

TBSA TIE-BACK SEAL ASSEMBLY

APPLICATION

TBSA Tie-back Seal Assembly is designed to provide a pressure-tight connection between tubing and PBR (Polished Bore Receptacle) of the liner string. TBSA protects the string from high pressure during multistage hydraulic fracturing. Multiple seal set is used to create a reliable seal between production tubing and the liner top. When tool reaches the PBR downward force is applied to seal the tool inside the PBR. To prevent string movement during well treatment and production hydraulic anchor should be installed above the TBSA.

- Vertical, directional and horizontal wells.

FEATURES AND BENEFITS

- TBSA has a seal stack that acts as an indication for tool installation.
- Shear force for tool installation can be adjusted by installing the required number of shear screws.
- TBSA PS provides a reliable pressure-tight isolation between the tubing and annulus.
- The tubing should be equipped with a hydraulic anchor to prevent Seal Assembly from upward movement during hydraulic fracturing.
- Hydraulic anchor should be installed one joint above the tool.
- The tool is removed from the PBR after fracturing is finished.



TBSA

SUPPLY PACKAGE

- TBSA Tie-back Seal Assembly.

The hydraulic anchor available separately.

TECHNICAL DATASHEET

TECHNICAL CHARACTERISTICS	VALUE					
Casing/liner OD, in	5.500	6.625		7.000		
PBR ID, in	4.252	4.843		4.843		5.354
Seals OD, in	4.291	4.882		4.882		5.393
Max OD, in	4.803	5.551		5.984		5.984
Min ID, in	3.000	3.000	3.898	3.000	3.898	3.898
Differential pressure, psi	10,000					
Burst, psi	10,000					
Collapse, psi	10,000					
Tensile, kip	202					
Compression, kip	101					
Material*	P-110					
Max working temperature, °F	302					

* Other options are available as per Customer request.