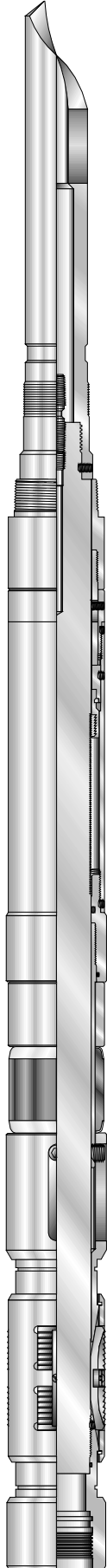
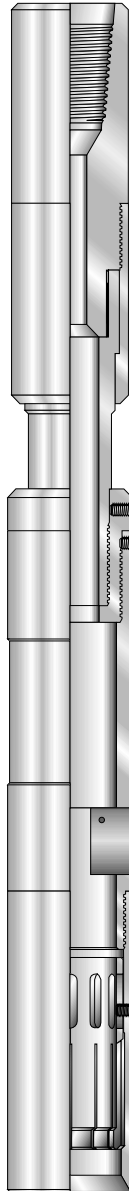




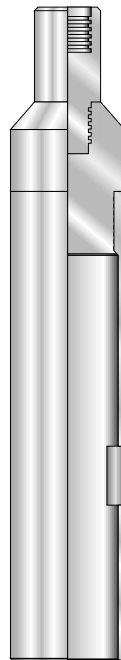
One-Piece  
Whipstock



SS-RO-WS  
Packer



SS-RO-WS  
Overshot-  
Type  
Orientation  
Stinger with  
Releasable  
Latch



Orientation  
Survey Tool

## SS-RO-WS Packer

The SS-RO-WS Retrievable Whipstock Packer combines the characteristics of the field-proven SS-WS Permanent Whipstock Packer with the economy and flexibility of a retrievable packer. It is ideal for anchoring a whipstock in areas where small sizes of casing and/or production tubing are to be sidetracked.

### SS-RO-WS Specifications

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

### SS-RO-WS Overshot-Type Orientation Stinger with Releasable Latch

This stinger includes all the benefits of the SS-WS Anchor Assembly, but it is retrievable. Designed to fit the riser of the SS-RO-WS packer, the overshot-type latch assembly incorporates an internal lug that automatically aligns the slot of the riser.

### Orientation Survey Tool

The Orientation Survey Tool, when made up below a conventional directional survey instrument, is run in the hole and located in the orientation slot of the packer, which allows for a survey of the alignment slot to be taken. Its overshot-type design allows for easy entry over the packer riser regardless of the hole angle.