | |
| 31-8016 | 0.374 | 0.502 | 2.625 | | | 30-9964H | 0.373 | 0.502 | 2.625 | | |
| 31-4030 | 0.405 | 0.565 | 3.250 | 0.565 | | 30-9108H | 0.374 | 0.502 | 2.375 | | |
| Acura Integra B18A1-B1 | | | | | | 30-9458H | 0.374 | 0.502 | 3.063 | | |
| 31-8156 | 0.260 | 0.475 | 1.770 | | | 30-9972H | 0.374 | 0.621 | 2.630 | | |
| 31-8155 | 0.260 | 0.476 | 1.975 | | | | | | | | |
| Acura/Honda B16A-3, B17A, B18C1-5 VTEC | | | | | | | | | | | |
| 31-8576 | 0.217 | 0.475 | 1.640 | | | | | | | | |
| 31-8577 | 0.217 | 0.475 | 1.870 | | | | | | | | |
| BMW 1.8, 1.9, 2.5, 2.8L DOHC | | | | | | | | | | | |
| 31-4036 | 0.235 | 0.494 | 1.709 | | | | | | | | |
| Honda Accord F22B1 VTEC | | | | | | | | | | | |
| 31-8158 | 0.217 | 0.436 | 1.870 | | | | | | | | |
| 31-8157 | 0.217 | 0.436 | 2.120 | | | | | | | | |
| Honda Prelude H22A1-4 | | | | | | | | | | | |
| 31-8582 | 0.217 | 0.475 | 1.715 | | | | | | | | |
| 31-8583 | 0.217 | 0.475 | 2.045 | | | | | | | | |
| Dodge Neon DOHC | | | | | | | | | | | |
| 31-8556 | 0.236 | 0.436 | 1.730 | | | | | | | | |
| Ford Focus 2.0L DOHC ZETEC | | | | | | | | | | | |
| 31-8662 | 0.239 | 0.473 | 1.400 | | | | | | | | |
| Mitsubishi Eclipse 4G63-T | | | | | | | | | | | |
| 31-8193 | 0.260 | 0.476 | 1.790 | | | | | | | | |
| 31-8194 | 0.260 | 0.476 | 1.990 | | | | | | | | |
| Toyota Supra 2JZGE-T | | | | | | | | | | | |
| 31-8038 | 0.236 | 0.435 | 1.595 | | | | | | | | |
| 31-8147 | 0.236 | 0.436 | 1.515 | | | | | | | | |
| Volkswagen 1.9, 2.8L 7mm | | | | | | | | | | | |
| 31-8139 | 0.275 | 0.476 | 1.500 | | | | | | | | |
| Volkswagen 1.8 20V, 2.7, 2.8, 3.0L 30V 6mm | | | | | | | | | | | |
| 31-03419 | 0.236 | 0.436 | 1.415 | | | | | | | | |

QUALFAST HIGH PERFORMANCE SPRINGS

Manufactured by the industry-leading high performance valve spring factory, QualFast high performance springs employ the latest materials and manufacturing processes. All QualFast springs are wound using super-clean chrome silicon or new Alpha1 or 3 alloy wires. Our springs are engineered for high performance, giving optimum lift and preventing valve float.



