

TECH DATA SHEET

Frontier PermaFlex Hydraulic Liner Hanger



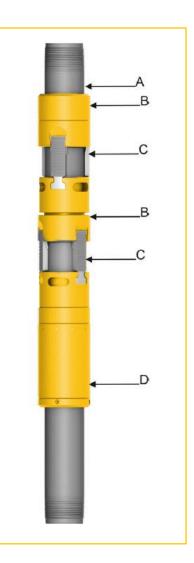
The PermaFlex Liner Hanger is a Hydraulic Set Liner Hanger. The Hanger has Multiple Slip sets that allow for higher hanging loads to be suspended without causing casing damage. Constrained Slips also allow for rotation while running the liner downhole and are held firmly to the cone preventing slip damage.

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



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PLETION SYSTEMS WELL COMINEL TO a international oilfield services company founded in 2009. New rear Services r Oil Tools is a subsidiary of NewTech Services Holding Limited, an international oilfield services company founded in 2009. New rear Services J Limited develops technology and expertise within 4 Business Divisions: Drilling Services, Completion Systems, Integrated Project Management aptal Equipment, NewTech Services Holding Limited supplies technology products and services to the oil and gas exploration and production aptal Equipment, NewTech Services Holding Limited South America. Frontier Oil Tools is a subsidiary of NewTech Services Holding Limited



PERMAFLEX LINER HANGER SPECIFICATION

Basic Information		
Liner Size & Weight	3-1/2" 9.2#	
Casing Size & Weight	5-1/2" 20-23#	
Packer Grade	API P-110	
Thread	API NU-10 Rnd	

Dimensional Information 3-1/2" x 5-1/2"	
А	3.500"
В	4.375"
С	4.375"
D	4.375"
E	2.992"

Mechanical Specifications 3-1/2" x 5-1/2"		
Tensile (lbs)	284,921	
Body Burst (psi)	15,966	
Body Collapse (psi)	13,530	
Cylinder Collapse (psi)	13,122	
Cylinder Burst (psi)	11,875	

Hanging Capacity (lbs)		
Casing Grade	Single Cone	Dual Cone
20# P-110 Casing	131,930	263,861
23# P-110 Casing	151,665	303,330

* Or by Thread

Basic Information		
Liner Size & Weight	4" 11.6#	
Casing Size & Weight	5-1/2" 17-20#	
Packer Grade	API Q-125	
Thread	API NU-10 Rnd	

Dimensional Information 4" x 5-1/2"	
А	4.000"
В	4.563"
С	4.563"
D	4.563"
Е	3.476"

Mechanical Specifications 4" x 5-1/2"		
Tensile (lbs)	320,486	
Body Burst (psi)	14,419	
Body Collapse (psi)	8,863	
Cylinder Collapse (psi)	7,675	
Cylinder Burst (psi)	8,107	

Hanging Capacity (Ibs)		
Casing Grade Single Cone Dual C		Dual Cone
17# P-110 Casing	111,099	222,198
20# P-110 Casing	131,930	263,861

* Or by Thread

