Casing and Tubular I-Wheel®

Conveys tubing or casing strings into highly deviated or extended lateral horizontal well bores

Applications

- Assists the deployment of tubing or casing strings in deviated or horizontal well bores
- Can also be utilized for slotted liner strings or well screens

Features and Benefits

- Provides lift and reduces contact with the well bore
- Creates standoff which drastically reduces the risk of sticking
- Free spinning around the circumference of the tubing/casing, which facilitates self orientation to assist deployment

Tool Description

The Weatherford casing and tubular I-Wheel is an innovative friction reduction device designed to efficiently and reliably convey tubing or casing strings into highly deviated or extended lateral horizontal well bores.

The I-Wheel creates low contact areas that keep the tubing or casing joint off the low side of the well, passing over problem areas that can cause sticking.

The casing and tubular I-Wheel is connected to the tubing string by a mandrel that matches the physical and mechanical properties of the tubing. When placed between each joint of tubing, it acts as a coupling, allowing the I-Wheel to rotate freely and self orient.

Specifications

Minimum hole size	3.8 in. (96.52 mm)
Maximum hole size	4.25 in. (107.95 mm)
Tubing/mandrel size	2.875 in. (73.025 mm)
Tubing weight	6.5 lb (2.9 kg)
Tubing/mandrel ID	2.441 in. (60.001 mm)
Tubing/mandrel thread	Atlas Bradford ST-L
Tubing grade	13-CR
Mandrel makeup length	12.0 in. (304.8 mm)
I-Wheel Assembly OD	3.70 in. (93.9 mm)

Other sizes available upon request.

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