| Part No | Max Lift | O.D. | I.D. | Closed Load | Open Load | Type | Coil Bind | Note |
|-----------------------------|----------|--------|--------|-------------|-----------|------------------|-----------|--------------------|
| Domestic Performance | | | | | | | | |
| 52-07513 | | 0.953 | 0.697 | 58 @1.500 | | Single | 0.928 | Dual Inner |
| 52-43270 | 0.490 | 1.215 | 0.861 | 120 @1.70 | 265 @1.20 | Single w/ Damper | 1.150 | GM L6, V6 |
| 52-10008 | 0.490 | 1.240 | 0.876 | 80 @1.700 | 200 @1.25 | Single w/ Damper | 1.150 | |
| 52-10010 | 0.500 | 1.260 | 0.876 | 120 @ 1.70 | 300 @1.20 | Single w/ Damper | 1.160 | |
| 52-08470 | 0.500 | 1.437 | 1.080 | 105 @1.75 | 210 @1.25 | Single w/ Damper | 1.100 | |
| 52-10092 | 0.500 | 1.500 | 0.803 | 90 @1.880 | 280 @1.38 | Dual | 1.280 | GM BB |
| 52-22970 | 0.525 | 1.525 | 1.075 | 125 @1.87 | 355 @1.37 | Single w/ Damper | 1.240 | |
| 52-12070 | 0.530 | 1.514 | 1.125 | 130 @1.75 | 235 @1.22 | Single w/ Damper | 1.200 | |
| 52-16670 | 0.540 | 1.435 | 1.035 | 110 @1.70 | 300 @1.15 | Single w/ Damper | 1.100 | |
| 52-10012 | 0.540 | 1.494 | 1.080 | 95 @1.650 | 270 @1.20 | Single w/ Damper | 1.085 | |
| 52-10011 | 0.540 | 1.504 | 1.090 | 90 @ 1.880 | 265 @1.38 | Single w/ Damper | 1.265 | |
| 52-46970 | 0.540 | 1.539 | 1.125 | 135 @1.87 | 305 @1.35 | Single w/ Damper | 1.160 | |
| 52-65900 | 0.550 | 1.050T | 0.636T | 80 @1.640 | 185 @1.09 | Single Conical | 0.952 | Ford 4.6L 2V Ovate |
| 52-65000 | 0.550 | 1.289T | 0.660T | 105 @1.80 | 265 @1.20 | Single Conical | 1.140 | GM LS1 Ovate Wire |
| 52-10208 | 0.560 | 1.470 | 0.820 | 110 @1.88 | 350 @1.33 | Dual | 1.250 | GM 454 |
| 52-53410 | 0.590 | 1.437 | 0.796 | 165 @1.80 | 315 @1.30 | Dual | 1.100 | |
| 52-57470 | 0.600 | 1.260 | 0.876 | 125 @1.75 | 330 @1.20 | Single w/ Damper | 1.160 | |
| 52-61270 | 0.600 | 1.260 | 0.876 | 130 @1.80 | 350 @1.20 | Single w/ Damper | 1.140 | |
| 52-55710 | 0.600 | 1.437 | 0.810 | 140 @1.80 | 295 @1.30 | Dual | 1.100 | |
| 52-27410 | 0.600 | 1.460 | 0.700 | 135 @1.85 | 420 @1.17 | Dual | 1.170 | |
| 52-27270 | 0.600 | 1.460 | 1.060 | 115 @1.82 | 295 @1.25 | Single w/ Damper | 1.150 | |
| 52-61810 | 0.600 | 1.460 | 0.840 | 145 @1.80 | 350 @1.20 | Dual | 1.080 | |
| 52-41010 | 0.600 | 1.539 | 0.731 | 190 @1.94 | 425 @1.37 | Dual w/ Damper | 1.200 | |
| 52-49270 | 0.600 | 1.540 | 1.140 | 100 @1.90 | 240 @1.30 | Single w/ Damper | 1.200 | |
| 52-57310 | 0.625 | 1.557 | 0.749 | 200 @2.00 | 450 @1.37 | Dual w/ Damper | 1.160 | |
| 52-55810 | 0.630 | 1.514 | 0.795 | 140 @1.94 | 360 @1.30 | Dual | 1.200 | |

| Part No | Max Lift | O.D. | I.D. | Closed Load | Open Load | Type | Coil Bind | Note |
|----------|----------|-------|-------|-------------|-----------|----------------|-----------|--------|
| 52-66310 | 0.650 | 1.276 | 0.676 | 147 @1.80 | 425 @1.20 | Dual | 1.100 | GM LS1 |
| 52-65810 | 0.650 | 1.295 | 0.676 | 140 @1.80 | 385 @1.15 | Dual | 1.100 | GM LS1 |
| 52-63710 | 0.650 | 1.500 | 0.731 | 180 @1.90 | 500 @1.25 | Dual w/ Damper | | |
| 52-58010 | 0.650 | 1.500 | 0.800 | 190 @1.85 | 470 @1.25 | Dual | 1.075 | |
| 52-58310 | 0.700 | 1.540 | 0.729 | 255 @1.95 | 590 @1.23 | Dual w/ Damper | 1.190 | |

Import Performance

| Part No | Type | O.D. | I.D. | Closed Load | Open Load | Coil Bind | Note |
|---------|------|------|------|-------------|-----------|-----------|------|
|---------|------|------|------|-------------|-----------|-----------|------|

Acura Integra B18A1-B1

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|--|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9008" and spring locator "33-8104-L" in place of stock spring base. |
|---------|------|------|--------|----------|-----------|------|--|

Acura RSX K20A2

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|--|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9000" and spring cup "33-5105" in place of the stock spring base. |
|---------|------|------|--------|----------|-----------|------|--|

Acura/Honda B16A-3, B17A, B18C1-5 VTEC

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|--|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9005" with stock spring base. |
|---------|------|------|--------|----------|-----------|------|--|

Honda Civic D16Z6-Y5-Y7-Y8 VTEC

| | | | | | | | |
|---------|--------|------|-------|-----------|-----------|------|--|
| 52-8108 | Single | 23mm | 15 mm | 65 @49.5m | 165 @10mm | 33mm | Use retainer "55-9012" with the stock spring base. |
|---------|--------|------|-------|-----------|-----------|------|--|

Honda Prelude H22A1-4

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|--|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9001" with the stock spring base. |
|---------|------|------|--------|----------|-----------|------|--|

Dodge Neon DOHC

| | | | | | | | |
|---------|------|--------|--------|-----------|-----------|--------|--|
| 52-8112 | Dual | 27.2mm | 15.4mm | 70 @38.5m | 240 @12mm | 23.5mm | Use retainer "55-9014" with the stock spring base. |
|---------|------|--------|--------|-----------|-----------|--------|--|

Mitsubishi Eclipse 4G63-T

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|--|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9006" and spring cup "33-5103" in place of the stock spring base. |
|---------|------|------|--------|----------|-----------|------|--|

Mitsubishi 3000GT 6G72-T

| | | | | | | | |
|---------|------|------|--------|----------|-----------|------|---|
| 52-8101 | Dual | 29mm | 15.5mm | 80 @34mm | 195 @10mm | 19mm | Use retainer "55-9003" and spring cup "33-5118" in place of the stock spring base |
|---------|------|------|--------|----------|-----------|------|---|

