



2020 PERFORMANCE CATALOG



BLACK DIESEL PERFORMANCE
LIGHTNING
VALVES

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QUALFAST PERFORMANCE CYLINDER HEADS









New Performance Cylinder Heads are individually cast using the latest techniques. All machined surfaces are performed by CNC, including bolt holes, to achieve extreme accuracy in finishing. OEM bolt patterns are used for compatibility.

Meets and exceeds OEM specifications

Custom-designed heads

Chambers designed for improved flow

Heat-treated T6 Aluminum

Photo	Part No Application	Intake Runner CC Exhaust Runner CC	Chamber CC Plugs	Intake Shape Exhaust Shape	Note
	15-120011 SBC Aluminum	196 69	64 Straight	Rectangle Rectangle	
	15-121231 LS1 Aluminum	212 76	57 Angle	Cathedral Irregular	
	15-125041 LS3 Aluminum	250 82	57 Angle	Rectangle Irregular	
	15-125551 LS7 Aluminum	255 85	59 Angle	Rectangle Irregular	
	15-132722 BBC Oval Aluminum	327 146	119 Angle	Oval Rectangle	Accepts 75-107 or 75-700 Guide Plate
	15-133021 BBC Aluminum	330 123	126 Angle	Rectangle Irregular	Accepts 75-107 or 75-700 Guide Plate
	15-219011 SBF Aluminum	190 74	60 Angle	Rectangle Rectangle	289, 302 Requires 1/2"-7/16" Stepped Head Bolt
	15-226521 BBF Aluminum	265 95	87 Angle	Oval Irregular	Wider Push Rod Bores

QUALFAST PERFORMANCE CYLINDER HEAD KITS

Head Kits are for one engine and can be customized with your requested components.
The below kits are examples with common components.



Kit #	Description Notes	Springs-16	Retainers-16	Spring Cup-16	Keepers-32	Stem Seal-16
		Cyl. Heads-2	Exh. Valve-8	Int. Valve-8	Guide Plate-8	Rock. Stud-16
Small Block Chevrolet						
15-120011-K01	SBC Std. 53-	52-10010	55-6100	33-5270	34-555	38-532-55
		15-120011	53-100160	53-100202	75-100	42-4920
15-120011-K02	SBC +100 53-	52-27270	55-6302	33-5126-5	34-555	38-532-55
		15-120011	53-1001601	53-1002021	75-100	42-4920
15-120011-K06	SBC Std. 77-	52-10010	55-6100	33-5270	34-555	38-532-55
		15-120011	77-160001	77-202001	75-100	42-4920
15-120011-K11	SBC +100 53-	52-57470	55-6100	33-5270	34-555	38-532-55
		15-120011	53-1001601	53-1002021	75-100	42-4920
15-120011-K16	SBC +100 77-	52-57470	55-6100	33-5270	34-555	38-532-55
		15-120011	77-160101	77-202101	75-100	42-4920
LS1						
15-121231-K01	LS1 53- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-121231	53-108157	53-108202		
15-121231-K02	LS1 53- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-121231	53-108157	53-108202		
15-121231-K06	LS1 77- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-121231	77-160008	77-202008		
15-121231-K07	LS1 77- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-121231	77-160008	77-202008		
LS3						
15-125041-K01	LS3 53- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-125041	53-108159	53-108216		
15-125041-K02	LS3 53- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-125041	53-108159	53-108216		

QUALFAST PERFORMANCE CYLINDER HEAD KITS

Kit #	Description Notes	Springs-16	Retainers-16	Spring Cup-16	Keepers-32	Stem Seal-16
		Cyl. Heads-2	Exh. Valve-8	Int. Valve-8	Guide Plate-8	Rock. Stud-16
LS3 (Continued)						
15-125041-K03	LS3 53- Dual Machined Keeper, Titanium Retainer	52-65810	55-8123	33-8251-L	34-7005	38-900-45
		15-125041	53-108159	53-108216		
15-125041-K06	LS3 77- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-125041	77-159038	77-216038		
15-125041-K07	LS3 77- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-125041	77-159038	77-216038		
LS7						
15-125551-K01	LS7 53- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-125551	53-108161	53-108221		
15-125551-K02	LS7 53- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-125551	53-108161	53-108221		
15-125551-K06	LS7 77- Conical	52-65000	55-6103	33-8251-L	34-5005	38-900-45
		15-125551	77-161078	77-220078		
15-125551-K02	LS7 77- Dual	52-65810	55-6922	33-8251-L	34-5005	38-900-45
		15-125551	77-161078	77-220078		
Big Block Chevrolet Oval Port						
15-132722-K21	BBC Oval 53- Longer Int. Valve, May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-132722	53-1001881	15-1022525	75-700	42-2941
15-132722-K21	BBC Oval 77- Longer Int. Valve, May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-132722	77-188101	77-225251	75-700	42-2941
Big Block Chevrolet Rectangle Port						
15-133021-K01	BBC Rect. + 53- Longer Int. Valve, May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-133021	53-100188	53-1002251	75-700	42-2941
15-133021-K02	BBC Rect. Std. 53- May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-133021	53-100188	53-100225	75-700	42-2941
15-133021-K21	BBC Rect. + 53- Longer Int. Valve, May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-133021	53-1001881	53-1022525	75-700	42-2941
15-133021-K26	BBC Rect. + 77- Longer Int. Valve, May Req. Rotator Eliminator	52-46970	55-6303	33-5146	34-555	38-532-55
		15-133021	77-188101	77-225251	75-700	42-2941
Small Block Ford						
15-219011-K01	SBF 53-	52-27270	55-6302	33-5126-5	34-555	38-532-55
		15-219011	53-1001601	53-1002021	75-110	42-2940
15-219011-K02	SBF 53-	52-27410	55-6302	33-5126-5	34-555	38-532-55
		15-219011	53-1001601	53-1002021	75-110	42-2940
15-219011-K03	SBF 53-	52-27270	55-6302	33-5126-5	34-555	38-532-55
		15-219011	53-1001601	53-1002021	75-110	42-4920
15-219011-K06	SBF 77-	52-27410	55-6302	33-5126-5	34-555	38-532-55
		15-219011	77-160021	77-202021	75-110	42-2940
Big Block Ford						
15-226521-K01	BBF 53-	52-46970	55-6303	33-5146	34-555	38-532-55
		15-226521	53-534178	53-541219	75-112	42-2940
15-226521-K06	BBF 77-	52-46970	55-6303	33-5146	34-555	38-532-55
		15-226521	77-176041	77-219041	75-112	42-2940

