

CHROME MOLY VALVE SPRING RETAINER SPECIFICATION CHART

Part No.	Diameters Outside/Steps	Relative Height (inches)
FOR 11/32" VALVE STEMS		
475304	1.375/1.060/.675	+.015
475044	1.375/1.060/.675	+.120
475054	1.375/1.060/.675	+.070
475074	1.375/1.085/.805	+.125
475114	1.500/1.135/.665	+.115
475184	1.190/.870/.610	0
FOR 11/32" VALVE STEMS		
475024	1.375/1.075/.785	-.040
475064	1.375/1.065/.675	-.120
475084	1.375/1.085/.805	-.015
475094	1.500/1.135/.635	+.010
475124	1.375/1.065/.670	0
475144	1.375/1.035/.785	-.030

These retainers are heat treated to 40 ROCKWELL© scale and are all manufactured for 7° valve locks.

NOTE: There are many tolerances that effect the final location and spring height. The relative height dimension is for comparison purposes of these retainers. We took a stock SB Chevy retainer with our 45103 valve and 47601 locks and measured from the rocker arm end of the valve to the spring seat on the retainer. We then took the same dimensions for our 11/32" stem retainers. The 47518 is the same as the stock retainer and is shown as zero. The relative height tells how much the assembled spring height will be changed if you changed from the 47518. The 47501 would shorten the height by .070" while the 47505 would increase it the same amount. The same applies to the 3/8" stem retainers except we used a stock BB Chevy retainer with our 45105 valve and 47300 locks as a starting point.

VALVE SPRINGS		POUNDS PRESSURE AT THESE HEIGHTS										
Part No.	OD	ID	1.88"	1.38"	1.80"	1.30"	1.72"	1.22"	1.67"	1.17"	Coil Bind	# Coils
466074	1.525	1.075	132	364							1.187	5.652
466174	1.475	1.061	90	260	115	285					1.125	6
466204	1.260	0.876					115	307	134	326	1.160	6.5
466224	1.539	1.125	158	318							1.200	6
466244	1.500	1.064	100	310							1.156	5.75
466354	1.215	0.861					110	260	125	284	1.125	6.75
466364	1.260	0.876				125@1.750		325			1.160	6
466434	1.435	1.035					90	260	105	282	1.125	5.7
466444	1.437	1.075			105	217	123	235			1.062	6.5
466114	1.43	.796	128	296	154	322					1.015	6.25
466274												
466124	1.384	.804							105	220	0.906	6
466134												
466154	1.55	.780		136@1.9		300@1.4		333@1.3		349@1.2	1.156	6.5
466164												
VS-320					100	320					1.35	
VS-380							80	240			1.150	

- All numbers are nominal
- Springs should be checked in every application
- Springs with dampners should be oiled prior to testing and installing
- Actual coil bind will vary because of the tolerances in the wire diameter
- Coil bind can be checked by compressing the spring in a vise and measuring
- Valve open height should be coil bind plus .100 or more
- Coil bind plus .050 has been used but the life of the spring will be less