Toyota Supra 2JZGE-T

| | | | | | | | |
|---------|------|--------|--------|----------|-----------|------|--|
| 52-8109 | Dual | 27.5mm | 15.4mm | 80 @35mm | 195 @10mm | 19mm | Use retainer "55-9009" and spring locator "33-8107-L" in place of the stock spring base. |
|---------|------|--------|--------|----------|-----------|------|--|

Subaru WRX 2.0L DOHC EJ20

| | | | | | | | |
|---------|------|--------|--|----------|-----------|------|--|
| 52-8110 | Dual | 29.5mm | | 80 @34mm | 195 @10mm | 21mm | Use retainer "55-9019" and spring cup "33-5110" in place of stock spring base. |
|---------|------|--------|--|----------|-----------|------|--|

QUALFAST HIGH PERFORMANCE SPRING KITS

Our Performance Spring Kits Include 16 Springs, 16 Retainers and 32 Keepers
Designed to Function Together to Give You Maximum Performance.

| Part No | Max Lift \ Kit Contents | Spring O.D. \ Description | Loads \ Specifications |
|-------------------|----------------------------|------------------------------|---------------------------|
| 52-08470SK | 500 | 1.437 | 105 @1.750 |
| 16 | 52-08470 | Single w/ Damper | 210 @1.250 |
| 16 | 55-6302 | 7 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-10010SK | 500 | 1.260 | 120 @1.700 |
| 16 | 52-10010 | Single w/ Damper | 320 @1.200 |
| 16 | 55-6105 | 7 Deg Retainer | 11/32 x 1.200 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-10092SK | 500 | 1.500 | 90 @1.880 |
| 16 | 52-10092 | Dual | 280 @1.380 |
| 16 | 55-6304 | 7 Deg Retainer | 3/8 x 1.400 |
| 32 | 34-613 | 7 Deg Keeper | 3/8 |
| 52-22970SK | 525 | 1.525 | 125 @1.875 |
| 16 | 52-22970 | Single w/ Damper | 355 @1.375 |
| 16 | 55-6304 | 7 Deg Retainer | 3/8 x 1.400 |
| 32 | 34-613 | 7 Deg Keeper | 3/8 |
| 52-12070SK | 530 | 1.514 | 130 @1.750 |
| 16 | 52-12070 | Single w/ Damper | 235 @1.225 |
| 16 | 55-6303 | 7 Deg Retainer | 11/32 x 1.490 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-12073SK | 530 | 1.514 | 130 @1.750 |
| 16 | 52-12070 | Single w/ Damper | 235 @1.225 |
| 16 | 55-6304 | 7 Deg Retainer | 3/8 x 1.490 |
| 32 | 34-613 | 7 Deg Keeper | 3/8 |
| 52-65000SK | 550 | 1.289 | 105 @1.800 |
| 16 | 52-65000 | Single Conical | 265 @1.200 |
| 16 | 55-6103 | 7 Deg Retainer | 8mm x 1.030 |
| 32 | 34-217 | 7 Deg Keeper | 8mm |
| 52-65008SK | 550 | 1.289 | 105 @1.800 |
| 16 | 52-65000 | Single Conical | 265 @1.200 |
| 16 | 55-8103 | 7 Deg Retainer | 8mm x 1.030 Titanium |
| 32 | 34-217 | 7 Deg Keeper | 8mm |
| 52-65900SK | 550 | 1.050 | 80 @1.640 |
| 16 | 52-65900 | Single Conical | 185 @1.090 |
| 16 | 55-6194 | 7 Deg Retainer | 7mm x 0.890 |
| 32 | 34-281 | 7 Deg Keeper | 7mm |
| 52-27270SK | 600 | 1.460 | 115 @1.820 |
| 16 | 52-27270 | Single w/ Damper | 245 @1.320 |
| 16 | 55-6302 | 7 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-27410SK | 600 | 1.460 | 135 @1.850 |
| 16 | 52-27410 | Dual w/ Damper | 420 @1.175 |
| 16 | 55-6302 | 7 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-41010SK | 600 | 1.539 | 190 @1.940 |
| 16 | 52-41010 | Dual w/ Damper | 425 @1.370 |
| 16 | 55-6305 | 7 Deg Retainer | 3/8 x 1.490 |
| 32 | 34-613 | 7 Deg Keeper | 3/8 |