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	No. Grv	Note
Small Block Chevrolet							
53-100150	1.500	4.910	0.3414	Exh	0.250	1	
53-120150	1.500	4.910	0.3414	Exh	0.290	2	
53-100150+3	1.500	4.910	0.3445	Exh	0.250	1	
53-120160	1.600	4.898	0.3414	Exh	0.290	2	
53-100160	1.600	4.930	0.3414	Exh	0.250	1	
53-100160+3	1.600	4.930	0.3445	Int	0.250	1	
53-1001601	1.600	5.020	0.3414	Exh	0.250	1	
53-100163	1.625	4.908	0.3414	Exh	0.250	1	
53-120184	1.835	4.903	0.3414	Int	0.250	2	
53-120194	1.940	4.870	0.3414	Int	0.250	1	
53-100194	1.940	4.910	0.3414	Int	0.250	1	
53-100194+3	1.940	4.910	0.3445	Int	0.250	1	
53-1001941	1.940	5.010	0.3414	Int	0.250	1	
53-120202	2.020	4.890	0.3414	Int	0.250	2	
53-100202	2.020	4.910	0.3414	Int	0.250	1	
53-100202+3	2.020	4.910	0.3445	Int	0.250	1	
53-1002021	2.020	5.010	0.3414	Int	0.250	1	
53-100205	2.057	4.910	0.3414	Int	0.250	1	
53-1002051	2.057	5.010	0.3414	Int	0.250	1	
53-100208	2.081	4.910	0.3414	Int	0.250	1	
53-1002081	2.081	5.010	0.3414	Int	0.250	1	
Chevrolet LS							
53-108157	1.570	4.920	0.3134	Exh	0.160	1	LS1
53-158159	1.590	5.450	0.3135	Exh	0.341	1	LS3, 21-4N Matl.
53-108159	1.593	4.914	0.3136	Exh	0.204	1	LS3
53-108161	1.613	5.226	0.3134	Exh	0.334	1	LS7, 21-4N Matl.
53-108202	2.020	4.880	0.3138	Int	0.160	1	LS1
53-108216	2.165	4.890	0.3135	Int	0.225	1	LS3
53-158216	2.165	5.450	0.3135	Int	0.340	1	LS3 Int. 21-4N
53-108221	2.205	5.226	0.3134	Int	0.334	1	LS7, 21-4N Matl.
Big Block Chevrolet							
53-500175	1.720	5.354	0.3710	Exh	0.220	1	
53-100188	1.880	5.350	0.3414	Exh	0.220	1	
53-500188	1.880	5.360	0.3719	Exh	0.220	1	
53-1001881	1.880	5.450	0.3414	Exh	0.220	1	
53-1018815	1.880	5.500	0.3414	Exh	0.220	2	
53-500207	2.065	5.217	0.3719	Int	0.220	1	
53-500219	2.190	5.217	0.3719	Int	0.220	1	
53-100225	2.250	5.217	0.3414	Int	0.220	1	
53-500225	2.250	5.236	0.3710	Int	0.220	1	

Part No	Head Diameter	Length	Stem Diameter	I/E	Tip	No. Grv	Note
53-1002251	2.250	5.317	0.3414	Int	0.220	1	
53-1022525	2.250	5.467	0.3414	Int	0.220	1	
Olds / Pontiac V8							
53-350163	1.625	4.711	0.3410	Exh	0.250	1	
53-350173	1.720	4.695	0.3415	Exh	0.250	1	
53-401177	1.770	5.090	0.3414	Exh	0.220	1	
53-402177	1.770	5.220	0.3414	Exh	0.220	2	
53-350207	2.070	4.673	0.3415	Int	0.250	1	45 Deg.
53-401211	2.110	5.090	0.3414	Int	0.220	1	30 Deg
53-402211	2.110	5.210	0.3414	Int	0.220	2	30 Deg
Small Block Ford							
53-525154	1.540	5.075	0.3410	Exh	0.400	1	
53-527160	1.600	5.074	0.3410	Exh	0.400	1	
53-531166	1.655	5.070	0.3414	Exh	0.270	1	
53-529177	1.710	5.047	0.3414	Exh	0.220	1	
53-526184	1.840	5.070	0.3410	Int	0.390	1	
53-528190	1.900	5.079	0.3414	Int	0.400	1	
53-532204	2.041	5.225	0.3414	Int	0.256	1	
NEW Ford 4.6L & 5.4L SOHC 2V							
53-564141	1.418	4.650	0.2740	Exh	0.470	3	
53-564175	1.752	4.705	0.2750	Int	0.470	3	
NEW Ford 4.6L & 5.4L DOHC 4V							
53-565118	1.181	4.587	0.2740	Exh	0.425	3	
53-565145	1.457	5.339	0.2750	Int	0.620	3	
Ford Big Block							
53-535156	1.556	5.445	0.3705	Exh	0.320	1	
53-537166	1.655	5.434	0.3705	Exh	0.320	1	
53-541175	1.740	5.070	0.3414	Exh	0.346	1	
53-539173	1.752	5.434	0.3710	Exh	0.321	1	
53-547176	1.760	4.970	0.3410	Exh	0.400	1	
53-534178	1.780	5.070	0.3414	Exh	0.400	1	
53-546208	2.083	5.206	0.3414	Int	0.340	1	
53-536209	2.090	5.449	0.3705	Int	0.305	1	30 Deg.
53-530219	2.190	5.225	0.3414	Int	0.280	1	
53-540219	2.190	5.445	0.3710	Int	0.320	1	
53-541219	2.195	5.242	0.3421	Int	0.274	1	
53-548225	2.250	5.224	0.3410	Int	0.345	1	
53-542225	2.250	5.298	0.3410	Int	0.290	1	Not SS, Int. Matl.
Chrysler Small Block							
53-700160	1.600	5.005	0.3710	Exh	0.214	4	
53-700202	2.020	4.986	0.3710	Int	0.210	4	
Chrysler Big Block							
53-720174	1.740	4.880	0.3719	Exh	0.220	4	
53-720209	2.090	4.880	0.3719	Int	0.280	2	
NEW Chrysler / Dodge 5.7L Hemi							
53-756155	1.555	4.845	0.3120	Exh	0.120	3	
53-757155	1.555	5.125	0.3120	Exh	0.120	3	
53-756200	2.000	4.955	0.3125	Int	0.120	3	
53-757205	2.050	5.176	0.3125	Int	0.120	3	
NEW Subaru 2.0L DOHC EJ205, 2.5L EJ257							
53-625128	1.260	4.124	0.2345	Exh	0.138	1	
53-625126	1.260	4.124	0.2345	Exh	0.138	1	
53-625141	1.417	4.118	0.2345	Int	0.138	1	

