

PPSF20 Sucker Rod Guides

Low-glass-filled material for high performance and durability

Applications

- Reciprocating rod lift systems
- Conventional and unconventional oil and gas wells
- High water-cut, sand, or brine applications/high-side loads
- Hot-oiling applications
- Chemical-treated wells

Features and Benefits

- Paired with the proper rod guide design for the application, PPSF20 material extends runtimes, reduces downtime
- The PPSF20 material is made from a compound that is less abrasive than most rod-guide materials, improving tubing protection and reducing tubing wear
- Excellent resistance to aromatics, corrosion inhibitors, acids, CO₂ and H₂S and a variety of chemicals

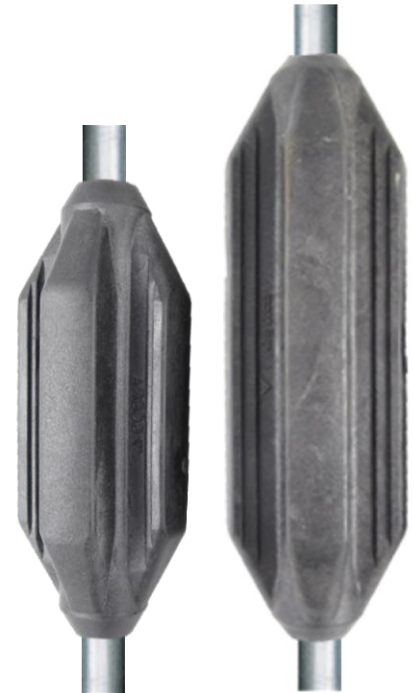
Tool Description

Weatherford PPSF20 sucker rod guides are made of premium thermoplastics reinforced with 20% glass for added strength and lower abrasive properties. The PPSF20 is the latest rod-guide solution added to the Weatherford production portfolio, this technology is developed to extend run life on tubing while maintaining guide durability. Weatherford PPSF20 rod guides are molded directly on the sucker rods for added strength and reliability.

Weatherford PPSF20 sucker rod guides are available in a range of different sizes and configurations to meet most demanding applications. PPSF20 is engineered to meet most applications, including resistance to aromatics and variety of chemicals, while operating in high-sideload applications.

Specifications

Item	Weatherford specs
Based polymer	PPS
Glass fiber content	15 to 20%
Max temperature	400°F (204°C)
Rockwell hardness (R scale)	110
Tensile strength	15.9 ksi (110 MPa)
Elongation at break	2%
Charpy notched impact strength	8 KJ/m ²



PPS2 Cobra

PPS20 King Cobra