| Part No | Max Lift \ Kit Contents | Spring O.D. \ Description | Loads \ Specifications |
|-------------------|----------------------------|------------------------------|---------------------------|
| 52-49270SK | 600 | 1.540 | 100 @1.900 |
| 16 | 52-49270 | Single w/ Damper | 240 @1.300 |
| 16 | 55-6308 | 10 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-55710SK | 600 | 1.437 | 140 @1.800 |
| 16 | 52-55710 | Dual | 295 @1.300 |
| 16 | 55-6302 | 7 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-57470SK | 600 | 1.260 | 125 @1.750 |
| 16 | 52-57470 | Single w/ Damper | 130 @1.200 |
| 16 | 55-6100 | 7 Deg Retainer | 11/32 x 1.240 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-61270SK | 600 | 1.260 | 130 @1.800 |
| 16 | 52-61270 | Single w/ Damper | 350 @1.200 |
| 16 | 55-6100 | 7 Deg Retainer | 11/32 x 1.240 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-61810SK | 600 | 1.460 | 145 @1.800 |
| 16 | 52-61810 | Dual | 350 @1.200 |
| 16 | 55-6302 | 7 Deg Retainer | 11/32 x 1.400 |
| 32 | 34-555 | 7 Deg Keeper | 11/32 |
| 52-57310SK | 625 | 1.557 | 200 @2.000 |
| 16 | 52-57310 | Dual w/ Damper | 450 @1.375 |
| 16 | 55-6308 | 10 Deg Retainer | 11/32 x 1.500 |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-57318SK | 625 | 1.557 | 200 @2.000 |
| 16 | 52-57310 | Dual w/ Damper | 450 @1.375 |
| 16 | 55-8308 | 10 Deg Retainer | 11/32 x 1.500 Titanium |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-58010SK | 650 | 1.500 | 186 @1.900 |
| 16 | 52-58010 | Dual | 470 @1.250 |
| 16 | 55-6305 | 7 Deg Retainer | 3/8 x 1.490 |
| 32 | 34-613 | 7 Deg Keeper | 3/8 |
| 52-58011SK | 650 | 1.500 | 186 @1.900 |
| 16 | 52-58010 | Dual | 470 @1.250 |
| 16 | 55-6308 | 10 Deg Retainer | 11/32 x 1.490 |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-63710SK | 650 | 1.500 | 180 @1.900 |
| 16 | 52-63710 | Dual w/ Damper | 500 @1.250 |
| 16 | 55-6308 | 10 Deg Retainer | 11/32 x 1.490 |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-66310SK | 650 | 1.276 | 147 @1.800 |
| 16 | 52-66310 | Dual | 425 @1.200 |
| 16 | 55-6123 | 7 Deg Retainer | 8mm x 1.230 |
| 32 | 34-217 | 7 Deg Keeper | 8mm |
| 52-58310SK | 700 | 1.540 | 255 @1.950 |
| 16 | 52-58310 | Dual w/ Damper | 590 @1.230 |
| 16 | 55-6308 | 10 Deg Retainer | 11/32 x 1.490 |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |
| 52-58318SK | 700 | 1.540 | 225 @1.950 |
| 16 | 52-58310 | Dual w/ Damper | 590 @1.230 |
| 16 | 55-8308 | 10 Deg Retainer | 11/32 x 1.490 Titanium |
| 32 | 34-10555 | 10 Deg Keeper | 11/32 |

QUALFAST HIGH PERFORMANCE RETAINERS

Precision Machined From Chrome Moly or Titanium, our High Performance Retainers are specially designed to work with our High Performance Springs.