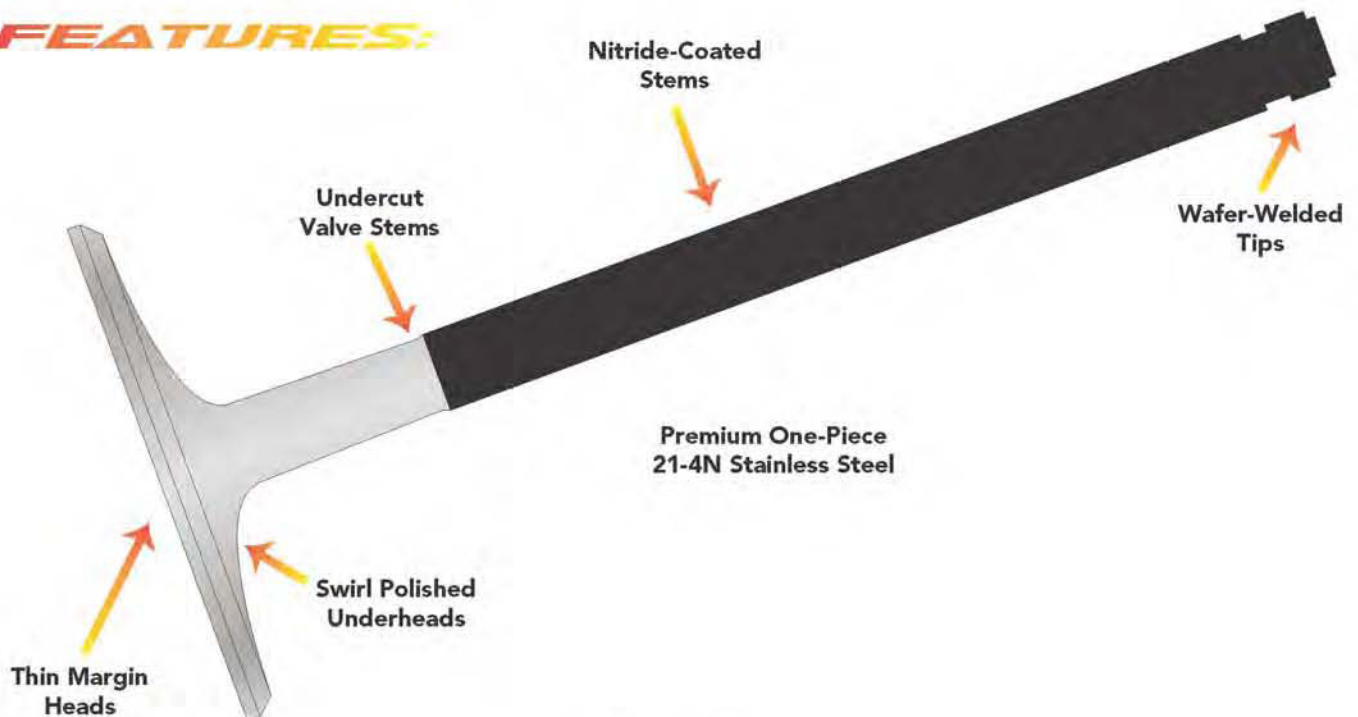


Black Lightning racing valves are forged from premium 21-4N stainless steel. They have undercut stems and swirl polished heads to help the flow of both fuel and exhaust gasses going into and exiting the engine combustion chamber. The heads are also designed with thinner margins to reduce weight and inertia.

Black Lightning valves also feature a unique nitride coating which is better than chrome for higher revving race engines producing less friction, exceptional wear resistance, and increased strength and ductility. Our Plasma Nitriding process is superior to both the gas nitriding process and the salt bath process used by other valve manufacturers, because it imparts a very hard, wear resistant surface without the need to remove a brittle layer associated with traditional nitriding. It gives consistent hardness and depth, and it has the least affect on the surface finish, maintaining the valve steel core properties due to lower processing temperature.

From stem to head these race quality valves are engineered to perform in the most demanding pro race engine environments guaranteeing you one hell of a white knuckle ride.

FEATURES:



QUALFAST BLACK LIGHTNING RACING VALVES

Part No	Head Diameter	Length	Stem Diameter	I/E	Tip	Note
Small Block Chevrolet						
77-150001	1.500	4.910	0.3410	Exh	0.250	
77-160001	1.600	4.925	0.3410	Exh	0.250	
77-160101	1.600	5.025	0.3410	Exh	0.250	+100
77-160201	1.600	5.125	0.3410	Exh	0.250	+200
77-163101	1.625	5.025	0.3410	Exh	0.250	
77-194001	1.940	4.910	0.3410	Int	0.250	
77-202001	2.020	4.920	0.3410	Int	0.250	
77-202101	2.020	5.020	0.3410	Int	0.250	+100
77-202201	2.020	5.120	0.3410	Int	0.250	+200
77-206101	2.055	5.020	0.3410	Int	0.250	+100
77-208101	2.080	5.020	0.3410	Int	0.250	+100
Chevrolet LS						
77-157008	1.570	4.910	0.3134	Exh	0.160	LS1
77-159038	1.590	4.914	0.3136	Exh	0.204	LS3
77-160008	1.600	4.910	0.3134	Exh	0.160	LS1
77-161078	1.613	5.226	0.3134	Exh	0.334	LS7
77-202008	2.020	4.870	0.3138	Int	0.160	LS1
77-206008	2.055	4.870	0.3138	Int	0.160	LS1
77-216038	2.165	4.890	0.3135	Int	0.225	LS3
77-220078	2.205	5.226	0.3134	Int	0.334	LS7
Big Block Chevrolet						
77-173003	1.725	5.350	0.3710	Exh	0.220	
77-188001	1.880	5.350	0.3410	Exh	0.220	
77-188101	1.880	5.450	0.3410	Exh	0.220	+100
77-188003	1.880	5.350	0.3710	Exh	0.220	
77-207003	2.065	5.220	0.3710	Int	0.220	
77-219003	2.190	5.220	0.3710	Int	0.220	
77-225101	2.250	5.320	0.3410	Int	0.220	+100
77-225251	2.250	5.470	0.3410	Int	0.220	+250
77-225003	2.250	5.220	0.3710	Int	0.220	
77-230101	2.300	5.320	0.3410	Int	0.220	+100
77-230251	2.300	5.470	0.3410	Int	0.220	+250
Small Block Ford						
77-160021	1.600	5.090	0.3410	Exh	0.395	
77-202021	2.020	5.090	0.3410	Int	0.395	
NEW Ford "Coyote" 5.0L DOHC 4V						
77-122250	1.220	4.274	0.2340	Exh	0.305	
77-146250	1.457	4.722	0.2355	Int	0.365	
Ford Big Block						
77-176041	1.760	5.050	0.3410	Exh	0.340	
77-219041	2.190	5.242	0.3410	Int	0.274	



Our Black Lightning diesel performance valves are designed for maximum efficiency, withstanding the extreme conditions of a turbo diesel engine.

The exhaust valves utilize an Inconel 751 head. This Super Alloy has a very high nickel content.

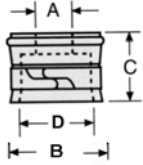
Intake valves have 21-4N stainless steel heads. Both our intake and exhaust valves employ a mid-stem 'friction weld'.

All Black Lightning diesel performance valves have a hardened tip and a black nitride finish to the entire valve, including the top of the head. The seat face remains precision machined.

Part No	Head Diameter	Length	Stem Diameter	I/E	Tip
Dodge/CUM 5.9L 12V					
77-165008	1.654	5.081	0.3132	Exh	0.236
77-177008	1.772	5.084	0.3138	Int	0.236
Dodge/CUM 5.9L 24V ISB					
77-129017	1.299	4.893	0.2746	Exh	0.300
77-129007	1.299	4.907	0.2756	Int	0.299
Ford 6.0L Powerstroke					
77-110007	1.102	5.059	0.2735	Exh	0.358
77-133008	1.339	5.059	0.2738	Int	0.358
Ford 6.4L Powerstroke					
77-116007	1.161	5.138	0.2734	Exh	0.433
77-133007	1.339	5.138	0.2738	Int	0.433
Ford 6.7L Powerstroke					
77-119007	1.195	5.242	0.2748	Exh	0.699
77-133017	1.331	5.242	0.2744	Int	0.699
GM 6.6L Duramax					
77-122007	1.220	4.965	0.2730	Exh	0.519
77-129057	1.299	4.975	0.2735	Int	0.519

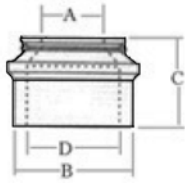
QUALFAST HIGH PERFORMANCE VALVE STEM SEALS

HP H.P. Polymer



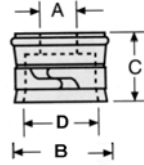
Part No	Nom. Stem Dia.	Nom. Guide O.D.	A	B	C	D
38-1007-90	11/32	0.530	0.336	0.630	0.458	0.523
38-1006-90	11/32	0.500	0.339	0.604	0.505	0.488
38-1008-90	3/8	0.530	0.373	0.625	0.459	0.513

MC Metal Clad



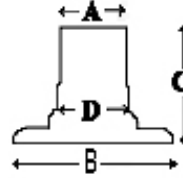
Part No	Nom. Stem Dia.	Nom. Guide O.D.	A	B	C	D
38-592-55	0.216	0.436	0.187	0.507	0.393	0.429
38-996-55	0.260	0.472	0.225	0.582	0.480	0.465
38-997-45	0.275	0.476	0.235	0.562	0.517	0.470
38-569-45	0.260	0.476	0.237	0.541	0.410	0.470
38-802-45	0.313	0.531	0.272	0.677	0.516	0.519
38-3995-55	0.315	0.428	0.274	0.556	0.412	0.408
38-804-45	0.313	0.502	0.275	0.623	0.531	0.491
38-8500-55	0.313	0.500	0.275	0.546	0.498	0.497
38-8530-55	0.313	0.531	0.275	0.575	0.498	0.527
38-967-55	0.315	0.514	0.280	0.610	0.398	0.503
38-371-45	0.344	0.552	0.295	0.671	0.496	0.543
38-107-55	0.344	0.500	0.300	0.635	0.530	0.482
38-805-55	0.315	0.500	0.300	0.662	0.515	0.491
38-108-45	0.344	0.502	0.303	0.620	0.524	0.494
38-532-55	0.344	0.531	0.303	0.674	0.527	0.523
38-9500-55	0.344	0.500	0.304	0.546	0.498	0.497
38-9530-55	0.344	0.530	0.304	0.575	0.498	0.527
38-806-55	0.344	0.562	0.307	0.661	0.518	0.550
38-805-45	0.344	0.562	0.308	0.6615	0.5145	0.544
38-403-45	0.375	0.625	0.335	0.741	0.530	0.617
38-375-55	0.375	0.530	0.338	0.677	0.520	0.516
38-373-55	0.375	0.500	0.340	0.623	0.530	0.488
38-377-45	0.375	0.562	0.343	0.661	0.516	0.553

TE All Teflon



Part No	Nom. Stem Dia.	Nom. Guide O.D.	A	B	C	D
38-1046-75	0.313	0.530	0.292	0.640	0.510	0.512
38-1053-75	0.313	0.415	0.293	0.500	0.510	0.390
38-1090-75	11/32	0.500	0.319	0.640	0.510	0.470
38-1066-75	11/32	0.530	0.328	0.630	0.510	0.509
38-1067-75	11/32	.524	0.340	0.630	0.510	0.502
38-1091-75	3/8	0.500	0.354	0.600	0.510	0.474

TH Top Hat



Part No	Nom. Stem Dia.	Nom. Guide O.D.	A	B	C	D
38-3500-45	0.236	0.395	0.210	0.382	0.625	0.390
38-111-45	0.275	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 -45, 55 Viton/Metal
Denoted by
Suffix: -75 All Teflon

-90 High Performance Polymer

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

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 25 Rockwell C.



