

Helios Hydraulic Openhole Packer

Isolates openhole zones for hydraulic fracturing operations

Applications

- Multizone openhole completions for interzonal isolation
- High-pressure stimulation operations
- Horizontal wells
- Completion of underbalanced wells or wells that have losses
- As a component of the Weatherford ZoneSelect® system

Features and Benefits

- Field-proven element system effectively isolates openhole sections with up to a 10,000-psi (68.95-MPa) differential.
- Designed to be short and easy to handle on the rig floor, improving efficiency and reducing the likelihood of installation issues.
- Robust mandrel design provides high internal yield pressure and tensile ratings.

Tool Description

The Weatherford Helios hydraulic openhole packer effectively isolates zones during high-pressure hydraulic fracturing operations. It is set via the application of hydraulic pressure which shears a series of screws and allows the packer to stroke and extrude the element. It seals against the openhole inside diameter(ID) to permanently isolate the zone. After being set, the packer is held in the set position via an internal ratchet ring, ensuring it does not come unset.

The Helios packer is part of the Weatherford ZoneSelect stimulation completion system. This system is part of an extensive portfolio of openhole isolation packers, selective stimulation sleeves, and ancillary equipment which enables optimal performance in various operating and producing environments.



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Specifications

Packer size (in./mm)	4-1/2 (114.30)
Packer weight (lb/ft, kg/m)	13.5 (20.09)
Inside diameter (in./mm)	3.826 (97.18)
Openhole diameter (in./mm)	6.125 to 6.250 (155.58 to 158.75)
Element differential pressure rating (psi/MPa)	10,000 (68.95)
Collapse rating (psi/MPa)	12,947 (89.27)
Burst rating (psi/MPa)	14,714 (101.45)
Maximum outside diameter (OD) (in./mm)	5.875 (149.23)
Temperature rating (°F/°C)	70 to 250 (21.11 to 121.11)
Overall length (in./mm)	26 (660.4)
Material	P-110