| Part No | Stem Dia | O.D. | Step 1 Dia. | Step 2 Dia. | Deg. | Matl. | Note |
|-----------------------------|----------|--------|-------------|-------------|------|------------|--|
| Domestic Performance | | | | | | | |
| 55-6906 | 11/32 | 1.130 | 0.865 | 0.615 | 7 | ChromeMoly | GM Vortec 86-Up |
| 55-6105 | 11/32 | 1.200 | 0.850 | 0.667 | 7 | ChromeMoly | GM 265-350 |
| 55-6350 | 11/32 | 1.200 | 0.890 | 0.640 | 7 | ChromeMoly | GM LT4 94-97 |
| 55-6115 | 11/32 | 1.200 | 0.748 | 0.635 | 7 | ChromeMoly | GM 265-350 |
| 55-6100 | 11/32 | 1.240 | 0.860 | 0.600 | 7 | ChromeMoly | Std. SBC |
| 55-8100 | 11/32 | 1.240 | 0.860 | 0.600 | 7 | Titanium | Std. SBC |
| 55-6231 | 11/32 | 1.250 | 0.845 | 0.690 | 7 | ChromeMoly | Buick 231 |
| 55-6177 | 11/32 | 1.320 | 0.918 | 0.660 | 7 | ChromeMoly | Ford 2.3L |
| 55-6179 | 11/32 | 1.330 | 0.987 | 0.660 | 7 | ChromeMoly | Ford L6 300 |
| 55-6102 | 11/32 | 1.370 | 1.064 | 0.720 | 7 | ChromeMoly | Ford 260-302 |
| 55-6302 | 11/32 | 1.400 | 1.060 | 0.700 | 7 | ChromeMoly | |
| 55-8308 | 11/32 | 1.490 | 1.120 | 0.695 | 10 | Titanium | |
| 55-6308 | 11/32 | 1.490 | 1.120 | 0.695 | 10 | ChromeMoly | |
| 55-6303 | 11/32 | 1.490 | 1.124 | 0.695 | 7 | ChromeMoly | |
| 55-6455 | 3/8 | 1.310 | 0.825 | | 7 | ChromeMoly | Buick 455 |
| 55-6318 | 3/8 | 1.340 | 0.995 | 0.637 | 7 | ChromeMoly | Chry. 318 |
| 55-6201 | 3/8 | 1.400 | 1.060 | 0.885 | 7 | ChromeMoly | GM 396-454 |
| 55-6304 | 3/8 | 1.400 | 1.060 | 0.695 | 7 | ChromeMoly | |
| 55-6454 | 3/8 | 1.410 | 1.060 | 0.915 | 7 | ChromeMoly | GM 396-454 |
| 55-6305 | 3/8 | 1.490 | 1.120 | 0.695 | 7 | ChromeMoly | |
| 55-6360 | 5/16 | 1.144 | 0.820 | 0.660 | 7 | ChromeMoly | Chry. 360 |
| 55-6312 | 5/16 | 1.400 | 1.075 | 0.725 | 7 | ChromeMoly | |
| 55-6194 | 7mm | 0.890 | 0.620 | 0.550 | 7 | ChromeMoly | Ford 4.6L Late |
| 55-6294 | 7mm | 1.040 | 0.742 | 0.595 | 7 | ChromeMoly | Ford 4.6L Early |
| 55-6197 | 8mm | 0.980 | 0.595 | 0.532 | 7 | ChromeMoly | GM 2.2L 87-98 |
| 55-6103 | 8mm | 1.030 | 0.640 | | 7 | ChromeMoly | GM LS1 |
| 55-8103 | 8mm | 1.030 | | 0.640 | 7 | Titanium | GM LS1 |
| 55-6198 | 8mm | 1.038 | 0.618 | | 7 | ChromeMoly | GM 3.1L 94-98 |
| 55-6123 | 8mm | 1.230 | 0.860 | 0.600 | 7 | ChromeMoly | GM LS1 |
| 55-8130 | 8mm | 1.300 | 1.070 | 0.700 | 7 | Titanium | GM LS1 |
| 55-6130 | 8mm | 1.300 | 1.070 | 0.700 | 7 | ChromeMoly | GM LS1 |
| 55-8143 | 8mm | 1.430 | 1.060 | 0.690 | 7 | Titanium | GM LS1 |
| Import Performance | | | | | | | |
| 55-9012 | 5.5mm | 22.9mm | | 14.9mm | 7 | Titanium | Honda Civic D16Z6-Y5/7/8 VTEC |
| 55-9001 | 5.5mm | 28mm | 21.7mm | 15.4mm | 7 | Titanium | Honda Prelude H22A1-4 |
| 55-9000 | 5.5mm | 28mm | 21.7mm | 15.4mm | 7 | Titanium | Acura K20A2 |
| 55-9005 | 5.5mm | 28mm | 21.7mm | 15.4mm | 7 | Titanium | Acura/Honda B16A-3, B17A, B18C1-5 VTEC |
| 55-9006 | 6.5mm | 28.5mm | | 15.5mm | 6 | Titanium | Mitsubishi Eclipse 4G63-T |
| 55-9003 | 6.5mm | 28mm | | 15.5mm | 6 | Titanium | Mitsubishi 3000GT 6G72-T |
| 55-9008 | 6.5mm | 28mm | 21.6mm | 15.7mm | 7 | Titanium | Acura B18A1-B1 |
| 55-9009 | 6mm | 27.5mm | | 15.4mm | 6 | Titanium | Toyota Supra 2JZGE-T |
| 55-9019 | 6mm | 28.5mm | 21.3mm | 15.5mm | 6 | Titanium | Subaru WRX EJ20 |
| 55-9014 | 6mm | 28mm | 21.7mm | 15.4mm | 7 | Titanium | Dodge Neon DOHC |
| 55-6922 | 8mm | 1.295 | 0.904 | 0.600 | 7 | ChromeMoly | Toyota 22R |

QUALFAST HIGH PERFORMANCE SPRING INSERTS, CUPS, AND LOCATORS

All QualFast Valve Spring Inserts are manufactured with heat-retarding serrations. High Performance Inserts are designated with a -5 suffix and recognized by their blue color. HP Inserts are Case Hardened to prevent the valve spring from damaging the spring seat. 33-5*** series are Outside Cup Style to control spring walk. 33-*-L are Locator Style with an inside edge to keep the spring centered.

Part No Thickness O.D. I.D.

Part No Thickness O.D. I.D.

I.D. Locator



Valve Spring Insert



| | | | |
|------------------|-------|-------|-------|
| 33-8107-L | 0.070 | 0.813 | 0.608 |
| 33-8104-L | 0.630 | 1.120 | 0.483 |
| 33-8135-L | 0.030 | 1.135 | 0.435 |
| 33-8114-L | 0.090 | 1.140 | 0.606 |
| 33-8250-L | 0.060 | 1.250 | 0.569 |
| 33-8109-5 | 0.090 | 1.350 | 0.545 |
| 33-8535-L | 0.060 | 1.535 | 0.569 |
| 33-8550-L | 0.060 | 1.550 | 0.569 |
| 33-8570-L | 0.060 | 1.570 | 0.569 |
| 33-8620-L | 0.060 | 1.620 | 0.569 |

