

Casing Reconnect

Metal-to-metal, gas-tight casing repair system



Rated up to 7,985 psi
[54 MPa]



Rated up to 150 degC
[302 degF]



Rated up to 1,500,000 lbf
[6.6 MN]

APPLICATIONS

- Stuck casing
- Wellhead replacement
- Reestablish integrity for plug and abandon (P&A) operations
- Casing repair
- Connect subsea wellhead to surface

BENEFITS

- Seamlessly replaces stuck or damaged casing
- Keeps drilling programs on schedule
- Eliminates the need for lengthy fishing operations or costly sidetracks
- Secures well integrity for P&A activities
- Provides robust seal for the life of the well
- Allows fullbore access after installation

FEATURES

- Metal-to-metal, nonelastomeric gas tight sealing and anchoring technology
- ISO 14310 V0 rated
- Installation depth not limited by casing reconnect system
- Axial load-bearing capability up to 1,500,000 lbf
- NACE compatible

As a part of the COLOSSUS M2M* metal-to-metal expandable liner hanger system portfolio, the Casing Reconnect* metal-to-metal, gas-tight casing repair system is a ISO 14310 V0 rated, full-axial-load-bearing metal-to-metal reconnection solution that seamlessly replaces stuck or damaged casing. It keeps drilling programs on schedule without the need for lengthy fishing operations or costly sidetracks, secures well integrity for P&A operations, and minimizes costs.

The Casing Reconnect system is a robust, cost-effective remediation solution for the life of the well operations. With no reduction in ID, the reliable casing reconnect can be used to realign space out.

Applications

During drilling operations, the casing may become stuck at a point close enough to the intended landing depth to still be viable. In this case, using the Casing Reconnect system enables cutting and pulling the casing anywhere between the wellhead and the stuck point. Replacement casing is then run with a casing reconnect system receptacle on the bottom—correctly spaced out with the casing hanger. The casing stump is then morphed into the casing reconnect system receptacle to rejoin the two strings with a high axial-load-bearing, metal-to-metal seal. The system accommodates excess swallow at the connection, greatly simplifying space-out for correctly landing the hanger.

When subsea wellhead or mudline suspension systems require a workover, a subsea tieback between the wellhead and the rig may be installed to assist with landing out the tieback string in the surface wellhead and the tieback point. The casing reconnect system allows space-out flexibility with a high-integrity seal to enable safer workover activities.



Casing Reconnect System Specifications

Size, in [mm]	7 [177.8]	9.625 [202.2]	9.875 [250.8]	13.375 [339.7]	13.625 [346.0]	14 [355.6]
OD, in [mm]	8.350 [212.1]	12.097 [307.3]	12.035 [305.7]	16.750 [425.4]	17.000 [431.8]	17.25 [438.1]
Standard ID, in [mm]	6.184 [157.1]	8.535 [216.8]	8.553 [217.2]	12.347 [313.6]	12.375 [314.3]	12.346 [313.6]
Length, ft [m]	29.3 [8.9]	27.7 [8.4]	28.4 [8.7]	31.0 [9.4]	31.0 [9.4]	40.0 [12.2]
Max. internal pressure, psi [MPa]	5,000 [34.5]	7,985 [55.1]	7,180 [49.5]	6,151 [42.4]	5,966 [41.1]	6,500 [44.8]
Max. external pressure, psi [MPa]	4,250 [29.3]	7,930 [54.7]	5,510 [38]	2,880 [19.9]	4,570 [31.5]	1,500 [10.3]

Note: Grapple to place casing in tension available on request. Application-specific ratings available upon request.