



### FEATURES & BENEFITS

- Eliminates need for extra-long PBR's for sealing in and locating on setting sleeves
- Eliminates the need for setting sleeve seal
- Rated to 7,500 psi Primary
- Rated to 2,500 psi Thermal at 600 °F
- Rated to strength of Liner
- Does not restrict ID or integral strength of ProFrac Liner Top Packers
- Threads are machined and compatible with most blank, perforated or sand control liners

## PRO-FRAC

### Tie Back Tool

Pro-ESI's ProFrac Liner Top Packers are engineered with one piece mandrels complete with integral PBR, allowing the operator to tie-back the liner by utilizing Pro-ESI's ProFrac Tieback Nipple Line. Eliminating the need to tie-back to a setting sleeve of a liner top mechanism dramatically decreases potential leak paths. The ProFrac Tie-Back Nipples guarantee a high quality seal, are ultra short and snap, lock or locate directly into the mandrel of the ProFrac Liner Top Packer.

There are three basic configurations of the ProFrac Tie-Back Nipples:

- Locator Type: Set down to enter PBR with seal and over pull to exit seal from PBR. (No rotation required)
- Snap Locator Type: Set down to enter PBR with seal and over pull by predetermined amount to 'snap' seal from PBR. (No rotation required). Note: release force has to be predetermined and pre ordered.
- Latch Locator Type: Set down to enter and latch Seal into PBR and over pull with ¼ turn of right hand rotation at the tool releases Latch Locator from PBR

*Note: only used when being run with jointed work string as rotation torque is required.*

#### DIMENSIONAL SPECIFICATIONS

	3.5 x 5.5 (88.9 - 139.7)	4.5 x 7 (114.3 - 177.8)
Size in (mm)		
Max OD, in (mm)	4.5 (114.3)	5.41 (138.4)
Length, ft (m)	2.5 (0.76)	3.0 (0.91)
Max Pressure psi (mPa)	10,000 (68,948)	10,000 (68,948)
Tensile lbf (KN)	200,000 889	300,000 1334
Temperature Rating, °F (°C)	350 (177)	350 (177)
Top Connection in (mm)	3.5" (88.9) Nue Box	5" (127) Nue Box