



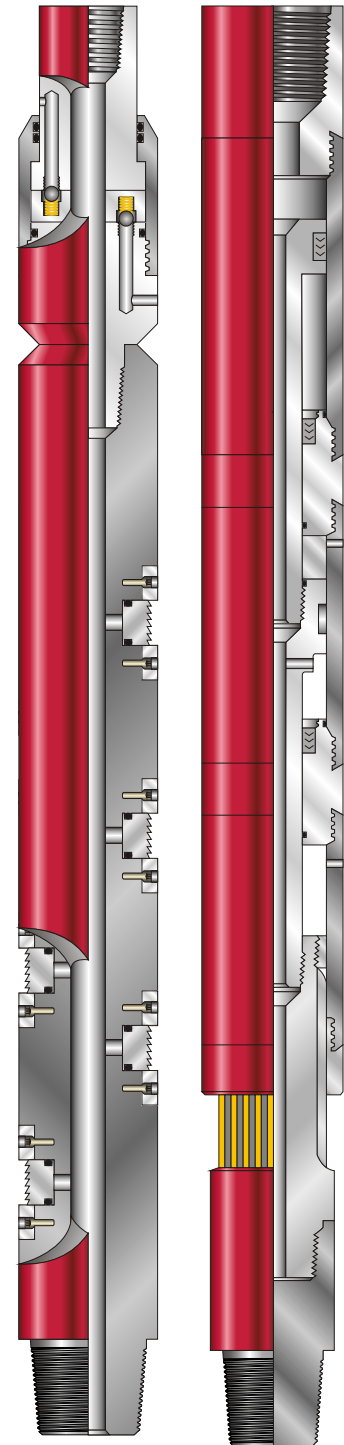
Hydraulic Pulling Tool

Weatherford's hydraulic pulling tool works with a conventional workover rig to pull liners, packers, or other objects from cased wells without overloading the derrick or the work string. The same pressure that applies the pull also actuates the hydraulic pulling tool slips. The hydraulic pulling tool consists of three basic sections:

- The *control valve section* enables release of the slips and the pull, regardless of the hydrostatic pressure.
- The *anchor section* features piston slips that provide a holding area sufficient for safer pulling without deformation of the casing.
- The *pulling section* exerts its multiplied force over a full 30-in. (762-mm) stroke.

Features, Advantages and Benefits

- COLMONOY® coated parts minimize chemical deterioration in commonly encountered environments, providing a longer service life and reducing maintenance costs.
- Thirty-inch (762-mm) stroke overcomes the stretch in long lengths of free pipe frequently encountered above the stuck fish, ensuring that the pulling force reaches the object being pulled.
- The subsurface valve that controls the tool action provides safe, easy running of the tool to and from fishing depth.
- The hydraulic pulling tool will operate using most available on-site rig pumps or a reversing unit, eliminating the need for special power sources.
- The tool can be used with a small work string, with a low-weight-capacity workover rig, or with any mechanical fishing tool, providing optimized operational efficiency.



COLMONOY is a registered trademark of Wall Colmonoy Corporation.



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Specifications

Casing Range (in.)	Pulling Tool OD (in.)	Pulling Ratio*
5	4	35:1
5-1/2 to 6-5/8	4-1/2	47:1
7 to 7-5/8	5-1/2	65:1
8-5/8 to 9-5/8	7	106:1

*Pounds of pull force per 1 PSI of applied pressure

Options

Optional automatic relief valve relieves operating pressure, giving positive surface evidence of a complete tool stroke at fishing depth. This valve allows washovers through the hydraulic pulling tool without the need to drop a ball.