

STREET PERFORMANCE VALVE SPRINGS

Part Number	Spring Diameters				Spring Loads			Spring Rate	Max Coil Bind	Max Lift	Recommended Matching Components				Comments
	OD Outer	ID Outer	Damper	ID Inner	Installed Height (Valve Closed)	Open Load (Valve Open)	Titanium Retainers				Steel Retainers	Spring Seats	Spring Cups		
PAC-1200	1.244	0.860	YES	0.770	125 @ 1.750	350 @ 1.250	450	1.100	0.550	N/A	N/A	N/A	N/A	Small diameter to fit stock pocket without machining. Single spring with a damper.	
PAC-1201	1.260	0.860	Yes	0.770	140 @ 1.750	410 @ 1.200	540	1.115	0.550	N/A	N/A	N/A	N/A	Small diameter to fit stock SBC pocket without machining. Single spring with a damper. High rate for aggressive cam.	
PAC-1202	1.244	0.8860	No	0.624	160 @ 1.750	484 @ 1.150	540	1.100	0.575	N/A	PAC-R334	PAC-S128	N/A	Dual spring for aggressive cams.	
PAC-1203	1.260	0.860	No	0.624	145 @ 1.800	511 @ 1.200	610	1.115	0.650	N/A	PAC-R334	PAC-S128	N/A	Dual spring for aggressive cams.	
PAC-1205	1.304	0.950	No	0.694	155 @ 1.800	410 @ 1.150	392	1.000	0.700	PAC-R435	PAC-R516	PAC-S129	N/A	Small diameter dual spring mostly targeted for high lift LS engines.	
PAC-1221	1.300	0.895	No	0.655	135 @ 1.800	400 @ 1.150	408	1.080	0.650	PAC-R416 PAC-R516	PAC-R316 PAC-R616*	PAC-S121	N/A	Dual LS1 high end street / strip spring for applications up to 0.650 lift. This spring features an ovate wire outer spring with a round wire inner spring for reduced stresses at high lifts and speeds.	
PAC-1512	1.102	0.806	No	0.580	110 @ 1.470	300 @ 0.920	346	0.850	0.575	PAC-R539	N/A	PAC-S132	N/A	Ford modular engine dual spring for high lift and high RPM applications.	
PAC-1521	1.300	0.895	No	0.655	160 @ 1.800	425 @ 1.150	408	1.080	0.700	PAC-R416 PAC-R516	PAC-R316 PAC-R616*	PAC-S121	N/A	Nitrided dual LS1 high end street / strip spring for applications up to 0.700 lift. Similar to the PAC-1221 but with the nitriding and Nano Peen Spring processing.	

* Steel retainers listed are lightweight Pacaloy Billet Tool Steel – matching seats need to be used

LS ENGINE VALVE SPRINGS

Part Number	Spring Diameters				Spring Loads			Spring Rate	Max Coil Bind	Max Lift	Recommended Matching Components				Comments
	OD Outer	ID Outer	Damper	ID Inner	Installed Height (Valve Closed)	Open Load (Valve Open)	Titanium Retainers				Steel Retainers	Spring Seats	Spring Cups		
PAC-1205	1.304	0.950	No	0.694	155 @ 1.800	410 @ 1.150	392	1.000	0.700	PAC-R435	PAC-R335	PAC-S129	N/A		
PAC-1215	1.290	0.885	1.055	0.650	105 @ 1.800	293 @ 1.200	313	1.140	0.600	PAC-R510 PAC-R511	PAC-R310 PAC-R311	PAC-S111	N/A	OEM type LS1 ovate beehive valve spring for applications up to 0.600 lift. This is a drop-in spring that fits stock seats and retainers. This spring has higher loading for more demanding applications.	
PAC-1218	1.290	0.885	1.055	0.650	130 @ 1.800	318 @ 1.200	313	1.140	0.600	PAC-R510 PAC-R511	PAC-R310 PAC-R311	PAC-S111	N/A	Performance LS1 ovate beehive valve spring for applications up to 0.600 lift. This is a drop-in spring that fits stock seats and retainers. This spring has higher loading for more demanding applications.	
PAC-1221	1.300	0.895	No	0.655	135 @ 1.800	400 @ 1.150	408	1.080	0.650	PAC-R416 PAC-R516	PAC-R316 PAC-R616	PAC-S121	N/A	Dual LS1 high end street / strip spring for applications up to 0.650 lift. This spring features an ovate wire outer spring with a round wire inner spring for reduced stresses at high lifts and speeds.	
PAC-1335	1.300	0.900	N/A	0.616	250 @ 1.800	860 @ 1.050	813	0.985	0.800	PAC-R532	N/A	PAC-S128	N/A	Small diameter drag race valve spring for high lift LS style engines. Lightweight spring for very aggressive valve trains - high RPM potential.	
PAC-1518	1.290	0.885	1.055	0.650	130 @ 1.800	318 @ 1.200	313	1.140	0.650	PAC-R510 PAC-R511	PAC-R310 PAC-R311	PAC-S111	N/A	High performance LS1 spring that features additional nitriding processing for increased durability for high lift applications up to 0.650 lift. This spring remains a drop in replacement for extremely high demanding applications.	
PAC-1521	1.300	0.895	No	0.655	160 @ 1.800	425 @ 1.150	408	1.080	0.700	PAC-R416 PAC-R516	PAC-R316 PAC-R616	PAC-S121	N/A	Nitrided dual LS1 high end street / strip spring for applications up to 0.700 lift. Similar to the PAC-1221 but with the nitriding and Nano Peen Spring processing.	
PAC-1530	1.284	0.900	No	0.616	160 @ 2.000	580 @ 1.250	560	1.180	0.750	N/A	N/A	N/A	N/A	Small diameter lightweight spring for lightweight valvetrains.	