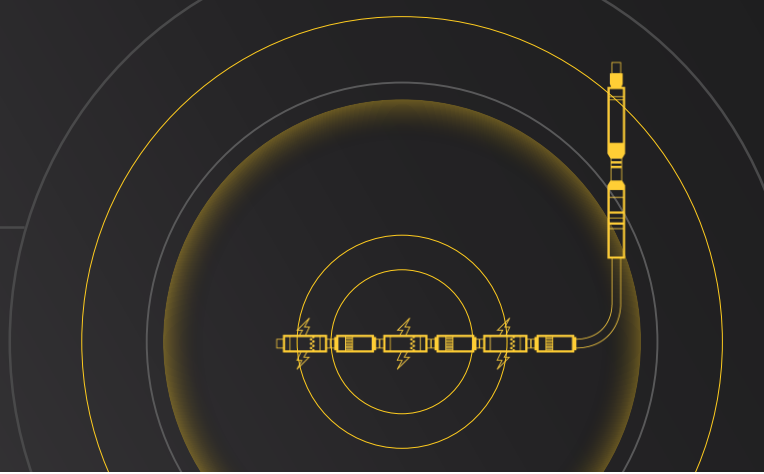


**TECH DATA SHEET**

# Frontier Permanent Casing Packer



## OVERVIEW

The Permanent Casing Packer is designed to isolate the casing from lower horizontal zones whether it be bad casing below, open hole or other applications. A major feature of the slimline design is the benefit of being able to run standard artificial lift equipment through the ID rather than having to size down equipment or require the standard equipment to be set higher in the wellbore, reducing efficiencies and/or production rate.

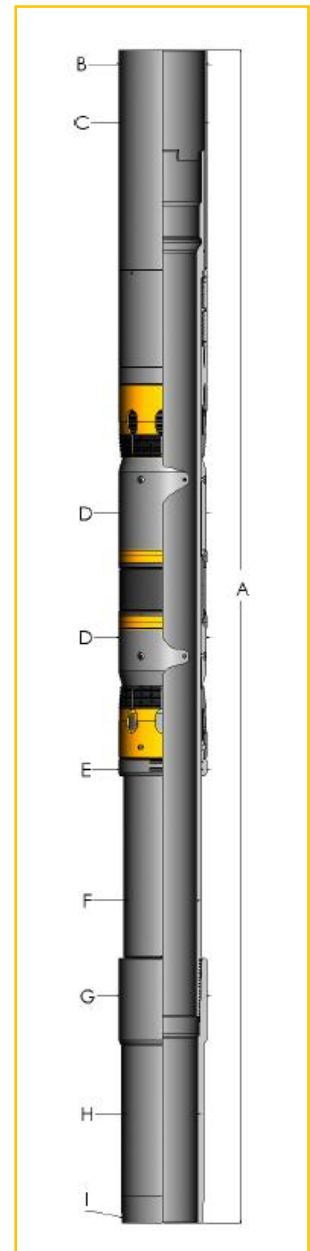
The tool is set using a premium hydraulic setting tool. The Hydraulic Setting Tool incorporates rotational locks for the ability to rotate in, as well as anti-preset features to prevent hydraulic preset. Once the pistons within the setting tool are hydraulically activated, the rotational lock dis-engages allowing to rotate off the tool once set.

## FEATURES

- One-Piece Element, Protected with Metal to Metal Extrusion Rings to Resists Swabbing During Circulation
- Fully ISO V3 Tested & Verified to 6,000psi at 250°F
- Unique Slip Design Helps Prevent Pre-Set and Ideal for High Deviated Wells & Doglegs
- Slip Design Minimizes the damage on Old Casing
- Integral Body Lock Ring System Mechanically Traps Setting Force into Packing Element
- Large Bore Size – Resulting ability to Run Artificial Lift Equipment Lower or Have Larger ID Liner for Higher Production Rates
- Eliminates the Need for Drill Collars or Heavy Weight Pipe with Traditional Set Second Run Packers when Run-In on Tubing
- Setting Tool Designed with Anti-Preset and Rotational Lock Mechanisms Built-In
- Rotational while being Deployed

## APPLICATIONS

- Used with Hydraulic or Mechanical Liner Hanger
- Prevents Gas Migration Liner & Casing
- Gives a Secondary Seal to Cement



### Specification

Tool Size	Max OD (IN)	Min ID (IN)	Hanging Capacity	Material	Differential Rating	Temperature Rating
5-1/2" 23# x 7" 29-32#	5.880"	4.545"	150,000lbs	P-110	6,000psi	250F
5-1/2" 17# x 7" 23-26#	6.050"	4.892"	150,000lbs	L-80	5,000psi	250F

HNBR Elastomer Compound

Dimensional Information 5-1/2" 23# x 7" x 29-32#	
A**	79.00"
B	5.880"
C	5.690"
D	5.855"
E	5.880"
F	4.545"
G	5.880"
H	4.670"
I	5-1/2" BTC Pin

\*\* Length varies depending if TBR is required

Dimensional Information 5-1/2" 17# x 7" x 23-26#	
A**	79.00"
B	6.050"
C	5.860"
D	6.025"
E	6.050"
F	4.892"
G	6.050"
H	4.892"
I	5-1/2" BTC Pin

\*\* Length varies depending if TBR is required

