

## ISO-Flex™ High-Expansion Retrievable Bridge Plug

Creates VO-rated barrier by passing through slim restrictions then sets in larger tubing below

### Applications

- Wells with small restrictions prior to setting diameter
- Temporary or permanent zonal isolations
- Temporary well suspension
- Temporary barrier during well-workover applications
- Wellhead repair and replacement

### Features and Benefits

- Small OD allows for application through small restrictions to set in larger tubing below
- One-trip application using simplified equalization and retrieval
- Multiple conveyance methods enhance operational versatility, promoting use in remote or costly locations
- Optimized slip and tubing contact for superior anchoring capability
- Retractable fold-back rings support the element and provide superior sealing capability
- API 11D1 V0-R validation up to 5,000psi (34.4 MPa) and 40°F (4°C) to 275°F (135°C) for increased tool reliability

### Tool Description

The Weatherford ISO-Flex high-expansion retrievable bridge plug is a small-OD tool used in a variety of intervention applications. It effectively passes through slim ID restrictions such as nipple seal bores, sliding sleeves, safety valves, and other tubing-mounted devices, and is then set, bridging (packing off) large extrusion gaps and sealing against high pressure at high temperatures. The plug is run with coiled tubing, slickline, or wireline as well as conventional tubing within existing completion strings.

The ISO-Flex plug features the patented Hydra Boost system that energizes and locks-in the additional boost force to provide superior sealing ability during pressure reversals and changes in temperature—conditions that often cause leaks with conventional plugs. Retrieval is achieved by an internal sleeve that shifts down to equalize pressure then shears up to release—minimizing the risk of plug release before equalization.



The Weatherford ISO-Flex high-expansion retrievable bridge plug effectively passes through slim ID restrictions and sets, bridging (packing off) large extrusion gaps and sealing against high pressure at high temperatures.



# ISO-Flex™ High-Expansion Retrievable Bridge Plug

## Specifications

Tubing Size	3.5 in. (88.9 mm)	4.5 in. (114.3 mm)	5.5 in. (139.7 mm)	6.625 in. (168.3 mm)	7 in* (177.8 mm)
Tubing Weight	9.2 to 10.2 lb./ft.	11.6 to 15.1 lb./ft.	17 to 20 lb./ft.	24 lb./ft.	26 to 38 lb./ft.
Plug OD	2.20 in. (55.88 mm)	2.70 in. (68.58 mm)	2.90 in. (73.66 mm)	3.60 in. (91.44 mm)	3.60 in. (91.44 mm)
Fishneck	2.00 in. JDC	2.50 in. JDC	3.00 in. JDC	4.00 in. JDC 3.00 in. GS	4.00 in. JDC 3.00 in. GS
Min Setting ID	2.843 in. (72.21 mm)	3.751 in. (95.28 mm)	4.696 in. (119.28 mm)	5.801 in. (147.35 mm)	5.801 in. (147.35 mm)
Max Setting ID	3.047 in. (77.39 mm)	4.069 in. (103.35 mm)	4.898 in. (124.41 mm)	6.060 in. (153.92 mm)	6.380 in. (162.05 mm)
Temperature Rating	40 to 275°F (4 to 135°C)				
Pressure Rating	5,000 psi (34.4 MPa)		4,000 psi (27.5 MPa)		5,000 psi (34.4 MPa)
Qualification Grade	API 11D1 VO-R				

\*In development

