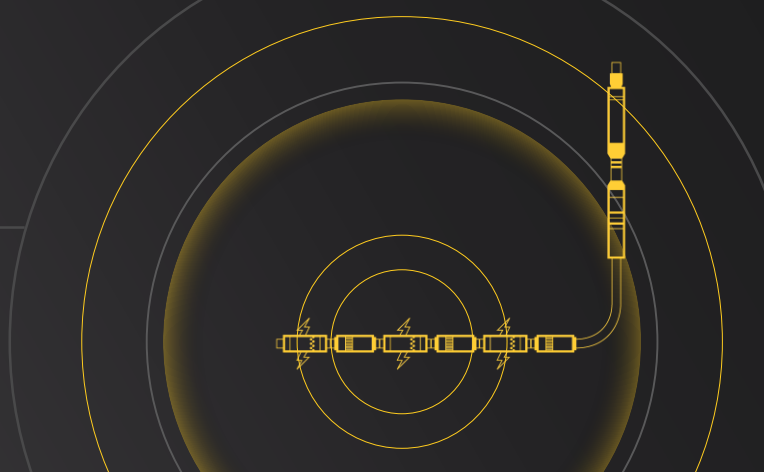


TECH DATA SHEET

Frontier Liner Wiper Plug

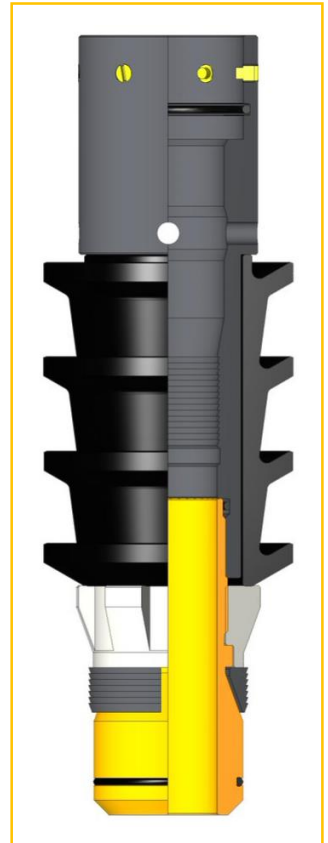


OVERVIEW

The Liner Plug (LWP) is a rubber wiping device used in liner hanger applications. Attached to the end of the liner hanger running tool, the LWP is launched upon recipe of the drill pipe wiper plug. The plug assembly provides a mean of septation between the cement and the displacement fluid (drilling mud), preventing cross contamination during liner cementation. It also serves to wipe the inner diameter (ID) of the liner pipe to prevent sheathing or sticking of hardened cement to the inside of the liner.

FEATURES

- Ported design allows fluid venting in the annular space
- ID latching profile receives drill pipe wiper plug
- OD latching profile securely locks into landing collar
- 5,000 psi pressure rating from above and below when plugs are latched
- Locking feature prevents spinning during drill out
- PDC drillable aluminum construction



Specifications and Dimensions

Liner Size	Casing Weight	Wiper Fin OD	Elastomer	Liner Wiper Seal Bore ID	Liner Wiper Nose OD	Number of Shear Pins	Value of Shear Per Pins	Liner Size
4.5"	11.6 - 15.1#	4.10"	HNBR	1.871"	2.501"	6	721psi +/- 5%	4.5"
**4.5"	11.6 - 15.1#	3.50" & 4.18"	HNBR	1.871"	2.501"	6	721psi +/- 5%	**4.5"
5"	18 - 23.2#	4.75"	HNBR	1.871"	2.501"	6	721psi +/- 5%	5"
7"	26 - 32#	6.79"	HNBR	2.207"	3.031"	8	361psi +/- 5%	7"

** Combination Liner Wiper to Pass 3.25" Restriction

