

Setting Tools

These three tools can be used to set the following TIW packers: SS, SS-BB, SS-RM and SS-WS

TIW provides a complete line of setting equipment to complement its line of SS Packers. Because TIW is dedicated to operational simplicity, the SS, SS-BB, SS-RM and SS-WS packers can be set mechanically, hydraulically or on wireline, with no modification. The setting mode is determined by the setting tool chosen, not the packer. No other packer manufacturer can offer that kind of versatility with an off-the-shelf permanent packer. TIW offers the following tools for setting the SS Packers:

SS Mechanical Setting Tool*

This new tool provides a fast, easy and reliable method for setting production packers in straight or deviated holes. It allows the packer to be set and tested in one trip, keeping rig time to a minimum.

Its large I.D. allows fluids to be circulated without restriction or pressure surges. And because the few moving parts of the SS Mechanical Setting Tool make it extremely simple to operate, it is excellent for directional drilling. In fact, it has set production packers in wells with up to 92° deviation.

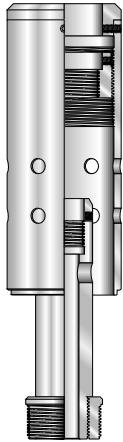
SS Wireline Setting Adapter

The fluid bypass design of the SS Wireline Setting Adapter reduces costly rig time, particularly when heavy-weight muds are being used.

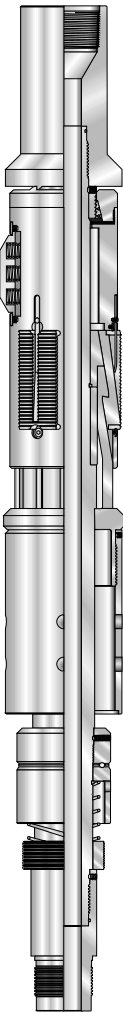
The adapter is used to connect the TIW Packer to any conventional wireline pressure setting assembly in which electrical current ignites a charge, creating the internal gas pressure needed to set the packer. The force created at setting depth will set the packer, shear the release nut, and free the setting adapter from the packer.

SS Hydraulic Setting Tool

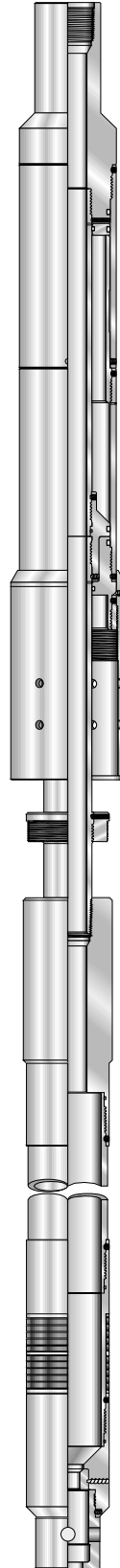
This tool's dual-piston design eliminates the need for high-setting pressures which allows the packer to be set with conventional rig pumps. It also allows the packer to be set and tested in one trip.



Wireline
Setting
Adapter



SS Mechanical
Setting Tool



Dual-Piston
Setting Tool with
Setting Adaptor