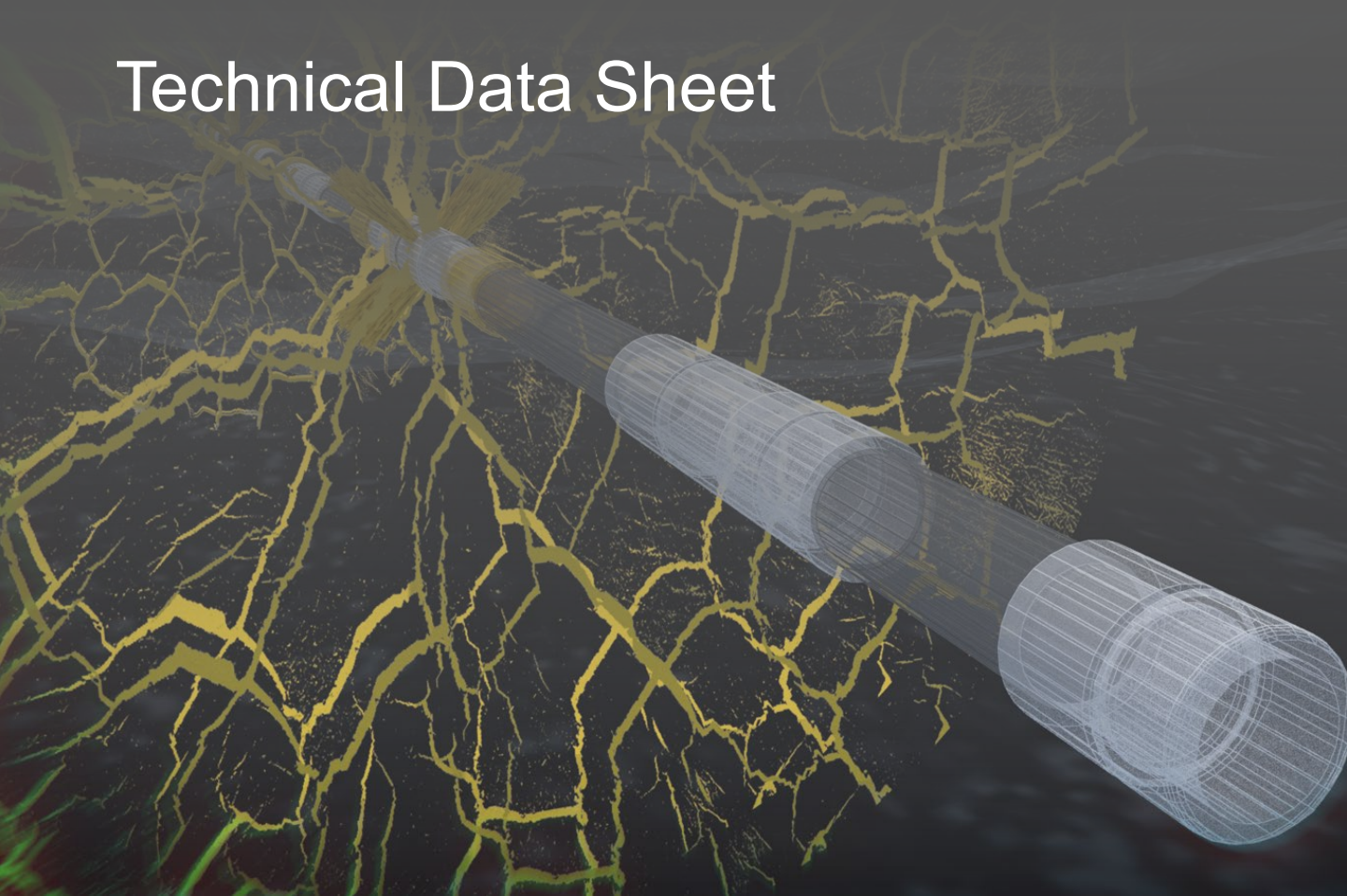




**Frontier**  
Oil Tools

# Frontier PermaFlex Hydraulic Liner Hanger

Technical Data Sheet



## OVERVIEW

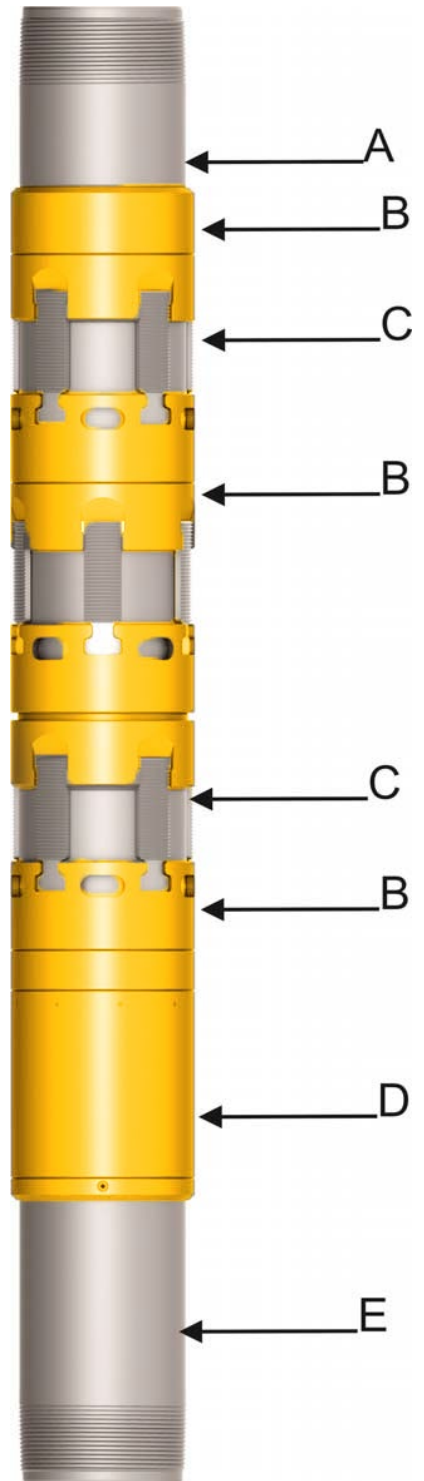
The PermaFlex Liner Hanger is a Hydraulic Set Liner Hanger. The Hanger has Multiple Slip sets that allow for higher hanging loads to be suspended without causing casing damage. Constrained Slips also allow for rotation while running the liner downhole and are held firmly to the cone preventing slip damage.

## 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 PermaSeries Liner Top Packer
- Deviated Wells
- Used when Downhole Mechanical Manipulation is a Concern



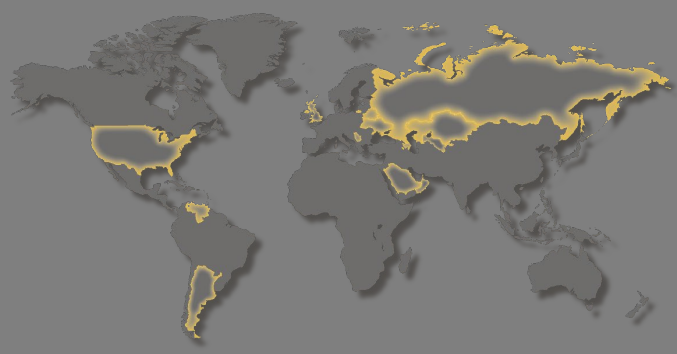
# PermaFlex Liner Hanger Specification

Basic Information	
Liner Size & Weight	9-5/8"
Casing Size & Weight	12-3/4" 57 – 65.4#
Packer Grade	Q-125
Thread	Metal to Metal

Dimensional Information 9-5/8" x 12-3/4"	
A	9.625"
B	11.438"
C	11.438"
D	11.438"
E	9.625"
F	8.755"

Failure Limits 9-5/8" x 12-3/4"	
Tensile (lbs)*	1,569,873
Hanging Capacity (lbs) N-80	513,099
Hanging Capacity (lbs) P110	705,440
Body Burst (psi)	11,299
Body Collapse (psi)	4,625**
Cylinder Collapse (psi)	12,149
Cylinder Burst (psi)	11,073

\* Or by Thread  
 \*\* Check Burst of Host Casing String



Frontier Oil Tools is a subsidiary of NewTech Services Holding Limited, an international oilfield services company *founded in 2009.*

NewTech Services Holding Limited develops technology and expertise within 4 Business Divisions: Drilling Services, Completion Systems, Integrated Project Management and Capital Equipment.

NewTech Services Holding Limited supplies technology products and services to the oil and gas exploration and production industry in Russia and CIS, Europe, Middle East, North and South America.

Frontier Oil Tools is a subsidiary of NewTech Services Holding Limited specializing in completion technology products and services.

**Phone:**

**1.713.325.2021**

**Address:**

**6230 BINGLE ROAD**

**HOUSTON, TEXAS 77092**

[www.frontieroiltools.com](http://www.frontieroiltools.com)

[www.nt-serv.com](http://www.nt-serv.com)

