

Knuckle Joint Tool

Reduces overall rigid tool length in dual completions

Applications

- Wells with severe doglegs/buckled tubing
- Dual completions where tubing is often twisted reducing effective maximum tool string length
- Used to offset casing collar locators (CCL)
- Offset decentralized tools from centralized tools
- Used in pairs (sometimes with spacer) to decouple toolstring from coil tubing or well tractor

Features and Benefits

- Increases tool string flexibility in order to reach target depth

Tool Description

The Weatherford knuckle joint tool is used to reduce overall rigid tool length in dual completions where tubing may be twisted, to provide an offset, or in pairs to decouple the tool string from coiled tubing or a well tractor.

Specifications

Ratings and dimensions

	1-11/16 in.	2-1/8 in.
Max temperature	350°F (177°C)	
Max pressure	15,000 psi (103.4 mPa)	
Outer diameter	1.69 in (43.0 mm)	2.125 in (53.98 mm)
Length	7.6 in (193 mm)	11.137 in (282.88 mm)
Weight	4.2 lb (1.9 kg)	6.77 lb (3.08 kg)

Hardware characteristics (both sizes)

Materials	Corrosion resistant materials used throughout
Connection Type	GO or GOI
Articulation	12°

