



Connectors Suitable For The Most Demanding Offshore Applications

XL Systems is a Business Unit within NOV Completion & Production Solutions. Viper™ is a large-bore connector featuring a weld-on pin and weld-on box design. Viper connectors have a dual sealing mechanism: an elastomeric O-ring as the primary seal and a secondary metal-to-metal seawater exclusion seal. In addition, they are rated at 100% of pipe body for internal pressure, external pressure, tension, compression, and bending capacity in most sizes. This connector is perhaps the most extensively analyzed and tested large diameter connector on the market today. Reliable and validated connector performance makes Viper ideally suited to high-profile, extreme service conductor and casing applications. Viper connectors are manufactured in 16 to 38-inch diameters.

Applications

- A true multi-purpose connector suitable for most applications
- Deepwater subsea well conductors or jet strings
- Platform conductors or drive pipe
- Jack-Up exploratory well conductors
- Tieback conductors
- Intermediate and surface casing strings including deviated wells
- Deepwater casing strings run in open water

Features

- Connector ratings meet or exceed full pipe body strength in most sizes
- Full pedigree of analysis and test data
- Fatigue rated and tested
- Dual sealing design
- Three capture features
- Viperlock anti-rotation device
- Engineered weld neck

Benefits

- Reliable performance under extreme loading conditions
- Extensive analysis and full-scale testing data support connector ratings
- Designed and fully tested for excellent fatigue performance
- Elastomeric O-ring primary seal and metal-to-metal seawater exclusion seal
- Hooked threadform; OD capture feature and tapered load shoulder effectively eliminate thread jump-out under extreme loading conditions
- Patented design is reliable, easy to install, reversible and fully tested
- Longer connector weld neck moves the weld to a low stress area
- Gas tight: qualified to 95% of actual X80 pipe body internal pressure ratings in multiple 20 and 22-inch sizes to ISO/FDIS 13679:2011 CAL I-E requirements

Contact

400 N Sam Houston Pkwy E, Suite 900
Houston, Texas 77060, USA
281.878.8000