

# 6000 SERIES COMPETITION VALVES



The 6000 Series Competition Valves are designed to provide excellent reliability in an environment of high spring pressures and roller cams, at a budget price. They have higher fatigue resistance and tensile strengths than our competitor's best offerings. These valves can be used in Drag and Oval Track racing applications.

To manufacture the valves we use our exclusive two-step slow forging process using EV8 stainless steel on both intake and exhaust valves. We provide a special heat-treatment and stress relieving process, along with hard chrome stems and friction-welded hard tips. We finish with a swirl polished head. The valves feature flow improvements to deliver the power needed for today's sophisticated racing engines.

Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>BUICK V-6 (11/32)</b>						
F6237	E	1.500	11/32	4.735	.254	29° Tulip Flo-Stage 1&2 Iron Head
F6238	I	1.775	11/32	4.735	.271	10° Super Flo-Stage 1&2 Iron Head
<b>CHEVROLET BIG BLOCK (11/32)</b>						
F6157	E	1.880	11/32	5.425	.250	15° Super Flo. Brodix/Dart 320-360. +.100
F6184	E	1.880	11/32	5.471	.250	15° Super Flo. +.150
F6186	E	1.900	11/32	5.425	.250	15° Super Flo. +.100
F6158	E	1.940	11/32	5.425	.250	15° Super Flo. +.100
F6139	I	2.190	11/32	5.275	.250	12° Super Flo. +.050
F6189	I	2.190	11/32	5.344	.250	12° Super Flo. +.100
F6269	I	2.190	11/32	5.471	.250	12° Super Flo. +.250.
F6196	I	2.200	11/32	5.271	.250	12° Super Flo. +.050
F6129	I	2.250	11/32	5.271	.250	12° Super Flo. Stk/+.050
F6190	I	2.250	11/32	5.344	.250	12° Super Flo. +.100
F6195	I	2.250	11/32	5.471	.250	12° Super Flo. +.250
F6130	I	2.300	11/32	5.321	.250	12° Super Flo. +.100
F6131	I	2.300	11/32	5.471	.250	12° Super Flo. Brodix/Dart 320-360. +.250
F6138	I	2.325	11/32	5.471	.250	12° Super Flo. Brodix/Dart 320-360. +.250
<b>CHEVROLET BIG BLOCK (3/8)</b>						
F6128	E	1.725	3/8	5.350	.225	15° Super Flo. Stk
F6125	E	1.880	3/8	5.350	.225	15° Super Flo. Stk
F6156	E	1.880	3/8	5.400	.225	15° Super Flo. Brodix/Dart 320-360. +.050
F6185	E	1.900	3/8	5.425	.225	15° Super Flo. +.100
F6127	I	2.065	3/8	5.221	.225	12° Super Flo. Stk
F6126	I	2.190	3/8	5.221	.225	12° Super Flo. Stk
F6133	I	2.250	3/8	5.271	.225	12° Super Flo. +.050
F6134	I	2.300	3/8	5.321	.225	12° Super Flo. Brodix/Dart 320/360. +.100
F6135	I	2.300	3/8	5.421	.225	12° Super Flo. Brodix/Dart 320/360. +.200
<b>CHEVROLET SMALL BLOCK (11/32)</b>						
F6107	E	1.500	11/32	4.960	.250	12° Flo. +.050
F6144	E	1.500	11/32	5.010	.250	12° Super Flo. +.100
F6161	E	1.560	11/32	4.960	.250	12° Super Flo. +.050
F6100	E	1.600	11/32	4.960	.250	12° Super Flo. +.050. (Edelbrock Head Stk)
F6108	E	1.600	11/32	4.960	.250	12° Flo. +.050
F6104	E	1.600	11/32	5.010	.250	12° Super Flo. +.100
F6145	E	1.600	11/32	5.010	.250	12° Flo. +.100
F6202	E	1.600	11/32	5.060	.250	12° Semi Tulip Super Flo. +.150
F6160	E	1.600	11/32	5.300	.250	12° Super Flo-Brodix # 12. +.400
F6228	E	1.600	11/32	5.400	.250	12° Super Flo-Brodix # 12 & 18° +.500
F6143	E	1.625	11/32	4.960	.250	12° Super Flo. +.050
F6146	E	1.625	11/32	5.010	.250	12° Super Flo. +.100
F6205	E	1.625	11/32	5.060	.250	20° Semi Tulip Super Flo. +.150
F6148	E	1.625	11/32	5.160	.250	15° Super Flo-Brodix Pontiac. +.200
F6102	I	1.940	11/32	4.960	.250	12° Super Flo. +.050
F6111	I	1.940	11/32	4.960	.250	12° Flo. +.050
F6142	I	1.940	11/32	5.010	.250	12° Super Flo. +.100

