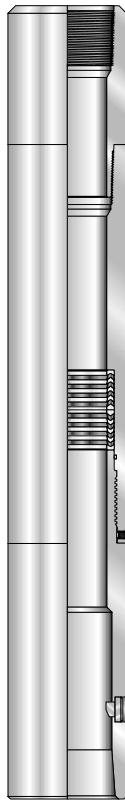
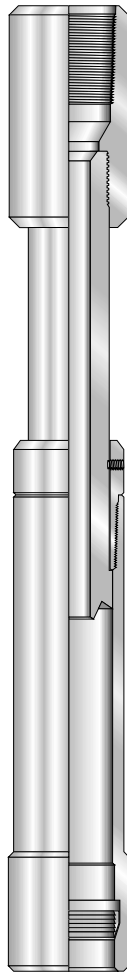


SS-RO Retrievable Packer



SS-RO Overshot Seal



SS-RO Retrieving Tool

SS-RO Retrievable Packer*

Product: SS-RO Packer

Type: Retrievable

Set: Wireline, Hydraulic

Retrieve: Straight Pull via Tubing, Wireline or Coil Tubing

The TIW SS-RO Retrievable Packer combines the characteristics of the field-proven SS Permanent Packer with the economy and flexibility of a retrievable packer. It is ideal for conventional and "tubingless" completions where small sizes of casing and/or production tubing are used. The SS-RO Packer provides operators with the largest packer I.D. available because it places the polished riser above the packer bore and uses an overshot seal. The packer is set hydraulically or on wireline and can be used as a retrievable bridge plug, or for production, injection, fracturing, cementing and testing. A mechanically set model is available but not shown.

Retrieving the SS-RO Packer is accomplished with a special TIW Retrieving Tool, using a straight pull; no rotation is required. The packer can be retrieved on conventional tubing, wireline or coiled tubing.

The SS-RO is available in casing sizes from 2³/₈ to 3¹/₂ inches.

Advantages

- The bi-directional slips, dual cones and Gold Seal Packoff Rings ensure a positive seal holding against high differential pressures from either direction, yet the packer releases easily.
- The Integral Landing Nipple Profile provides a receptacle for plugs, chokes and other flow control devices.
- For high-temperature and H₂S service, the Overshot Seal Unit is available with premium seals.
- The SS-RO retrieves easily with the TIW SS-RO Retrieving Tool. Engage the overshot, pull up, jar down and pull to retrieve.
- The stationary packer seal is not affected by tubing movement.
- Cages slips are protected during run-in.
- Gold Seal Packoff Rings prevent "cold flow." These superior packoffs feature special metal backup rings which extrude to conform to the contour of the casing wall, securely encasing the packoff elements.

Setting

- Wireline — Use the same wireline procedure as with the SS Permanent Packer.
- Tubing — The SS-RO Packer can be set hydraulically on tubing. A mechanically set model is available but not shown.

Retrieving

- Run in hole with the SS-RO Retrieving Tool.
- Tag the packer and set down to engage the tool.
- To release the packer, pick up and jar down.
- Retrieve the SS-RO Packer with a straight pull.

SS-RO Packer Specifications

CASING SIZE			MAXIMUM PACKER O.D.		RISER O.D.		MIN. BORE THRU RISER AND PACKER	
O.D.	WEIGHT RANGE		In.	Mm.	In.	Mm.	In.	Mm.
2 ³ / ₈	4.6	6.8	1 ²⁷ / ₃₂	46.8	1.188	30.2	³ / ₄	19.1
2 ⁷ / ₈	6.4	9.5	2 ¹⁵ / ₆₄	56.8	1.625	41.3	1	25.4
3 ¹ / ₂	9.2-10.2	13.7-15.2	2 ¹¹ / ₁₆	68.3	2.000	50.8	1 ¹ / ₄	31.8

*U.S. Patent No. 4,898,245
 Canadian Patent No. 1,281,998
 U.K. Patent No. 2,200,388B