Part No	I.D.	O.D.	Length	SealOD	FlangeOD	Part No	I.D.	O.D.	Length	SealOD	FlangeOD
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Material: MANGANESE BRONZE

Chevrolet LS

31-4041	0.3149	0.500	2.125		
31-4019	0.315	0.500	2.000	0.500	0.562
31-4043	0.315	0.500	2.106		
31-4042	0.315	0.500	2.126		
31-2018	0.315	0.502	2.322	0.502	0.562
31-4020	0.315	0.530	2.000	0.530	0.562

Ford 4.6L 7mm Valve Stem

31-4031	0.275	0.494	1.835	0.530	0.560
31-4032	0.275	0.494	1.975	0.472	0.610
31-4033	0.275	0.494	2.100	0.472	0.610
31-4034	0.275	0.495	1.805	0.531	0.610

Universal

31-8560	0.2360	0.495	1.890		
31-8274	0.2765	0.495	1.930		
31-4026	0.310	0.502	2.250	0.530	0.562
31-6872	0.311	0.439	2.281		
31-7359	0.3150	0.476	1.450		
31-4017	0.340	0.502	1.950	0.531	0.531
31-4013	0.340	0.502	2.100	0.531	0.531
31-4024	0.340	0.502	2.250	0.530	0.562
31-4015	0.340	0.503	2.125	0.530	0.562
31-4016	0.341	0.502	1.920	0.530	0.562
31-4011	0.341	0.502	2.125	0.530	0.562
31-4002	0.341	0.502	2.234	0.530	0.562

Parts 31-4040 through 31-4049 are replacement guides for 15- Aluminum Heads from QualFast



Part No	I.D.	O.D.	Length	SealOD	FlangeOD	Part No	I.D.	O.D.	Length	SealOD	FlangeOD
Universal						Universal					
31-3500	0.341	0.502	2.400	0.530	0.562	31-8825	0.373	0.633	2.435		
31-4003	0.341	0.502	2.600	0.562	0.531	31-8017	0.374	0.502	2.375		
31-4047	0.342	0.480	1.921			31-6108	0.374	0.502	2.375		
31-4907	0.342	0.502	2.375	0.530	0.530	31-6109	0.374	0.502	2.500		
31-4022	0.342	0.502	3.000	0.530	0.531	31-8016	0.374	0.502	2.625		
31-4045	0.342	0.504	2.027	0.527	0.559	31-4030	0.405	0.565	3.250	0.565	
31-4046	0.342	0.504	2.086			Acura/Honda B16A-3, B17A, B18C1-5 VTEC					
31-4044	0.342	0.504	2.126			31-8576	0.217	0.475	1.640		
31-4040	0.342	0.504	2.133		0.535	31-8577	0.217	0.475	1.870		
31-4049	0.342	0.504	2.224	0.527	0.559	Ford Focus 2.0L DOHC ZETEC					
31-4048	0.342	0.504	2.283			31-8662	0.239	0.473	1.400		
31-4023	0.342	0.627	2.250	0.560		Volkswagen 1.9, 2.8L 7mm					
31-7715	0.343	0.502	2.125			31-8139	0.2750	0.476	1.500		
31-7946	0.343	0.502	2.250			Volkswagen 1.8 20V, 2.7, 2.8, 3.0L 30V 6mm					
31-4021	0.343	0.502	2.350	0.530	0.530	31-03419	0.2360	0.436	1.415		
31-7459	0.343	0.502	2.375			Material: CAST IRON					
31-7460	0.343	0.502	2.500			Universal					
31-5604	0.343	0.502	2.625			30-9977H	0.3120	0.502	2.281		
31-6106	0.343	0.502	2.750			30-9460H	0.3430	0.502	2.500		
31-8012	0.343	0.502	2.875			30-9607H	0.3440	0.502	2.250		
31-6867	0.344	0.502	2.125			30-9523H	0.3440	0.502	3.063		
31-5607	0.344	0.502	2.250			30-9964H	0.3730	0.502	2.625		
31-7552	0.344	0.565	2.875			30-9108H	0.374	0.502	2.375		
31-8009	0.372	0.502	2.375			30-9458H	0.374	0.502	3.063		
31-4025	0.372	0.502	3.000	0.530	0.531	30-9972H	0.374	0.621	2.630		
31-7298	0.373	0.502	2.375								
31-7260	0.373	0.502	2.875								
31-7279	0.373	0.565	2.875								
31-4028	0.373	0.620	2.562	0.530							
31-4029	0.373	0.625	2.427	0.530							
31-8826	0.373	0.628	2.565								

Parts 31-4040 through 31-4049 are replacement guides for 15- Aluminum Heads from QualFast



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.