| | | | |
|------------------|-------|-------|-------|
| 33-2043-5 | 0.030 | 0.796 | 0.515 |
| 33-2046-5 | 0.060 | 0.796 | 0.515 |
| 33-2023-5 | 0.030 | 0.915 | 0.640 |
| 33-2026-5 | 0.060 | 0.915 | 0.640 |
| 33-1086-5 | 0.060 | 0.970 | 0.445 |
| 33-1063-5 | 0.030 | 1.100 | 0.719 |
| 33-1066-5 | 0.060 | 1.100 | 0.719 |
| 33-8806-5 | 0.060 | 1.170 | 0.600 |
| 33-1053-5 | 0.030 | 1.218 | 0.875 |
| 33-1073-5 | 0.030 | 1.250 | 0.625 |
| 33-2033-5 | 0.030 | 1.250 | 0.812 |
| 33-8016-5 | 0.060 | 1.250 | 0.812 |
| 33-2036-5 | 0.060 | 1.250 | 0.812 |
| 33-2013-5 | 0.030 | 1.250 | 0.875 |
| 33-2016-5 | 0.060 | 1.250 | 0.875 |
| 33-1026-5 | 0.060 | 1.360 | 1.000 |
| 33-3013-5 | 0.030 | 1.375 | 0.765 |
| 33-3016-5 | 0.060 | 1.375 | 0.765 |
| 33-3063-5 | 0.030 | 1.437 | 0.645 |
| 33-3066-5 | 0.060 | 1.437 | 0.645 |
| 33-3053-5 | 0.030 | 1.437 | 0.785 |
| 33-3056-5 | 0.060 | 1.437 | 0.785 |
| 33-3033-5 | 0.030 | 1.480 | 0.703 |
| 33-3036-5 | 0.060 | 1.480 | 0.703 |
| 33-6033-5 | 0.030 | 1.500 | 0.562 |
| 33-6023-5 | 0.030 | 1.500 | 0.765 |
| 33-1033-5 | 0.030 | 1.500 | 1.031 |
| 33-1036-5 | 0.060 | 1.500 | 1.031 |
| 33-6013-5 | 0.030 | 1.640 | 0.635 |
| 33-6016-5 | 0.060 | 1.640 | 0.635 |

Outside Cup

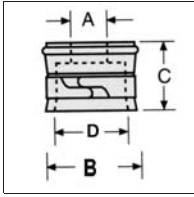


| | | | |
|------------------|-------|-------|-------|
| 33-5105 | 1.050 | 1.150 | 0.610 |
| 33-5118 | 1.120 | 1.160 | 0.607 |
| 33-5110 | 0.090 | 1.170 | 0.607 |
| 33-5103 | 0.183 | 1.200 | 0.664 |
| 33-5056 | 0.060 | 1.265 | 0.821 |
| 33-5026-5 | 0.060 | 1.390 | 1.000 |
| 33-5026 | 0.060 | 1.390 | 1.000 |
| 33-5076-5 | 0.060 | 1.475 | 0.645 |
| 33-5036-5 | 0.060 | 1.520 | 1.031 |
| 33-5066-5 | 0.060 | 1.530 | 0.645 |
| 33-5440 | 0.060 | 1.550 | 0.690 |
| 33-5126-5 | 0.060 | 1.613 | 0.570 |
| 33-5510 | 0.080 | 1.630 | 0.640 |
| 33-5565 | 0.080 | 1.680 | 0.640 |
| 33-5146 | 0.060 | 1.700 | 0.570 |
| 33-5650 | 0.080 | 1.750 | 0.640 |

QUALFAST HIGH PERFORMANCE VALVE STEM SEALS

HP

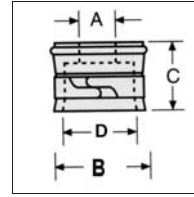
H.P. Polymer



| Part No | Nom. Stem Dia. | Nom. Guide O.D. | A | B | C | D |
|------------|----------------|-----------------|-------|-------|-------|-------|
| 38-1007-90 | 11/32 | 0.530 | 0.336 | 0.630 | 0.458 | 0.523 |
| 38-1006-90 | 11/32 | 0.500 | 0.339 | 0.604 | 0.505 | 0.488 |
| 38-1008-90 | 3/8 | 0.530 | 0.373 | 0.625 | 0.459 | 0.513 |

TE

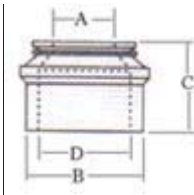
All Teflon



| Part No | Nom. Stem Dia. | Nom. Guide O.D. | A | B | C | D |
|------------|----------------|-----------------|-------|-------|-------|-------|
| 38-1046-75 | 5/16 | 0.530 | 0.292 | 0.640 | 0.510 | 0.512 |
| 38-1053-75 | 5/16 | 0.415 | 0.293 | 0.500 | 0.510 | 0.390 |
| 38-1072-75 | 5/16 | 0.430 | 0.297 | 0.520 | 0.370 | 0.403 |
| 38-1090-75 | 11/32 | 0.500 | 0.319 | 0.640 | 0.510 | 0.470 |
| 38-1100-75 | 11/32 | 0.562 | 0.320 | 0.660 | 0.510 | 0.527 |
| 38-1066-75 | 11/32 | 0.530 | 0.328 | 0.630 | 0.510 | 0.509 |
| 38-1067-75 | 3/8 | 0.530 | 0.349 | 0.630 | 0.510 | 0.508 |
| 38-1091-75 | 3/8 | 0.500 | 0.354 | 0.600 | 0.510 | 0.474 |

