



Rifled “Shorty” Plunger

Weatherford’s rifled “shorty” plunger provides operational efficiency in deviated, doglegged, or S-shaped wells. The reduced length of 9 in. (228.6 mm) enhances the ability of the plunger to reach bottom and return to the surface through corkscrewed tubing. The rifle grooves on the nose cause rotation to ensure uniform wear and aid travel in the presence of sand and fines.

Applications

- For deviated, corkscrewed, or S-shaped wells
- Can also be used in wells making sand or fines and during initial plunger-lift operations to clean up a well before installing a conventional pad-type plunger

Features, Advantages and Benefits

- The reduced length enables efficient travel through deviated or corkscrewed wells, increasing production.
- The rifled bottom nose ensures rotation for uniform wear and tolerance to sand or fines, improving production and cost savings.
- The plunger is available in 17.4-PH material, enhancing its corrosion resistance and increasing cost savings.
- The plunger is heat-treated with an AISI 4140 alloy-steel construction, improving the durability and run time of the plunger and reducing operational expenditures.

