

Well Construction

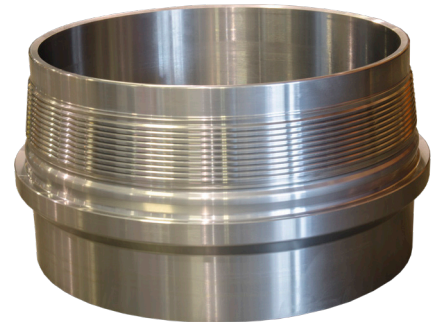
Tubular & Connector Technologies

XTREME3™ Connector

The XTREME3™ Connector is a high strength, premium threaded connection featuring a standard metal seal and a negative load flank, ensuring increased performance and reliability. This connector was developed for the three provinces governing its name: extreme tension, extreme compression, and extreme bending.

Features and benefits

- Increased shoulder torque helps resist back-out due to vibration
- Angle of thread cone allows for optimized stress distribution across the thread
- Proven thread form with a negative load flank keeps the threads engaged and prevents “jump-out”
- Optimized thread relief grooves alleviate stress in critical locations
- Deep-stab and alignment faces allow for a quick make-up and cross-thread prevention
- Metal-to-metal seal allows for a more reliable seal at higher pressures
- Secondary elastomeric seal keeps environmental fluids out of the threads
- Elastic/Plastic Finite Element Analysis
- Physical Testing: Combined Loading based on ISO 13679, 4-Point Bending, & Makeup-Breakout Galling Test
- Harmonic Fatigue Testing



Specifications

| | |
|---|--|
| Size range (in.) | 20 to 42 |
| Shouldering torque range (min./max.) (ft-lbs) | 24,000 / 50,000 |
| Break-out torque range (min./max.) (ft-lbs) | <30" OD 60,000 / 68,000 ≥30" OD 72,000 / 80,000 |
| Thread starts | Single / multi |
| Turns to make-up | 3.5 / <1 |