6000 SERIES COMPETITION VALVES

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Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>CHEVROLET SMALL BLOCK (1 1/32)</b>						
F6165	I	2.000	11/32	4.960	.250	12° Super Flo. +.050
F6101	I	2.020	11/32	4.960	.250	12° Super Flo. +.050
F6110	I	2.020	11/32	4.960	.250	12° Flo. +.050
F6103	I	2.020	11/32	5.010	.250	12° Super Flo. +.100
F6150	I	2.020	11/32	5.010	.250	12° Flo. +.100
F6208	I	2.020	11/32	5.060	.250	12° Super Flo. +.150
F6206	I	2.020	11/32	5.160	.250	12° Super Flo. Canfield Head. +.200
F6105	I	2.055	11/32	4.960	.250	12° Super Flo. +.050
F6114	I	2.055	11/32	5.010	.250	12° Super Flo. +.100
F6151	I	2.055	11/32	5.010	.250	12° Flo. +.100
F6207	I	2.055	11/32	5.060	.250	12° Super Flo. +.150
F6115	I	2.080	11/32	4.960	.250	12° Super Flo. +.050
F6116	I	2.080	11/32	5.010	.250	12° Super Flo. +.100
F6203	I	2.080	11/32	5.060	.250	12° Super Flo. +.150
F6164	I	2.080	11/32	5.160	.250	12° Super Flo. Canfield Head. +.200
F6263	I	2.080	11/32	5.300	.250	12° Super Flo. +.400
F6117	I	2.100	11/32	4.960	.250	12° Super Flo. +.050
F6118	I	2.100	11/32	5.010	.250	12° Super Flo. +.100
F6256	I	2.100	11/32	5.060	.250	12° Super Flo. +.150
F6152	I	2.100	11/32	5.160	.250	12° Super Flo-Brodix Pontiac. +.200
F6153	I	2.125	11/32	5.010	.250	12° Super Flo. +.100
F6204	I	2.125	11/32	5.060	.250	12° Super Flo. +.150
F6154	I	2.125	11/32	5.160	.250	12° Super Flo-Brodix Pontiac. +.200
F6254	I	2.125	11/32	5.300	.250	12° Super Flo. +.400
F6166	I	2.150	11/32	5.300	.250	12° Super Flo-Brodix # 12. +.400
F6167	I	2.150	11/32	5.400	.250	12° Super Flo-Brodix # 12 & 18°. +.500
<b>CHEVROLET SMALL BLOCK - LS1</b>						
F6232	E	1.550	.313	4.915	.160	15° Flo. Radius Groove - LS1 CORVETTE
F6271	E	1.570	.313	4.915	.160	24° Tulip Super Flo. Radius Groove
F6233	E	1.600	.313	4.915	.160	15° S Flo. Radius Groove - LS1 CORVETTE
F6235	E	1.600	.313	4.915	.160	24° Tulip Super Flo. Radius Groove. LS1 CORVETTE
F6267	E	1.600	.313	5.015	.160	24° Tulip Super Flo. +.100. Radius Groove
F6270	E	1.650	.313	4.915	.160	24° Tulip Super Flo. +.100. Radius Groove
F6230	I	2.000	.3135	4.900	.160	12° Flo. Radius Groove - LS1 CORVETTE
F6231	I	2.020	.3135	4.900	.160	12° S Flo. Radius Groove - LS1 CORVETTE
F6266	I	2.020	.3135	5.000	.160	12° Super Flo. +.100. Radius Groove
F6234	I	2.055	.3135	4.900	.160	12° Super Flo. Radius Groove. LS1 CORVETTE
F6236	I	2.080	.3135	4.900	.160	12° Super Flo. Radius Groove. LS1 CORVETTE
F6268	I	2.080	.3135	5.000	.160	12° Super Flo. +.100. Radius Groove
F6242	I	2.100	.3135	4.900	.160	12° Super Flo. Radius Groove. LS1 CORVETTE
<b>CHEVROLET SMALL BLOCK - LS6</b>						
F6265	E	1.550	.313	4.939	.180	24° Tulip S Flo. Radius Groove
F6264	I	2.000	.3135	4.890	.180	12° S Flo. Radius Groove
<b>CHEVROLET SMALL BLOCK - L92</b>						
F6233	E	1.600	.313	4.915	.160	15° S Flo. Radius Groove.
F6235	E	1.600	.313	4.915	.160	24° Tulip Super Flo. Radius Groove
F6279	I	2.165	.3135	4.900	.160	12° S Flo Backcut 30° Radius Groove
F6280	I	2.200	.3135	4.900	.160	12° S Flo Backcut 30° Radius Groove



