

Electric-Line Inflatable Retrievable Bridge Plug (E-IRBP)

Provides reliable isolation—without using coiled tubing—for stimulation and workover operations requiring the bridge plug to pass through a restriction

Applications

- Stimulation and workovers in wells in which the bridge plug must pass through a restriction in the tubing or out into the casing while maintaining accurate depth control
- Wellsites with no coiled tubing (CT)
- Temporary or permanent isolation of the lower wellbore
- Isolation for wellhead change-outs or perforated intervals, gravel-pack screens, slotted liners, and tubing or casing

Features and Benefits

- The E-IRBP runs on electric line using the electric pump setting tool (EPST), which results in significant cost savings compared to other conveyance methods.
- The E-IRBP incorporates Weatherford patent-pending Get A Grip anchoring technology to minimize misruns.
- High-performance inflation elements are capable of up to 3:1 expansion, which makes the E-IRBP suited for high-expansion applications.
- A vent in the EPST enables pressure or cross-flow from above or below to equalize during inflation, which makes the E-IRBP suited for setting in a closed system or where cross-flow exists.
- Equalization occurs inside and outside the tool string during retrieval, which prevents equalization problems and minimizes misruns.
- Straight-pull shear release facilitates retrieval on slickline, wireline, or CT.

Tool Description

The Weatherford E-IRBP incorporates a high-expansion inflatable element and a robust chassis for remedial bridge plug applications. The E-IRBP is conveyed into the wellbore on electric line. A casing collar locator and EPST are used for depth control and inflation. The EPST pumps fluid from a bailer system or wellbore directly into the E-IRBP.

Specifications

Tool OD	Overall Length	Fishneck OD
1.69 in. (42.93 mm)	86.56 in. (2,198.62 mm)	1 in. (25.40 mm)
1.81 in. (46.05 mm)	86.56 in. (2,198.62 mm)	1 in. (25.40 mm)
2.13 in. (54.10 mm)	88.33 in. (2,243.58 mm)	1 in. (25.40 mm)
2.50 in. (63.50 mm)	88.33 in. (2,243.58 mm)	1 in. (25.40 mm)
2.88 in. (73.03 mm)	88.33 in. (2,243.58 mm)	1 in. (25.40 mm)
3.38 in. (85.73 mm)	89.38 in. (2,270.25 mm)	1 in. (25.40 mm)
5.25 (133.35 mm)	89.38 in. (2,270.25 mm)	1 in. (25.40 mm)



Conveyed on electric line, the E-IRBP isolates zones for stimulation or workover operations that require the bridge plug to pass through a restriction.

