

# SpeedTork™ Hydraulic Drillpipe Tong

Enables high-speed makeup and breakout operations

## Applications

- Running and pulling drillpipe
- Building stands offline

## Features and Benefits

- The special clamping arrangement secures the drillpipe to protect the operator under high-load conditions.
- The torsion-bar reaction system eliminates shear and bending loads across the tool joint to reduce casing deformation that can affect long-term wellbore integrity.
- The tong can rotate drillpipe a full 360° when making up and breaking out connections.
- The tong can be integrated with positioning systems in mechanized rig installations.
- The tong is ATEX certified for hazardous Zone 1 areas.

## Tool Description

The patented Weatherford SpeedTork hydraulic drillpipe tong 8.0-70 provides torques up to 70,000 ft-lb (94,900 N·m) and 360° rotation in makeup and breakout operations. The SpeedTork tong can torque drillpipe connections, drillstring components, drilling tools, packers, couplings, and valves. The fully rotational drillpipe tong can also perform makeup of special connections that require continuous rotation. The tong is well suited for nonautomated operations and is compact enough for use on rigs with a very small footprint. The compact and robust design and high rotational spin-in speed increase overall reliability and operational performance. The smaller SpeedTork hydraulic drillpipe tong 6.6-30 is also available to provide fully rotational makeups of up to 30,000 ft-lb (40,600 N·m).



The SpeedTork hydraulic drillpipe tong 8.0-70 enables fully rotational makeups of up to 70,000 ft-lb (94,900 N·m). The tong features a special clamping arrangement to protect the operator and a torsion-bar reaction system to reduce casing deformation.



The SpeedTork hydraulic drillpipe tong is also available in a 6.6-30 option, which provides fully rotational makeups of up to 30,000 ft-lb (40,600 N·m).



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## Specifications

### SpeedTork Hydraulic Drillpipe Tong 8.0-70

Approximate weight	5,071 lb (2,300 kg)	
Applicable rig-floor size	Small to medium	
Maximum pressure	3,046 psi (210 bar)	
Maximum flow	40 gal/min (160 L/min)	
Clamping range	3-1/2 to 8 in. (89 to 203 mm)	
Maximum makeup and breakout torque	70,000 ft-lb (90,907 N·m)	
Maximum rotor speed	low gear	6 rpm
	high gear	60 rpm
Power supply	Open/close center	
Controls	Onboard	

### SpeedTork Hydraulic Drillpipe Tong 6.6-30

Approximate weight	3,087 lb (1,400 kg)	
Applicable rig-floor size	Small to medium	
Maximum pressure	3,046 psi (210 bar)	
Maximum flow	40 gal/min (160 L/min)	
Clamping range	2-5/8 to 6-5/8 in. (67 to 168 mm)	
Maximum makeup and breakout torque	30,000 ft-lb (40,675 N·m)	
Maximum rotor speed	low gear	10 rpm
	high gear	60 rpm
Power supply	Open/close center	
Controls	Onboard	

## Options

- PowerFrame® III tong-positioning system
- PowerScope® system
- Hydraulic power units

## Additional Information

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