Rick McDonough leaving hard in his '70 Chevelle 2 Door Wagon. Working at Murray's Speed & Custom he knows good parts. Rick's SBC uses Ferrea 6000 series Stainless Int & Exh valves.

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Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>CHRYSLER 318-340-360 (3/8)</b>						
F6243	E	1.500	3/8	4.970	.225	15° Super Flo.
F6244	E	1.600	3/8	4.970	.225	15° Super Flo.
F6245	E	1.625	3/8	4.970	.225	15° Super Flo.
F6246	I	1.780	3/8	4.980	.225	12° Super Flo.
F6247	I	1.880	3/8	4.980	.225	12° Super Flo.
F6248	I	1.920	3/8	4.980	.225	12° Super Flo.
F6249	I	2.020	3/8	4.980	.225	12° Super Flo.
<b>CHRYSLER 340 &amp; W2 (3/8)</b>						
F6173	E	1.600	3/8	5.075	.225	15° Super Flo. +.050
F6137	E	1.600	3/8	5.225	.225	15° Super Flo-W2
F6172	I	2.020	3/8	5.050	.225	11° Super Flo. +.050
F6136	I	2.080	3/8	5.225	.225	11° Super Flo-W2
<b>CHRYSLER 440 CID (1 1/32) (INDY CYLINDER HEAD)</b>						
F6188	E	1.810	11/32	5.369	.250	15° Super Flo
F6189	I	2.190	11/32	5.344	.250	12° Super Flo
F6190	I	2.250	11/32	5.344	.250	12° Super Flo
<b>CHRYSLER 440 CID (3/8)</b>						
F6192	E	1.810	3/8	4.910	.290	15° Super Flo. Stk
F6250	E	1.880	3/8	4.910	.290	15° Super Flo
F6217	I	2.140	3/8	4.875	.290	12° Super Flo. Stk
F809525	I	2.175	3/8	4.875	.290	12° Flo. Stk
F6191	I	2.190	3/8	4.875	.290	12° Super Flo. Stk
<b>CHRYSLER/DODGE HEMI 5.7L</b>						
F6198	E	1.550	.3125	4.845	.120	25° Flo. 3 Radial Grooves. Stock
F6288 (*)	E	1.550	.3125	4.845	.160	25° Flo. Single Radial Groove.
F6284	E	1.570	.3125	4.845	.120	25° Flo. 3 Radial Grooves. Oversize
F6199	I	2.000	.3125	4.955	.120	12° Super Flo. 3 Radial Grooves. Stock
F6285	I	2.020	.3125	4.955	.120	12° Super Flo. 3 Radial Grooves. Oversize