Type: SGL = Single, SWD = Single with Damper, CON = Conical, DUA = Dual, DWD = Dual with Damper

Part No	Max Lift	O.D.	I.D.	Closed Load	Open Load	Type	Coil Bind	Retainers	Note
Domestic Performance									
52-43270	0.490	1.215	0.861	120 @1.70	265 @1.20	SWD	1.150	55-6105	GM L6, V6
52-10008	0.490	1.240	0.876	80 @1.700	200 @1.25	SWD	1.150	55-6105	
52-10010	0.500	1.260	0.876	120 @ 1.70	300 @1.20	SWD	1.160	55-6100, 55-8100	
52-08470	0.500	1.437	1.080	105 @1.75	210 @1.25	SWD	1.100	55-6302	
52-22970	0.525	1.525	1.075	125 @1.87	355 @1.37	SWD	1.240	55-6304	
52-16670	0.540	1.435	1.035	110 @1.70	300 @1.15	SWD	1.100	55-6302	
52-10012	0.540	1.494	1.080	95 @1.650	270 @1.20	SWD	1.085	55-6302	
52-10011	0.540	1.504	1.090	90 @ 1.880	265 @1.38	SWD	1.265	55-6302	
52-65900	0.550	1.050T	0.636	80 @1.640	185 @1.09	CON	0.952	55-6194	Ford 4.6L 2V Ovate
52-65000	0.550	1.289T	0.880	105 @1.80	260 @1.20	CON	1.140	55-6103, 55-8103	Chev. LS
52-53410	0.590	1.437	0.796	165 @1.80	315 @1.30	DUA	1.100	55-6102, 55-6307	
52-57470	0.600	1.260	0.876	125 @1.75	330 @1.20	SWD	1.160	55-6100, 55-8100	
52-61270	0.600	1.260	0.876	130 @1.80	350 @1.20	SWD	1.140	55-6100, 55-8100	
52-55710	0.600	1.437	0.810	140 @1.80	295 @1.30	DUA	1.100	55-6302	
52-61810	0.600	1.460	0.840	145 @1.80	350 @1.20	DUA	1.080	55-6302	
52-27410	0.600	1.460	0.700	135 @1.85	420 @1.17	DWD	1.170	55-6302	
52-27270	0.600	1.460	1.060	115 @1.82	295 @1.25	SWD	1.150	55-6302	
52-41010	0.600	1.539	0.731	190 @1.94	425 @1.37	DWD	1.200	55-6305	
52-49270	0.600	1.540	1.140	100 @1.90	240 @1.30	SWD	1.200	55-6308, 55-8308	
52-46970	0.600	1.542	1.128	150 @1.90	332 @1.30	SWD	1.170	55-6303	
52-65810	0.650	1.295	0.676	140 @1.80	385 @1.15	DUA	1.100	55-6123, 55-8123	Chev. LS

Part No	Max Lift	O.D.	I.D.	Closed Load	Open Load	Type	Coil Bind	Retainers	Note
52-58310	0.700	1.540	0.729	255 @1.95	590 @1.23	DWD	1.190	55-6303, 55-6305, 55-6308	
Diesel Performance									
52-4040		0.995	0.657	84 @ 1.880	252 @ 1.40	SGL	1.290	55-6328	FOR 6.0L, 6.4L Diesel
52-4053		1.134	0.744	105 @ 1.30	180 @ 1.00	SGL	0.880	37-3198	CUM 5.9L, 6.7L 24V
52-4041		1.180	0.868	75 @ 1.900	150 @ 1.40	SGL	1.368	55-6066	GM 6.6L Duramax
52-4049		1.344	0.945	178 @1.80	250 @1.38	SGL	1.250	37-2299	Cummins 12V
Acura/Honda B16A-3, B17A, B18C1-5 VTEC									
52-8101		29mm	15.5m	80 @34mm	195 @26m	DUA	19mm	55-9005	

QUALFAST HIGH PERFORMANCE KEEPERS

QualFast High Performance Keepers are all heat treated and are designed to fit with our High Performance retainers and valves. Sold and priced by the piece (each, 2 per valve). 7 Degree unless noted.



Part No	Stem	No. Beads	Type	Application
34-5024	0.215	1	Round	FOR, HON 5.5mm
34-719	0.234	1	Round	CHC, Mit. 6mm
34-281	0.275	3	Round	FDI, FOR, LAN, MAZ
34-5005	0.314	1	Round	GM LS, TOY 8mm
34-7005	0.314	1	Round	GM LS1 Machined
34-811M	0.314	1	Square	TOY 22R Machined
34-10555-50	0.343	1	Square	HP 10 Deg -50, Lower Spring Inst. Height
34-10555L	0.343	1	Square	10 Deg. For Lash Cap
34-555	0.343	1	Square	Universal 11/32
34-555+50	0.343	1	Square	HP +50 Taller Spring Inst. Height
34-555-30	0.343	1	Square	HP -30 Lower Spring Inst. Height
34-555-60	0.343	1	Square	HP -60 Lower Spring Inst. Height
34-613	0.372	1	Square	Universal 3/8
34-766	0.372	4	Round	CHI, CHM, CHC, IHC, IHN

QUALFAST HIGH PERFORMANCE SPRING KITS

QualFast 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
52-22970SK	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
52-65000SK	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	34-5005	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	34-5005	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
52-53410SK	590	1.437	165@1.800
16	52-53410	Dual	315 @1.30
16	55-6102	7 Deg Retainer	11/32 x 1.370
32	34-555	7 Deg Keeper	11/32

Part No	Max Lift \ Kit Contents	Spring O.D. \ Description	Loads \ Specifications
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
52-46970SK	600	1.542	150 @1.900
16	52-46970	Single w/ Damper	332 @1.300
16	55-6303	7 Deg Retainer	11/32 x 1.49
32	34-555	7 Deg Keeper	11/32
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	34-10555L	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	330 @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
52-58310SK	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	34-10555L	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	34-10555L	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							
55-6104	11/32	1.030	0.640		7	Chrome Moly	Use w/ Conical Spring
55-6906	11/32	1.130	0.865	0.615	7	ChromeMoly	GM Vortec 86-Up
55-6115	11/32	1.200	0.748	0.635	7	ChromeMoly	GM 265-350
55-6105	11/32	1.200	0.850	0.667	7	ChromeMoly	GM 265-350
55-6100	11/32	1.240	0.860	0.645	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	
55-6307	11/32	1.400	1.060	0.695	10	Chrome Moly	
55-6303	11/32	1.490	1.124	0.695	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	
55-8310	11/32	1.59	1.174	0.866	10	Titanium	
55-6455	3/8	1.310	0.820		7	ChromeMoly	Buick 455
55-6318	3/8	1.340	0.995	0.637	7	ChromeMoly	Chry. 318
55-6304	3/8	1.400	1.060	0.695	7	ChromeMoly	
55-6201	3/8	1.400	1.060	0.885	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
55-6197	7mm	0.980	0.595	0.532	7	ChromeMoly	GM 2.2L 87-98 CHC 3.7L, 4.7L
55-6294	7mm	1.040	0.742	0.595	7	ChromeMoly	Ford 4.6L Early
55-8103	8mm	1.030	0.640		7	Titanium	GM LS1
55-6103	8mm	1.030	0.640		7	ChromeMoly	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	LS1
55-8123	8mm	1.230	0.860	0.600	7	Titanium	GM LS1
55-6130	8mm	1.300	1.070	0.700	7	ChromeMoly	GM LS1
55-8130	8mm	1.300	1.070	0.700	7	Titanium	GM LS1
55-8143	8mm	1.430	1.060	0.690	7	Titanium	GM LS1
Diesel Performance							
55-6328	0.274	0.912	0.621		7	Chrome Moly	FOR 6.0, 6.4L
55-6066	0.275	1.175	0.819	0.597	7	Chrome Moly	GM 6.6 Duramax
Import Performance							
55-9005	5.5mm	28mm	21.7mm	15.4mm	7	Titanium	Acura/Honda B16A-3, B17A, B18C1-5 VTEC
55-6922	8mm	1.295	0.904	0.600	7	ChromeMoly	Toyota 22R

