

PPS-X High-Temperature Rod Guide Material

Features a uniquely formulated material that delivers long-lasting performance in extreme applications

Applications

- Reciprocating-rod-lift wells
- Deep wells with temperatures up to 500°F (260°C)
- Highly deviated wells
- Wells with high water cut, sand, or brine
- Hot-oiling applications
- Sweet- or sour-crude wells
- Wells with high side loads

Features and Benefits

- Paired with the proper rod-guide design for the application, the unique PPS-X material extends runtimes, reduces downtime, and increases production in rod-pumped wells.
- A proprietary formulation enables the material to remain durable in temperatures up to 500°F (260°C), which enables longer runtimes for continuous production.
- The PPS-X material is made from a compound that is less abrasive than standard rod-guide materials, so it protects tubing surfaces better in lower-lubricity conditions, such as high-water-cut wells.
- All sizes and configurations of Weatherford reciprocating sucker rod guides are available with PPS-X material to optimize performance across a variety of well conditions.

Tool Description

Sucker rod guides made with Weatherford PPS-X material can withstand extreme applications in which other rod-guide materials fail or wear out quickly.

First developed for use in the Eagle Ford shale play, the unique PPS-X material excels in deep wells with temperatures up to 500°F (260°C). With improved wear and high impact resistance, the PPS-X composite is also recommended to provide extra protection against the metal-to-metal friction and heavy side loads common in highly deviated wells. In wells with high water cuts and low lubricities, the PPS-X material reduces abrasion to protect the tubing better against friction wear.

Specifications

Material	PPS-X
Base polymer	PPS
Maximum continuous-use temperature	500°F (260°C)



All sizes and configurations of Weatherford reciprocating sucker rod guides are available with long-lasting PPS-X material. For proper performance, it is essential to select the rod-guide design that is best suited for the application.