F6289 (*)	I	2.020	.3125	4.955	.160	12° Super Flo. Single Radial Groove. Oversize
<b>Tech Note: (*) For Part # F6288 and # F6289 please call for technical assistance.</b>						
<b>CHRYSLER/DODGE HEMI 6.1L</b>						
F6272	E	1.600	.3125	4.925	.120	25° Flo. 3 Radial Grooves. Stock
F6290 (*)	E	1.600	.3125	4.925	.160	25° Flo. Single Radial Groove.
F6286	E	1.625	.3125	4.925	.120	25° Flo. 3 Radial Grooves. Oversize
F6275	I	2.080	.3125	4.990	.120	12° Super Flo. 3 Radial Grooves. Stock
F6287	I	2.100	.3125	4.990	.120	12° Super Flo. 3 Radial Grooves. Oversize
F6291 (*)	I	2.100	.3125	4.990	.160	12° Super Flo. Single Radial Groove. Oversize
<b>Tech Note: (*) For Part # F6290 and # F6291 please call for technical assistance.</b>						
<b>FORD 2.0 L</b>						
F6220	E	38.1mm	8mm	113mm	5.38mm	10° Flo
F6219	I	44.5mm	8.02mm	113mm	5.07mm	9° Flo
<b>FORD 2.3 L</b>						
F6224	E	1.500	11/32	4.800	.400	12° Super Flo
F6229	E	1.500	11/32	4.870	.470	12° Super Flo
F6222	E	1.590	11/32	4.800	.400	12° Super Flo
F6227	E	1.600	11/32	4.870	.470	12° Super Flo
F6223	I	1.740	11/32	4.800	.400	12° Super Flo
F6225	I	1.740	11/32	4.870	.470	12° Super Flo
F6221	I	1.890	11/32	4.800	.400	12° Super Flo
F6226	I	1.890	11/32	4.870	.470	12° Super Flo
<b>FORD 4.6 - 16 VALVES</b>						
F6274	E	1.450	.274	4.656	.466	14° Super Flo. 3 Radial Grooves. Stock
F6273	I	1.780	.274	4.712	.466	12° Super Flo. 3 Radial Grooves. Stock
<b>FORD 4.6L/5.4L - SOHC 24 VALVES</b>						
F6276	E	1.476	.2345	4.583	.380	25° Flo. 3 Radial Grooves. Stock. 1 Valve required
F6282	E	1.515	.2345	4.583	.380	25° Flo. 3 Radial Grooves. Oversize. 1 Valve required
F6281	I	1.331	.2355	4.618	.315	12° Flo. 3 Radial Grooves. Stock. 2 Valves required
F6283	I	1.378	.2355	4.618	.315	12° Flo. 3 Radial Grooves. Oversize. 2 Valves required

