



## A High Strength Integral Connector That Is The Ideal Choice For Casing Strings

XLF Systems, a Business Unit within NOV Completion & Production Solutions, produces XLF™, a high strength integral connector with pin and box threads machined directly into the pipe wall. This process produces the ideal connector geometry of a flush inside diameter (ID) and flush outside diameter (OD).

The XLF connector has an internal metal-to-metal pressure seal, making it an ideal choice for casing strings with pressure integrity as the primary design driver. XLF connectors are rated at 100% of pipe body strength in internal and external pressure.

XLF 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 40,000 ft-lbs depending on size. XLF connectors are suitable for make-up with either power tongs or manual tongs. XLF is the first generation wedge thread connector. It has an excellent field service history in a wide variety of onshore and offshore casing and conductor applications since 1986. XLF connectors are manufactured in 20-inch and larger diameters.

### Applications

- Surface casing strings
- Downhole liner strings
- Slim hole wells with tight annular clearances

### Features

- Flush ID and OD profile
- Internal metal seal
- Full pipe body pressure ratings
- Integral box and pin threads
- Wedge thread technology

### Benefits

- Ideal connector geometry: the connector takes up no more annular space than the pipe
- Reliable pressure integrity
- Connector pressure ratings match pipe body capacity
- Cost-effective design eliminates larger diameter forgings and welding costs
- Easy spin-up, high torque capacity, excellent resistance to anti-rotation

### Contact

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