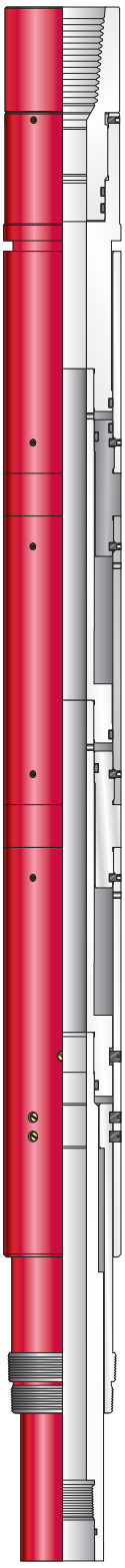
Model WFX Setting Tools



Weatherford's Model WFX setting tools are specifically designed for setting Weatherford's WFX-style BlackCat™ retrievable sealbore packers and for use with the WFX crossover tool. The heavy-duty WFX setting tool can be used as a component of the WFX sand-control system, in gravel-packing or frac-packing applications or deploying a standalone screen. These setting tools have sufficient tensile strength to carry assemblies with high hang weight. They are also capable of overcoming the drag routinely experienced in highly deviated and horizontal wells.

In addition to high-tensile strength, the WFX setting tools can transmit torque to specific versions of the *BlackCat* sealbore packer when the appropriate adapter kits are used. This characteristic enable rotating the packer and liner assembly, when necessary, to enter troublesome liner tops or to travel past bridges and obstructions in open-hole sections.

The WFX setting tools have a large ID to allow high-rate pumping. They are rated for high-pressure service to accommodate the extreme pressures often encountered in high-rate treatments. These tools have a unique feature that is especially desirable when pumping. Once the packer is set, the setting piston is deactivated so that setting forces are not transmitted to the packer's setting sleeve during pumping operations.

Applications

- Frac packing
- Gravel packing
- Standalone screens
- Horizontal completions
- Liner deployments
- Production
- Injection
- Well testing
- Tubing-conveyed perforating (TCP)

Model WFX Setting Tools

Features, Advantages and Benefits

- High tensile strength enables the WFX tool to carry assemblies with high hang weight, enabling more efficient, single-trip completion of long intervals with a screen or liner.
- High torque strength enables the tool to transmit torque in the completion assembly without releasing from the packer. This feature allows rotation into liner tops and past bridges in horizontal sections, thereby saving rig time.
- Standard tubing or drillpipe connections on the top sub also match connections found on common work strings, saving time and money by matching the thread features to application requirements.
- Large ID reduces backpressure and friction during high-flow rate pumping operations, allowing optimal pumping rates to maximize zone potential.
- A 10,000-psi pressure rating ensures tool integrity, adds to system versatility, and allows for high-pressure stimulation techniques, resulting in increased well productivity.
- Use of multiple pistons lowers the required setting pressure, eliminating the need for specialized high-pressure pumps to set the packer, reducing operating costs.
- The setting tool is released primarily by annulus pressure for ease of operation while saving rig time.

Specifications

Size	Maximum OD (in./*mm*)	Minimum ID (in./*mm*)	Pistons	Total Piston Area (in.^{2}/*cm*^{2})	Pressure Rating (psi/*kPa*)	Part Number[1]
50	3.95 *100.33*	1.50 *38.10*	3	16.2 *104.52*	10,000 *68,948*	803066
70	5.50 *140.00*	2.26 *57.40*	2	33.48 *216.00*	10,000 *68,948*	877200
90	7.00 *177.80*	3.25 *82.55*	2	31.03 *200.19*	10,000 68,948	1175626

[1]Setting tools require that a top sub be ordered separately