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Part N°	Type	Head Diam.	Stem Diam.	Overall Length	Tip Length	References
<b>FORD 4.6 - 32 VALVES</b>						
F6278	E	30 mm	7 mm	117.1 mm	10.65 mm	25° Super Flo. 3 Radial Grooves. Stock
F6277	I	37 mm	7 mm	135.9 mm	15.7 mm	20° Super Flo. 3 Radial Grooves. Stock
<b>FORD 351 C (2 Barrel)</b>						
F6179	E	1.650	11/32	5.060	.250	12° Super Flo. Stk
F6132	I	2.070	11/32	5.275	.250	12° Super Flo. Stk/+.050
F6155	I	2.100	11/32	5.275	.250	12° Super Flo-SVO-Yates
<b>FORD 351 N (SPORTSMAN HEAD)</b>						
F6147	E	1.600	11/32	5.160	.250	12° Super Flo
F6206	I	2.020	11/32	5.160	.250	12° Super Flo
<b>FORD 351 W &amp; GT40 HEAD</b>						
F6260	E	1.480	11/32	5.075	.395	14° Super Flo
F6123	E	1.550	11/32	5.075	.395	14° Super Flo. Stk
F6183	E	1.600	11/32	5.075	.395	14° Super Flo. Stk
F6261	I	1.780	11/32	5.075	.395	12° Super Flo
F6122	I	1.850	11/32	5.075	.395	12° Super Flo. Stk
F6239	I	1.900	11/32	5.075	.395	12° Super Flo. Stk. AFR/HOLLEY
F6170	I	1.940	11/32	5.075	.395	12° Super Flo. Stk
F6169	I	2.020	11/32	5.075	.395	12° Super Flo. Stk
<b>FORD 429 - 460 W/AFTERMARKET HEADS</b>						
F6181	E	1.880	11/32	5.700	.250	15° Super Flo-SVO/TFS
F6180	E	1.940	11/32	5.700	.250	15° Super Flo-SVO/TFS
F6168	I	2.350	11/32	5.755	.250	12° Super Flo-SVO/TFS
<b>FORD BOSS 302 - 351 C - 429 - 460</b>						
F6124	E	1.710	11/32	5.060	.250	12° Super Flo-351C/429/ 460
F6258	E	1.760	11/32	5.060	.250	14° Super Flo
F6159	E	1.800	11/32	5.058	.250	12° Super Flo-SVO 429/460
F6209	E	1.800	11/32	5.060	.250	24° Tulip Super Flo. Stk
F6139	I	2.190	11/32	5.275	.250	12° Super Flo-429/460. Stk/+.050
F6189	I	2.190	11/32	5.344	.250	12° Super Flo-429/460. +.100
F6196	I	2.200	11/32	5.271	.250	12° Super Flo. 351C/429CJ. Stk/+.050
F6129	I	2.250	11/32	5.271	.250	12° Super Flo-351C/429CJ. Stk/+.050
F6190	I	2.250	11/32	5.344	.250	12° Super Flo-351C/429CJ. +.100
<b>FORD FE 352 - 390 - 427 - 428</b>						
F6212	E	1.655	3/8	5.435	.330	12° Super Flo-Edelbrock Head
F6216	E	1.750	3/8	5.435	.330	12° Super Flo
F6210	I	2.090	3/8	5.450	.330	22° Super Flo 30° Seat-Edelbrock Head
F6211	I	2.150	3/8	5.450	.330	22° Super Flo 30° Seat
F6215	I	2.190	3/8	5.450	.330	22° Super Flo 30° Seat
F6214	I	2.250	3/8	5.450	.330	22° Super Flo 30° Seat
<b>FORD WINDSOR 302 - 351</b>						
F6100	E	1.600	11/32	4.960	.250	12° Super Flo. +.050. (Edelbrock Head Stk)
F6119	E	1.600	11/32	5.030	.325	14° Super Flo
F6218	I	1.900	11/32	4.960	.250	12° Super Flo-Edelbrock Head
F6193	I	1.900	11/32	5.030	.325	12° Super Flo-Edelbrock Head
F6120	I	1.940	11/32	5.030	.325	12° Super Flo
F6121	I	2.020	11/32	5.030	.325	12° Super Flo
<b>PONTIAC 400 - 428 - 455</b>						
F6259	E	1.660	11/32	5.110	.250	12° Super Flo
F6177	E	1.660	11/32	5.230	.250	12° Super Flo-Edelbrock Head
F6176	E	1.770	11/32	5.110	.250	12° Super Flo
F6178	E	1.770	11/32	5.230	.250	12° Super Flo-Edelbrock & RA IV Head
F6174	I	2.110	11/32	5.095	.250	12° Super Flo-45° Seat
F6175	I	2.110	11/32	5.213	.250	12° Super Flo-Edelbrock & RA IV Head-45° Seat