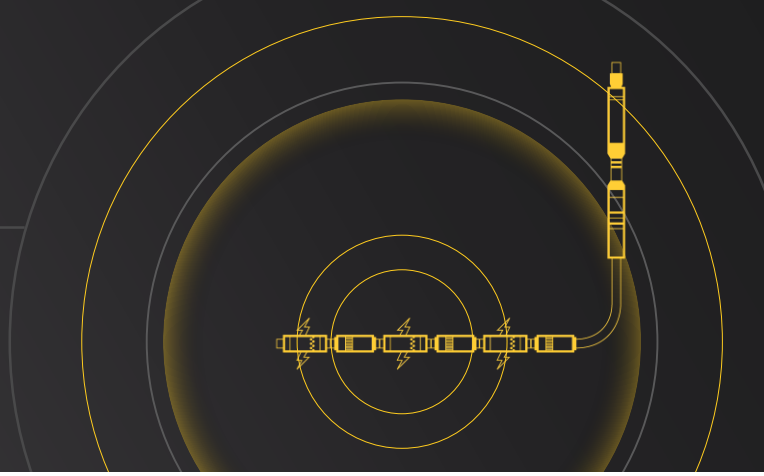


TECH DATA SHEET

Frontier PermaFlex Hydraulic Liner Hanger



OVERVIEW

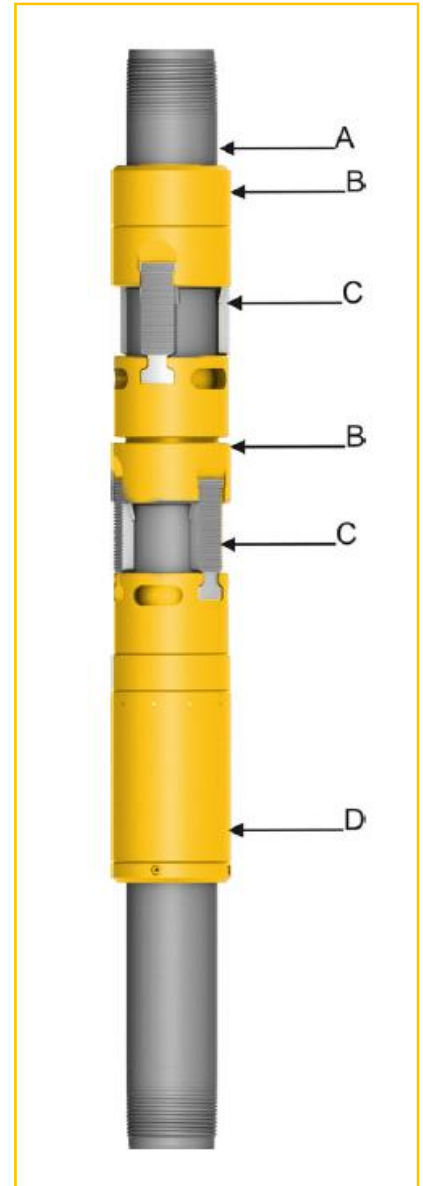
The PermaFlex Liner Hanger is a Hydraulic Set Liner Hanger. The Hanger has Multiple Slip sets that allow for higher hanging loads to be suspended without causing casing damage. Constrained Slips also allow for rotation while running the liner downhole and are held firmly to the cone preventing slip damage.

FEATURES

- Hydraulic Set
- Rotation can be applied while being Deployed
- Multiple Slip Set Allowing for Higher Hanging Load Capacity
- Setting Sleeve Prevents Prematurely Setting
- Full ID Mandrel
- High Burst and Collapse Pressure Rating
- 10,000 PSI Differential Pressure Rating

APPLICATIONS

- Compatible with LTSeries Liner Top Packer
- Deviated Wells
- Used when Downhole Mechanical Manipulation is a Concern



PERMAFLEX LINER HANGER SPECIFICATION

Basic Information	
Liner Size & Weight	9-5/8" 47#
Casing Size & Weight	13-3/8" 68 - 72#
Packer Grade	Q-125
Differential Rating	10,000 psi
Thread	Metal to Metal

Dimensional Information 9-5/8" x 13-3/8"	
A	10,000"
B	12,125"
C	12,000"
D	12.125"
E	8.681"

Mechanical Specifications 9-5/8" x 12-3/4"	
Tensile (lbs)*	2,419,050
Hanging Capacity (lbs)**	310,654
Body Burst (psi)	16,488
Body Collapse (psi)	12,212
Cylinder Collapse (psi)	14,973
Cylinder Burst (psi)	13,372

* Or by Thread

** Limited By Hanging Capacity