QUALFAST HIGH PERFORMACE SPRING INSERTS, CUPS, AND LOCATORS

QualFast HP Spring I.D. Locators, part numbers 33-***-L, are manufactured from chrome moly with black oxide finish. The inside edge on these inserts keeps the spring centered. Outside Cups, also in chrome moly with black oxide, 33-5***, control spring walk with an outside lip. Flat HP Valve Spring Inserts have heat-retarding serrations with a blue tint indicating heat treatment.

Part No Thickness O.D I.D. Spring I.D. / O.D

Part No Thickness O.D I.D. Spring I.D. / O.D

I.D. Locator



Valve Spring Insert



33-8135-L	30	1.135	0.435	0.600
33-8251-L	60	1.235	0.505	0.655
33-8250-L	30	1.250	0.569	0.655
33-8490-L	60	1.490	0.569	0.720
33-8535-L	60	1.535	0.569	0.740
33-8550-L	60	1.550	0.569	0.715
33-8570-L	60	1.570	0.569	0.810
33-8620-L	60	1.620	0.569	0.740

33-1086-5	60	0.970	0.445	
33-1063-5	30	1.100	0.719	
33-1066-5	60	1.100	0.719	
33-8806-5	60	1.170	0.600	
33-1071-5	15	1.250	0.625	
33-1073-5	30	1.250	0.625	
33-2033-5	30	1.250	0.812	
33-2036-5	60	1.250	0.812	
33-8016-5	60	1.250	0.812	
33-2013-5	30	1.250	0.875	
33-2016-5	60	1.250	0.875	
33-1026-5	60	1.360	1.000	
33-3013-5	30	1.375	0.765	
33-3016-5	60	1.375	0.765	
33-3063-5	30	1.437	0.645	
33-3066-5	60	1.437	0.645	
33-3053-5	30	1.437	0.785	
33-3056-5	60	1.437	0.785	
33-3033-5	30	1.480	0.703	
33-3036-5	60	1.480	0.703	
33-6031-5	15	1.500	0.562	
33-6033-5	30	1.500	0.562	
33-1033-5	30	1.500	1.031	
33-1036-5	60	1.500	1.031	
33-6013-5	30	1.640	0.635	
33-6016-5	60	1.640	0.635	

Outside Cup



33-5103	183	1.200	0.664	1.130
33-5270	65	1.360	0.570	1.260
33-5056	60	1.399	0.821	1.300
33-5440	60	1.550	0.690	1.440
33-5475	80	1.580	0.640	1.470
33-5076-5	60	1.595	0.645	1.475
33-5126-5	60	1.614	0.570	1.470
33-5510	80	1.630	0.640	1.500
33-5036-5	60	1.640	1.029	1.520
33-5066-5	60	1.650	0.645	1.520
33-5565	80	1.680	0.640	1.560
33-5146	60	1.700	0.570	1.550
33-5650	80	1.745	0.640	1.650

QUALFAST ROCKER ARMS

QualFast Rocker Arms listed here are stock tip with superior heat treatment. Self-Aligning styles add guide rails. All but 40-2886 (early ford) are stamped steel for high performance. LS 40-2902 and 40-2903 have caged bearings and improved, smoother trunions.



40-2736



40-2901



40-2902



40-2903

Part No	Ratio	Slot	Description	Application
40-2737	1.5	Long	Rocker Arm, Self-Aligning Stamped 3/8" Stud	Small Block Chevrolet
40-2840	1.5	Long	Rocker Arm, Stamped 3/8" Stud	Small Block Chevrolet
40-2736	1.5	Stock	Rocker Arm, Self-Aligning Stamped 3/8"	Small Block Chevrolet
40-2842	1.5	Stock	Rocker Arm, Stamped 3/8" Stud	Small Block Chevrolet
40-2738	1.6	Long	Rocker Arm, Self-Aligning Stamped 3/8" Stud	Small Block Chevrolet
40-2841	1.6	Long	Rocker Arm, Stamped 3/8" Stud	Small Block Chevrolet
40-2901			Rocker Arm, w/ Pivot, Bolt LS, 3.5, 3.9L OE	Chevrolet LS
40-2902			Rocker Arm, LS1 Straight HP Caged Bearings	Chevrolet LS
40-2903			Rocker Arm, LS3 Offset HP Caged Bearings	Chevrolet LS
40-2868	1.72	Long	Rocker Arm, Stamped For >0.560 Lift	Big Block Chevrolet
40-2867	1.72	Stock	Rocker Arm, Stamped	Big Block Chevrolet
40-2886		Stock	Rocker Arm, Cast w/ Rails 289, 302, 351	Small Block Ford
40-2889		Stock	Rocker Arm, Stamped 302 '78-98, 351	Small Block Ford
40-2888		Stock	Rocker Arm, Stamped	Ford Big Block

QUALFAST HP ROLLER ROCKER SETS

QualFast Roller Rockers have roller tips and are manufactured from Stainless Steel, which provides durability compared to aluminum, allowing less fatigue under higher loads. Sold in sets, each set contains 16 roller rockers, and 16 Poly Locks with black anodized finish.