MC

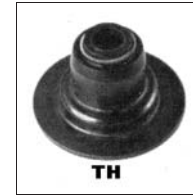
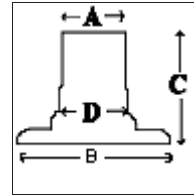
Metal Clad



| Part No | Nom. Stem Dia. | Nom. Guide O.D. | A | B | C | D |
|------------|----------------|-----------------|-------|-------|-------|-------|
| 38-592-55 | 5.5mm | 0.477 | 0.216 | 0.507 | 0.390 | 0.433 |
| 38-996-55 | 6.5mm | 0.475 | 0.225 | 0.582 | 0.480 | 0.465 |
| 38-569-45 | 6.5mm | 0.476 | 0.237 | 0.541 | 0.410 | 0.470 |
| 38-997-45 | 7mm | 0.476 | 0.250 | 0.562 | 0.517 | 0.471 |
| 38-802-45 | 5/16 | 0.531 | 0.272 | 0.677 | 0.516 | 0.519 |
| 38-804-45 | 5/16 | 0.502 | 0.275 | 0.623 | 0.531 | 0.491 |
| 38-8500-55 | 5/16 | 0.500 | 0.275 | 0.546 | 0.498 | 0.497 |
| 38-8530-55 | 5/16 | 0.530 | 0.275 | 0.575 | 0.498 | 0.527 |
| 38-805-55 | 8mm | 0.500 | 0.280 | 0.608 | 0.502 | 0.491 |
| 38-967-55 | 8mm | 0.514 | 0.280 | 0.610 | 0.398 | 0.503 |
| 38-107-55 | 11/32 | 0.500 | 0.300 | 0.635 | 0.530 | 0.482 |
| 38-108-45 | 11/32 | 0.502 | 0.303 | 0.620 | 0.524 | 0.495 |
| 38-532-55 | 11/32 | 0.531 | 0.303 | 0.674 | 0.527 | 0.523 |
| 38-806-55 | 11/32 | 0.562 | 0.303 | 0.660 | 0.513 | 0.553 |
| 38-9500-55 | 11/32 | 0.500 | 0.304 | 0.546 | 0.498 | 0.497 |
| 38-9530-55 | 11/32 | 0.530 | 0.304 | 0.575 | 0.498 | 0.527 |
| 38-403-45 | 3/8 | 0.625 | 0.335 | 0.741 | 0.530 | 0.617 |
| 38-371-45 | 11/32 | 0.552 | 0.338 | 0.676 | 0.493 | 0.546 |
| 38-375-55 | 3/8 | 0.531 | 0.338 | 0.677 | 0.520 | 0.516 |
| 38-373-55 | 3/8 | 0.500 | 0.340 | 0.623 | 0.530 | 0.488 |
| 38-377-45 | 3/8 | 0.562 | 0.343 | 0.661 | 0.516 | 0.553 |

TH

Top Hat



| Part No | Nom. Stem Dia. | Nom. Guide O.D. | A | B | C | D |
|------------|----------------|-----------------|-------|-------|-------|-------|
| 38-3500-45 | 6mm | 0.395 | 0.210 | 0.382 | 0.625 | 0.390 |
| 38-111-45 | 7mm | 0.495 | 0.243 | 1.108 | 0.804 | 0.488 |
| 38-901-45 | 0.313 | 0.500 | 0.282 | 1.185 | 0.884 | 0.490 |
| 38-900-45 | 0.314 | 0.500 | 0.286 | 1.187 | 0.887 | 0.492 |

Material Denoted by Suffix:
 -45, 55 Viton/Metal
 -75 All Teflon

-90 High Performance Polymer

Please Refer To Our QualCast Catalog for over 200 additional stem seals in various materials.

QUALFAST HIGH PERFORMANCE WATER PUMPS

* Precision Closed-Vane Impellers for Maximum Output

* Precision Ground Fan Hubs for perfect pulley alignment

* Heavy Duty Ball-Roller Bearings or Ball-Ball Bearings

Higher flow and pressure for better cooling!!

