

MOTORCYCLE BEEHIVE VALVE SPRINGS

Ferrea Racing Components introduces our new PAC Alloy Beehive Valve Spring series for Motorcycle applications. These single Beehive form valve springs are designed and optimized to reduce valvetrain harmonics, provide greater spring stability, and reduce spring and retainer masses for increase performance and durability in today's harsh engines environments.

PAC Alloy Beehive Valve Springs are developed from premium grade super-clean **PAC Alloy** material designed for racing applications. These valve springs are crafted using the latest technology in manufacturing and processing techniques through the use of state-of-the-art equipment unmatched throughout the industry.

Our springs are progressively coiled with tighter tolerances, heat treated, stress relieved, and multistage shot peen for extended life and durability. Strict quality control procedures and cycle testing ensures consistency from batch-to-batch.

We have expanded our valve spring line offering **PAC Alloy Beehive Ovate (Oval/Multi-Radius)** wire shape designed to withstand aggressive endurance requirements. Key advantages in using an ovate wire shape are better heat dissipation for longer life, and valvetrain stresses are more effectively distributed over the entire wire shape extending spring life and enabling more horsepower. They have the highest level of fatigue resistance available, while minimizing load loss for today's aggressive valvetrain combinations.



Part N°	Type/Material/ Application	O.D.	I.D.	Seat Press.	Open Press.	Rate Inch	Coil Bind	Max Net Lift
HARLEY DAVIDSON - TWIN CAM (2005-2008)								
S2019	Single Beehive .PAC Alloy Drag Racing applications	1.080 1.445	.650 1.000	195 lbs @1.810	380 lbs @1.310	370 lbs	1.185	.600
	This Spring requires Ferrea Titanium Retainer # E12028 and Ferrea Spring Seat Locator # SL1095 or Factory supplied Seat Locator							
S2020	Single Beehive Ovate. PAC Alloy Nitrided Endurance applications	1.100 1.445	.650 1.000	190 lbs @1.810	380 lbs @1.310	370 lbs	1.165	.610
	This Spring requires Ferrea Titanium Retainer # E12028 and Ferrea Spring Seat Locator # SL1095 or Factory supplied Seat Locator							