



Valve Train

Sportsman Stainless Steel Valves



COMP Cams® Sportsman Stainless Steel Valves are available in a variety of diameters and stem lengths for street/competition engines. Made from 21-4N forged steel alloy with 50 HRC minimum hard tips (eliminates the need for a lash cap), these valves deliver tremendous performance and durability. The hard chrome-plated 11/32" stems utilize proprietary oil retention surfacing, rather than thin flash plating.

To increase flow without increasing the valve diameter, high flow under-head fillet relief was added to the design. Additionally, the swirl-polished fillets generate a higher flow rate with reduced radial crack propagation, increasing their resistance to failure.

Part #	Description	Overall Length	Lock Groove	Valve Type	Head Diameter	Stem Size	Tip Length
6006-8	Chevrolet 265-400	4.911"	Single	Intake	1.940"	11/32"	N/A
6004-8	Chevrolet 265-400	4.911"	Single	Intake	2.020"	11/32"	N/A
6001-8	Chevrolet 265-400	5.011"	Single	Intake	2.020"	11/32"	N/A
6009-8	Chevrolet 265-400	5.111"	Single	Intake	2.020"	11/32"	N/A
6018-8	Chevrolet 265-400	5.011"	Single	Intake	2.055"	11/32"	N/A
6013-8	Chevrolet 265-400	4.911"	Single	Intake	2.080"	11/32"	N/A
6003-8	Chevrolet 265-400	5.011"	Single	Intake	2.080"	11/32"	N/A
6007-8	Chevrolet 265-400	5.111"	Single	Intake	2.080"	11/32"	N/A
6016-8	Chevrolet 265-400	4.911"	Single	Exhaust	1.500"	11/32"	N/A
6011-8	Chevrolet 265-400	4.911"	Single	Exhaust	1.600"	11/32"	N/A
6002-8	Chevrolet 265-400	5.011"	Single	Exhaust	1.600"	11/32"	N/A
6012-8	Chevrolet 265-400	5.111"	Single	Exhaust	1.600"	11/32"	N/A
6022-8	Chevrolet 396-454	5.468"	Single	Intake	2.250"	See Below*	N/A
6021-8	Chevrolet 396-454	5.468"	Single	Intake	2.300"	See Below*	N/A
6023-8	Chevrolet 396-454	5.454"	Single	Exhaust	1.880"	See Below*	N/A
6039-8	GM Gen III LS1/LS2/LS6	4.900"	Single	Intake	2.020"	8mm	.170"
6046-8	GM Gen III LS1/LS2/LS6	4.900"	Single	Intake	2.055"	8mm	.170"
6047-8	GM Gen III LS1/LS2/LS6	4.900"	Single	Intake	2.080"	8mm	.170"
6048-8	GM Gen III LS1/LS2/LS6	4.930"	Single	Exhaust	1.570"	8mm	.170"
6049-8	GM Gen III LS1/LS2/LS6	4.930"	Single	Exhaust	1.600"	8mm	.170"
6051-8	GM Gen III LS1/LS2/LS6	5.450"	Single	Intake	2.080"	8mm	.290"
6052-8	GM Gen III LS1/LS2/LS6	5.450"	Single	Intake	2.040"	8mm	.290"
6053-8	GM Gen III LS1/LS2/LS6	5.450"	Single	Exhaust	1.600"	8mm	.290"
6054-8	GM Gen III LS1/LS2/LS6	5.450"	Single	Exhaust	1.570"	8mm	.290"

* Big Block Chevrolet factory valve stem size is 3/8", however all COMP Cams® Big Block Chevy valves listed feature 11/32" valve stem diameter for increased flow & less weight

- 21-4N forged high-strength stainless steel alloy for performance & durability
- Chrome-plated stem and hardened valve tip with no lash cap required
- Spiral polished & under-head machining for minimum flow restriction
- Precision manufactured to strict tolerances & rigorously quality inspected
- Recommended for all hydraulic & solid flat tappet or roller lifter applications