Part No	Ratio	Stud	Description
45-11501	1.50	3/8"	Small Block Chevrolet
45-11702	1.70	7/16"	Big Block Chevrolet
45-21601	1.60	3/8"	Small Block Ford

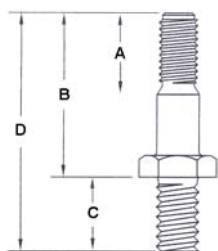
QUALFAST ROCKER KITS

QualFast Kits are sold per rocker arm, and require 16 per engine for 16V engines



QC #	Application	Description
41-2902TK	LS	Set of 16 Caged Bearing Trunnions, 16 Bronze Bushings, 16 C Clips
41-2509	GM SBC	1 40-1842, 1 42-1786 3/8 Nut, 1 42-1792 Grooved Ball
41-1736	GM SBC	1 40-2736, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut.
41-1737	GM SBC	1 40-2737, 1 42-1731 Smooth Ball, 42-1786 3/8 Nut
41-2738	GM SBC	1 40-2738, 1 42-1786 3/8 Nut, 1 42-1792 Grooved Ball
41-2508	GM SBC	1 40-2840, 1 42-1786 3/8 Nut, 1 42-1792 Grooved Ball
41-2401	GM SBC	1 40-2842, 1 42-1731 Smooth Ball, 1 42-1786 3/8 Nut
41-2501	GM SBC	1 40-2842, 1 42-1786 3/8 Nut, 1 42-1792 Grooved Ball
41-2504	GM BBC	1 40-2867, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
41-2507	GM BBC	1 40-2868, 1 42-1793 7/16 Nut, 1 42-1797 Grooved Ball
41-2610	FOR	1 40-2886, 1 42-1772 Grooved Ball, 1 42-1786 3/8 Nut, 1 42-1791 5/16 Nut
41-2547	FOR	1 40-2888, 1 42-1740 5/16 Bolt, 1 42-1776 Pivot
41-2548	FOR	1 40-2889, 1 42-1741 Bolt, 1 42-1776 Pivot

QUALFAST ROCKER STUDS



QualFast Rocker Studs are made of steel with black oxide finish for increased hardness. Threads are cold rolled.

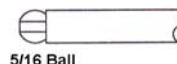


Custom Rocker Stud etching available with upgrade fee.

Part No	Stud Thread A	Effect Stud Length B	Base Thread C	Overall Length D
42-2940	7/16-20	1.910	7/16-14 Hex	2.670
42-2941	7/16-20	1.765	7/16-14 Hex	2.560
42-3651	3/8-20	1.770	7/16-14 Hex	2.490
42-4403	3/8-24	1.480	7/16-14 Hex	2.240
42-4920	3/8-24	1.725	7/16-14 Hex	2.410
42-2913	3/8-24	1.790	7/16-14 Hex	2.500
42-3920	3/8-24	1.600	7/16-14 No Hex	2.325
42-2600	3/8-24	1.910	7/16-14 Hex	2.610

QUALFAST PUSH RODS

QualFast Push Rods are heat treated chrome moly with additional black oxide finish suitable for use with guide plates.



TYPE O

Type: P = Pressed S = Swedged W = Welded

QC #	Length	O.D.	Type	Tip 1	Tip2	Application
74-6342	6.162	5/16X .060	W	O	O	GM 173, 189, 207
74-6281	6.876	5/16X .060	W	O	O	FOR 302
74-6373	7.195	5/16X .060	W	O	O	GM SB
74-6614	7.397	5/16X .075	W	O	O	LS
74-6034	7.793	5/16X .060	W	O	O	GM SB, AMC
74-6230	8.279	5/16X .075	W	O	O	GM BB Int
74-6380	9.200	5/16X .075	W	O	O	GM BB Exh
74-6231	9.252	5/16X .075	W	O	O	GM BB Exh
74-6310	9.499	5/16X .060	W	O	O	FOR 351M, 400
74-6306	10.136	5/16X .060	W	O	O	FOR 240, 300
74-6441	8.281	3/8X .060	S	O	O	GM BB Int
74-6442	9.254	3/8X .060	S	O	O	GM BB Exh
74-9000						Measuring Tool 6.125 - 7
74-9003						Measuring Tool 9.60 - 11
74-9001						Measuring Tool 7.50 - 8.
74-9002						Measuring Tool 8.50 - 9.

QUALFAST HIGH PERFORMANCE LIFTERS

CCI indicates Chilled Cast Iron for superior wear resistance














36-2148G

QC #	Type	Length	O.D.	Application
36-817CCI	Hydraulic	2.000	0.8425	GM Flat Chilled Cast Iron
36-900CCI	Hydraulic	2.000	0.8743	FOR Flat Chilled Cast Iron
36-992	Mechanical	2.000	0.8425	GM Early
36-2011CCI	Hydraulic	1.900	0.9040	CHC Chilled Cast Iron
36-2148	Hydraulic	2.600	0.8425	GM Vortec Roller
36-2148G	Guide			GM Vortec Dogbone Guide
36-2279	Hydraulic	2.603	0.8421	GM BBC Roller
36-2279G	Guide			GM BB Dogbone Guide

QUALFAST GUIDE PLATES

QualFast Guide Plates are formed from steel, heat treated and coated with black oxide to ensure hardness and durability.

Part No	Dia.	Type	Application	Photo
75-100	5/16	Flat	SBC	
75-100A	5/16"	Adjustable	SBC	
75-101	3/8"	Flat	SBC	
75-102	3/8	Stepped	SBC	
75-107	3/8	Stepped	BBC	
75-110	5/16	Flat	SBF	
75-111	5/16	Stepped	FOR 351C	
75-112	3/8	Stepped	BBF	
75-115	3/8	Stepped	BBC	
75-210	5/16	Flat	SBF	
75-700	3/8	Stepped	GM BBC	



QUALFAST PERFORMANCE HEAD KITS

WITH BLACK LIGHTNING VALVES



Learn more about performance engine parts we have.