

# Low-Pressure Permanent Casing-Exit Packer

Provides a simple and cost-effective method to isolate the main-bore casing during sidetracking operations

## Applications

- Casing-exit operations in zonal wells that require pressure isolation in the existing wellbore
- Casing-exit operations in wells that require isolation during circulation and fluid displacement
- Post-casing-exit installation during liner cementing operations in which the lower parent bore requires isolation
- Severely inclined, horizontal, or deep wells in which a separate bridge plug may be costly or difficult to run and set
- Casing-exit operations in wellbores with high casing-wall loss
- High-side and low-side casing-exit orientations
- Operations that use a low-pressure packer as a secondary barrier

## Features and Benefits

- The two-piece sealing element isolates pressure and blocks debris.
- The MultiCatch™ anchoring design enables setting in any inclination.
- The casing anchor accommodates a wide range of casing IDs.
- The dual-purpose sealing element removes the need for a bridge plug and protects the main-bore zones from drilling and milling fragments and fluids.
- The interchangeable design fits with Weatherford QuickCut™ and shallow-angle QuickCut concave profiles for consistent milling performance.
- Hydraulic and mechanical setting capabilities eliminate the need to set the packer against a false bottom.

## Tool Description

The Weatherford low-pressure casing-exit packer provides a simple and cost-effective method for isolating the main bore during sidetracking operations. Designed for running in conjunction with the Weatherford QuickCut or shallow-angle QuickCut casing-exit systems, the packer is run as an integral component of the whipstock assembly and therefore requires no additional downhole trips to install. After either hydraulic or mechanical actuation of the slip-anchor assembly, simple and reliable downward force activates the packer.

Using the Weatherford MultiCatch whipstock anchor system, the low-pressure permanent casing-exit packer sets in vertical and horizontal wellbores in both high-side and low-side casing-exit installations. It can set within 9 5/8-in. casing of various weights. The packer creates a barrier rated for 1,000 psi (6.89 MPa) of pressure isolation from above and can withstand 20,000 ft-lb (27,117 N-m) of torque during and after sidetracking operations.



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## Specifications

### Casing

Outside diameter (OD)	9 5/8 in. (244.5 mm)
Weight	36 to 58.4 lb/ft (53.6 to 86.9 kg/m)
Minimum inside diameter (ID)	8.435 in. (212.4 mm)
Maximum ID	8.921 in. (226.6 mm)

### Low-Pressure Packer

Concave OD	8 in. (203.2 mm)
Maximum OD	8.1 in. (205 mm)
Maximum temperature	275°F (135°C)
Torque	20,000 ft-lb (27,117 N·m)
Pressure rating	1,000 psi (6.89 MPa)



*The versatile low-pressure casing-exit packer can be used in a range of wellbore profiles to create a high-pressure-rated barrier during and after sidetracking operations.*

