



### Crane Valve Guide Seals

Made from Teflon for long-lasting valve seal performance. Sold in sets of four.

- 24506** Fits Panhead and Shovelhead models from 48-84 (may require machining of guides)
- 24507** Fits Evolution and Twin Cam 99-01 Big Twin models with stock guides
- 24508** Fits Evolution Big Twin models with full-size aftermarket guides (may require machining of guides)



### Vulcan Engineering Rocker Arm Support

Machined from 7075 Billet Aluminum. Fits all Twin Cam motors. This Beefed up Support will eliminate flexing when using high lift cams and stiff valve springs. Hard coat anodized.

- 668151** Rocker Arm Support
- 668152** PCV Valve Housing



### Roller Rocker Arms with Shafts by Custom Chrome

These roller rocker arms offer quality and performance at a budget price. Reduce valve train friction for more performance and less wear. Sold in sets of four including shafts.

- 659634** Roller rocker arm set. Fit Big Twin models from 84-Up.



55139



55164

### Kibblewhite Valve Seals

State-of-the-art design assures critical engine sealing with minimal wear. Kibblewhite has over 60 years experience supplying motorcycle race engine parts.

#### For Big Twin and Twin Cam 88 Engines

Red 100% Viton valve stem seals are designed to have optimum fitment, allow for maximum lift, and to give maximum life. KPMI Red valve stem seals are resistant to high temperatures, petroleum products and the corrosive gasses that are the by-products of combustion. These seals retain their ability to seal in situations where other materials could harden and allow oil to enter the combustion chamber causing detonation, carbon build up and a loss of power. Metal-reinforced .420" x .310" size. Sold as a (sets of 4).

#### Sold as a set of 4.

- 55139** Fits Evolution Big Twin models 84-99 and Twin Cam 88 models 99-04

#### For Shovelhead Engines

Solid white PTFE seal with retaining and choker springs for 3/8" valve stem and .562" guide top. Kibblewhite solid white PC Style valve seals are made from the high temperature thermoplastic polymer PTFE. PTFE material does not have "memory" and therefore is subject to creep. Creep allows the seal to conform to mating surfaces. Also, fillers have been used to keep the material stable and to reduce friction. PTFE is known to retain its mechanical properties at temperatures as high as 500°F. The twin spring design provides continuous tension on the valve guide and the stem of the valve. Sold as a (sets of 4).

#### Sold as a set of 4.

- 55164** Fits Panhead and Shovelhead Big Twin models 48-84



### S&S Roller Rockers for Evolution and Twin Cam Engines

Hardened aircraft steel and pressed in bushings give these rocker arms the highest wear resistance and durability possible. For use in Big Twins from 84-14 with cam lifts to .710" and Evolution Sportster models from 86-03 with cam lifts to .650". Designed for use with adjustable pushrods to obtain correct valve lash adjustment. S&S recommends new rocker arm shafts for maximum performance and mileage.

- 45690** Set of four rocker arms

- 45691** Replacement set of four rocker shafts



### Manley Viton Seal Kit Kits

Viton seals have taken over the horsepower market. With their smaller O.D., spring interference is unlikely. They meter the oil better, allowing better lubrication but not too much. The sealing rings will last longer than normal. A far superior valve seal than most others.

- 699180** Fits Sportster models from 57-85
- 699181** Fits Panhead and Shovelhead models from 48-E80
- 699182** Fits Shovelhead models from late 80-84
- 699183** Fits Evolution Sportster models from 86-13, and Big Twins from 84-04
- 699184** Fits Twin Cam models from 05-14



### RevTech Roller Rocker Arms for Evolution and Twin Cam Models

These rocker arms extend cylinder head service life giving you more miles between tear-downs, reduced friction and more power. The rolling action virtually eliminates side thrust when opening and closing the valves, minimizing the wear on your engines valve stems, guides and seals. Concealed push rod seats are induction-hardened to 58-60 Rockwell C for scuff resistance and long-term durability. Computer-designed bodies are extra-thick and made of 4140 investment cast chromemoly steel that has been normalized to HRC35 for strength and toughness. Concealed oilways between the pushrod seats and the rollers provide reliable lubrication. Rollers are precision-machined from ball race-quality steel before being hardened and ground with a super-finished bore before being fitted to a heat-treated roller pin. Shaft bushings are steel backed and bronze laminated for extreme wear resistance. Set of 4.

- 659635** RevTech roller rocker arm complete set. Fits all Big Twins 84-Up and Evolution Sportster models from 86-Up