*Aluminum or Phosphorous-Manganese Coating provides a Professional Finish

*Zinc Coated Backplates and Bolts Resist Corrosion

* Ceramic Seal Assemblies for Extended Service Life

| Application | Part No | Material | Hub Height | A: Hole Dia. or Thread | B: Hole Dia. or Thread | C: Hose I.D. | |
|---|---|------------------------------|----------------|------------------------|------------------------|--------------|------------|
| CHC | SB V8 304, 360, 401 '73-91 | 58-3401 | Aluminum | 4.800 | 15/16 | 15/16 | 7/8 |
| | SB V8 318, 340, 360 '70-92 | 58-7103 | Aluminum | 5.547 | 11/16 | 1 | 1-3/4 |
| FORD | SB V8 289, 302, 351W '65-77 | 58-1028 | Aluminum | 5.440 | 5/8 | 5/8 | 1-3/4 |
| | BB FE V8 330, 352, 360, 390, 410, 427, 428 '65-76 | 58-1075 | Grey Iron | 7.600 | 1/2-14 NPT | 5/8 | 2.0 |
| | SB V8 302, 351W '80-91 | 58-4014 | Grey Iron | 5.700 | 3/4 | 5/8 | 1-3/4 |
| | SB V8 255, 302 '79-85 | 58-4024 | Aluminum | 5.735 | 5/8 | 11/16 | 1-3/4 |
| | SB V8 255, 302, 351W Reverse R'tion | 58-4038 | Aluminum | 5.734 | 5/8 | 11/16 | 1-3/4 |
| | SB V8 302, 351W '87-96 | 58-4044 | Aluminum | 5.735 | 5/8 | 5/8 | 1-3/4 |
| | SB V8 255, 302, 351W '79-91 | 58-4052 | Aluminum | 5.734 | 3/4 | 5/8 | 1-3/4 |
| | GM | SB 396, 402, 427, 454 '69-97 | 58-1002 | Grey Iron | 7.287 | 1/2-14 NPT | 1/2-14 NPT |
| SB 350, V6 196, 231, 252 '73-89 | | 58-1018 | Grey Iron | 4.550 | 3/4 | N/A | 1-1/2 |
| SB 265, 283, 302, 307, 327, 350, 400 '69-76 | | 58-1109 | Grey Iron | 6.932 | 1/2-14 NPT | N/A | 1-3/4 |
| SB 260, 307, 350, 403, 455 '71-90 | | 58-1120 | Grey Iron | 5.950 | 3/4 | 3/4 | 1-1/2 |
| SB 265, 283, 302, 307, 327, 350, 400 '69-76 | | 58-1121 | Grey Iron | 6.932 | 1/2-14 NPT | N/A | 1-3/4 |
| SB 265, 283, 302, 307, 327, 350, 400 '72-96 | | 58-1121A | Aluminum | 6.932 | 1/2-14 NPT | N/A | 1-3/4 |
| SB V8 265, 283, 302, 307, 327, 350, 400 Reverse R'tion '84-91 | | 58-5016 | Aluminum | 5.800 | 1/2-14 NPT | N/A | 1-1/2 |
| SB 396, 402, 427, 454 '65-72 | | 58-5019 | Aluminum | 5.752 | 1/2-14 NPT | 1/2-14 NPT | 2.0 |
| BB 454 '88-00 | | 58-5038 | Grey Iron | 7.287 | 1/2-14 NPT | 1/2-14 NPT | 1-3/4 |
| SB 265, 283, 302, 307, 327, 350, 400 '92-93 | | 58-5044 | Aluminum | 5.795 | 3/4-14 NPT | 1/2-14 NPT | 1-3/4 |
| SB 305, 350 & V6 262 '87-96 | | 58-5049 | Grey Iron | 6.932 | 1/2-14 NPT | N/A | 1-3/4 |
| L6 194, 230, 250, 292 '63-78 | | 58-895 | Aluminum | 3.900 | 7/8 | N/A | 1-3/4 |
| SB 265, 283, 302, 307, 327, 350, 400 '55-72 | | 58-898 | Grey Iron | 5.659 | 1/2-14 NPT | 3/4-14 NPT | 1-13/16 |
| SB 265, 283, 302, 307, 327, 350, 400 '55-72 | | 58-898A | Aluminum | 5.659 | 1/2-14 NPT | 3/4-14 NPT | 1-13/16 |
| SB 265, 283, 302, 307, 327, 350, 400 '71-90 | | 58-984 | Grey Iron | 5.795 | 1/2-14 NPT | 3/4-14 NPT | 1-3/4 |
| SB 265, 283, 302, 307, 327, 350, 400 '71-90 | | 58-984A | Aluminum | 5.795 | 1/2-14 NPT | 3/4-14 NPT | 1-3/4 |

QUALFAST HIGH PERFORMANCE KEEPERS

QualFast High Performance Keepers are all heat treated and are designed to fit with our retainers and valves.



| Part No | Stem | No. Beads | Type | Application |
|-----------|-------|-----------|--------|---------------------------|
| 34-5024 | 0.215 | 1 | Round | FOC, HON 5.5mm |
| 34-719 | 0.234 | 1 | Round | Chr, Mit. 6mm |
| 34-235 | 0.258 | 1 | Round | Mit, Hon 6.5mm |
| 34-281 | 0.275 | 3 | Round | Ford 7mm |
| 34-217 | 0.314 | 1 | Round | Chyr., GM 8mm |
| 34-10555L | 0.341 | 1 | Square | 11/32 10 Deg for Lash Cap |
| 34-10555 | 0.341 | 1 | Square | 11/32 10 Deg |
| 34-555 | 0.341 | 1 | Square | Universal 11/32 |
| 34-613 | 0.372 | 1 | Square | Universal 3/8 |

QualFast brand represents the high performance side of QualCast, a major supplier of valve train parts for the aftermarket, Worldwide. This selection of products and specifications has been painstakingly researched, and made in conjunction with our factories and our customers. Many trophies have been won by teams using QualFast brand products and championships gained. A Land Speed Record was achieved using QualFast valves and keepers during a Speed Week at Bonneville Salt Flats in the H/GCC class. If there is a performance application that you require that is not listed, please call, we may be able to source it or make it for you.

RACE WITH CONFIDENCE