



Valve Spring



CLASSIC



11-2060



11-2063



S&S Complete Valve Spring Kits for 1948-1984 Big Twins. Each kit includes springs, top collar, lower collar, retainers and shims.

VT No. Top Collar Type
 1948-E81 with Cam to .590" lift
 11-2060 Steel
 11-2061 Titanium
L1981-84 with Cam to .590" lift
 11-2063 Steel
 11-2064 Titanium



S&S Valve Spring Kits Pan-Shovel 1948-84 Big Twin to be used with stock style guides and lower spring collars, stock 3/8" diameter valves, and stock keepers. By grinding .060 to .090 off the tops of the valve guides cams with lifts up to .550" may be used. Kit includes 4 aluminum top collars and 4 of each inner & outer springs.

VT No. 13-9226



Andrews Valve Gear 1966-84 Shovel 74 & 80.

VT No. Fits
 11-9877 Upper Collar, T-6 Aluminum for .600 lift, 4 piece set
 11-9878 Upper Collar, T-6 Aluminum, Adds .060" spring travel, medium lift
 11-9879 Low profile, lower spring collars, accepts 80-up guides +K Line seals, also provides easier installation of high lift cams
 13-9250 Hi-Lift Spring Set



Manley Evo/TC-88 Valve Spring Kits 74 & 80 FL-FX .495 Lift Kits except Evolution

VT No.	Collars Top	Combined Loads	Coil Bind	Recommended Cam Lift
11-9229	Titanium	140 @ 1.480 300 @ 1.000	.950	Stock-.500"
11-9235	Titanium	140 @ 1.480 300 @ 1.000	1.150	Stock-.500"

The above ".495" lift kits do not require cylinder head machining for installation. These kits are supplied with lower collars that allow additional spring travel as compared to stock collar and provides these kits the ability to accept camshafts up to .495" lift.

Note: 11-9229 is for stock stem diameter valves, 11-9235 is for thin stem valves only.

Manley Valve Kits. 74 & 80 FL-FX .500"-.600" Lift Kit except Evolution

VT No.	Combined Loads	Coil Bind	Recommended Cam Lift
11-9612	180 @ 1.600 320 @ 1.100 360 @ 1.000	.930	.500-.600

The above kit features tri-spring (outer-intermediate-inner) interference fit to reduce harmonics and control spring surge. Additional machining is required to lower the height of the valve guide to avoid interference with the top collar. Springs have more pressure than stock but can be used with .500" lift or .600" lift cams. Includes titanium top collars.

74 & 80 FL-FX .465" Lift Kit except Evolution

VT No.	Combined Loads	Coil Bind	Recommended Cam Lift
11-9613	150 @ 1.450 300 @ 1.000	.950	Stock .465

The above kit does not require machining for installation. However, do not exceed .465 lift due to the potentially high stress on the springs. The springs are interference fit to help the harmonics. Supplied with steel top collars. Use with stock stem diameter valves only.



11-9625

1948-84 Valve Springs and Retainers by Crane. Thermo-cool coated springs reduces friction and disperses heat quicker than a stock spring. Order set of 4 upper retainers separately

VT No.	Item	Type
11-9625	Valve Spring Set	Thermo-Cool
13-9172	Valve Spring Set	Performance
11-7750	Upper Retainer Set	Chrome Moly
11-7751	Upper Retainer Set	Titanium