

# Intelligent Completion Packoff Element

Provides zonal isolation in applications that require chemical injection or monitoring below the isolation system

## Applications

- Isolating intervals within the well, primarily in intelligent completions, where multiple control lines and I-Wires are fed through
- Monitoring below the isolation system

## Features and Benefits

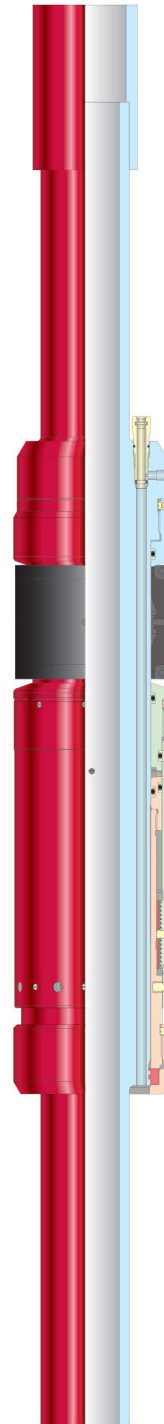
- Reduces possible leak paths and eliminates body movement during setting
- Minimizes seal movement in operation and prevents multiple leak paths
- Optimizes control line bypass while retaining packer through the wellbore
- Minimizes part count and simplifies interchangeability over casing weights
- Contains multiple setting options to adapt to specific wells

## Tool Description

The Weatherford intelligent completion packoff element (ICE) is a retrievable and hydraulically set multiple control-line bypass that achieves zonal isolation within intelligent well completions. The one-piece body makes it possible to feed multiple lines through the ICE tool in either workshop or offshore environments. The feedthrough capabilities also enable placing gauges and chemical injection systems below the completion isolation system.

Tested in accordance with the International Organization for Standardization (ISO) 14310, the ICE tool provides multiple setting options. Control-line pressure, a mechanical communication sub, or a radio-frequency identification (RFID) enabled communication sub can set the base packer.

The ICE tool is released into a retracted position using a straight-pull, shear release.



The ICE tool has a one-piece body that reduces leak paths and minimizes body movement during setting.



# Intelligent Completion Packoff Element

## Specifications\*

Casing Information		Maximum OD	Minimum ID	Connections	Maximum FeedThru	Pressure Rating	Element Material	Temperature	Standard Certificate
Size	Weight								
5.50 in. (139.7 mm)	17 lb/ft (2.35 kg/m)	4.710 in. (119.6 mm)	2.40 in. (61.0 mm)	2-7/8 in. (50.8 mm) Premium	4	3,000 psi* (20.68 MPa)	HNBR	68 to 275°F (20 to 135°C)	ISO 14310-V5
	20 lb/ft (2.76 kg/m)	4.595 in. (116.8 mm)							
6.625 in. (168.3 mm)	32 lb/ft (4.42 kg/m)	5.405 in. (137.4 mm)	2.92 in. (74.2 mm)	3-1/2 in. (76.2 mm) Premium	5	3,000 psi* (20.68 MPa)	HNBR	68 to 275°F (20 to 135°C)	ISO 14310-V5
	24 lb/ft (3.31 kg/m)	5.735 in. (145.8 mm)							
7 in. (177.8 mm)	23 lb/ft (3.17 kg/m)	6.095 in. (154.9 mm)	3.96 in. (100.6 mm)	4-1/2 in. (101.6 mm) Premium	5	3,000 psi* (20.68 MPa)	HNBR	68 to 275°F (20 to 135°C)	ISO 14310-V5
	26 lb/ft (3.59 kg/m)	6.095 in. (154.9 mm)							
7.625 in. (193.7 mm)	29.7 lb/ft. (4.11 kg/m)	6.690 in. (169.9 mm)	4.56 in. (115.8 mm)	5-1/2 in. (127 mm) Premium	6	3,000 psi* (20.68 MPa)	HNBR	68 to 275°F (20 to 135°C)	ISO 14310-V5
9.625 in. (244.5 mm)	40 lb/ft (5.53 kg/m)	8.540 in. (216.9 mm)							
		47 lb/ft (6.9 kg/m)	8.450 in. (214.6 mm)						
	53.5 lb/ft (7.39 kg/m)	8.305 in. (211.1 mm)							

\* Results depend on the released version. Customer-specific specification variants are available on request

