



Combining the Integrity of a Wedge Thread Connector With the Strength of a Weld-on Connector

XL Systems, a Business Unit within NOV Completion & Production Solutions, produces XLW™, a unique hybrid connector with an integral pin thread and a weld-on box. The XLW connector features a flush inside diameter (ID) profile and an upset connector outside diameter (OD) that forms an integral lift shoulder.

The XLW connector provides all the benefits of the XLF connector, including wedge thread technology and metal-to-metal pressure seals, in a connector rated at 100% of pipe body capacity in internal pressure, external pressure, tension, compression and bending. XLW connectors are ideally suited for critical casing strings where both pressure and structural strength are design drivers.

XLW Connectors make-up in approximately three turns, the majority of which are low-torque spin-up until the wedge thread surfaces engage. Make-up torques are comparatively low and range from 30,000 to 60,000 ft-lbs depending on size. XLW connectors are suitable for make-up with either power tongs or manual tongs. XLW is an adaptation of the highly successful XLF connector design, and has demonstrated excellent performance in a number of critical deepwater casing and conductor applications. XLW connectors are manufactured in 20-inch to 48-inch diameters.

Applications

- Heavily loaded surface casing strings
- Casing for deviated wells
- Deepwater casing strings run in open water

Features

- Connector ratings meet or exceed full pipe body strength
- Integral lift shoulder
- Internal metal seal
- Wedge thread technology

Benefits

- Reliable performance under extreme loading conditions
- Easy running and handling offshore
- Reliable pressure integrity
- Easy spin-up, high torque capacity, excellent resistance to anti-rotation

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