

# TMK UP ULTRA™ GX

Thermal Connection



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## Thermal Connection

4 1/2" – 11 3/4"

### Performance and Value

The outstanding compression performance of the ULTRA™ FullContact™ thread form makes a perfect match for thermal applications. An optimized metal-to-metal seal and torque shoulder provides the industry with the most robust premium thermal connection. Validated by the rigorous ISO/PAS 12835 (formerly TWCCEP) testing protocol, operators can have confidence in the integrity of the well. As many operators have identified growing concerns about leakage in sections with high doglegs, we recognized the need to conduct additional bending testing for both sealability and mechanical strength. The GX premium threaded and coupled connection exhibited zero seepage under bending at 20°/30 meters and reached 132°/30 meters of dogleg severity during testing.

### Applications

- SAGD
- CSS
- Geothermal
- Production tubing
- Production casing
- Intermediate casing
- Liners and tie-backs
- Rotating during installation
- Rotating while cementing

### Global Strength

TMK is an industry leader in welded and seamless pipe, premium connections and accessories with the strength of more than twenty manufacturing facilities strategically located in the key energy producing areas of the world. Our legacy of quality, exceptional customer service and focus on innovation translates into unparalleled value for our customers. Our strength—in product and presence—gives customers a competitive edge, making us the ideal supplier for the oil and gas industry as well as many industrial markets worldwide.

For more information on any of the details featured here, please contact: [techsales@tmk-ipsco.com](mailto:techsales@tmk-ipsco.com)



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### FullContact™ Threads

- 100% connection efficiency
- Highly resistant to compressive loads induced by thermal expansion
- Extreme bending capacity and evenly distributed stresses

### Sphere and Cone Metal-to-Metal Seal

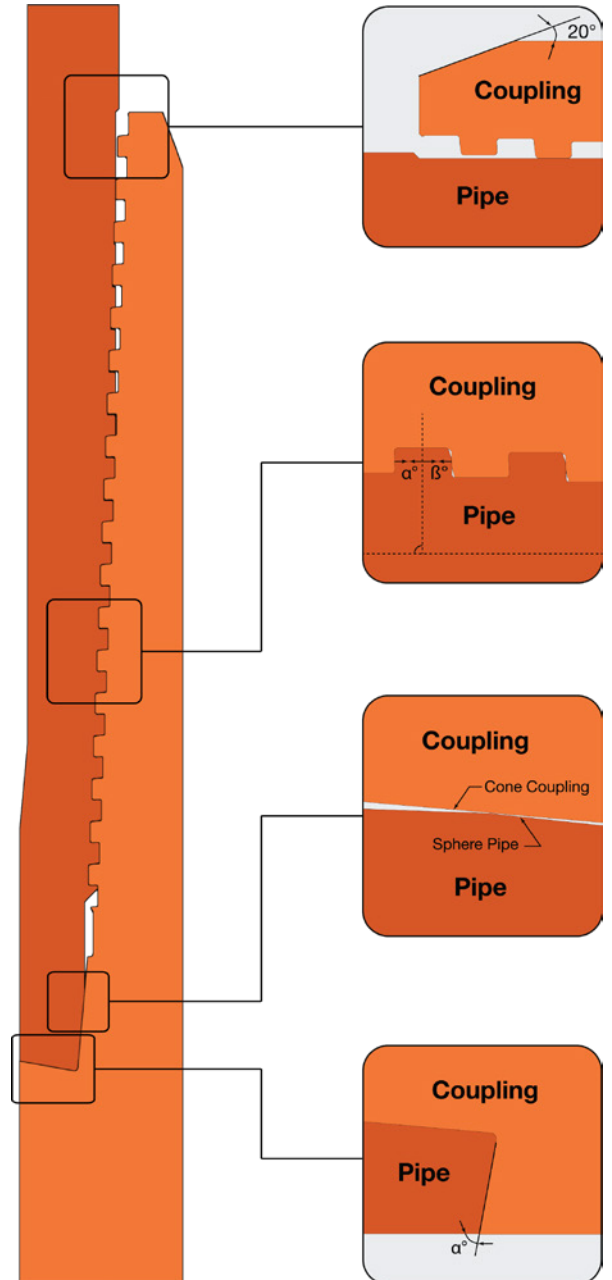
- Optimized for sealability under thermal cycling
- Validated by the rigorous ISO/PAS 12835 testing protocol (formerly TWCCP)

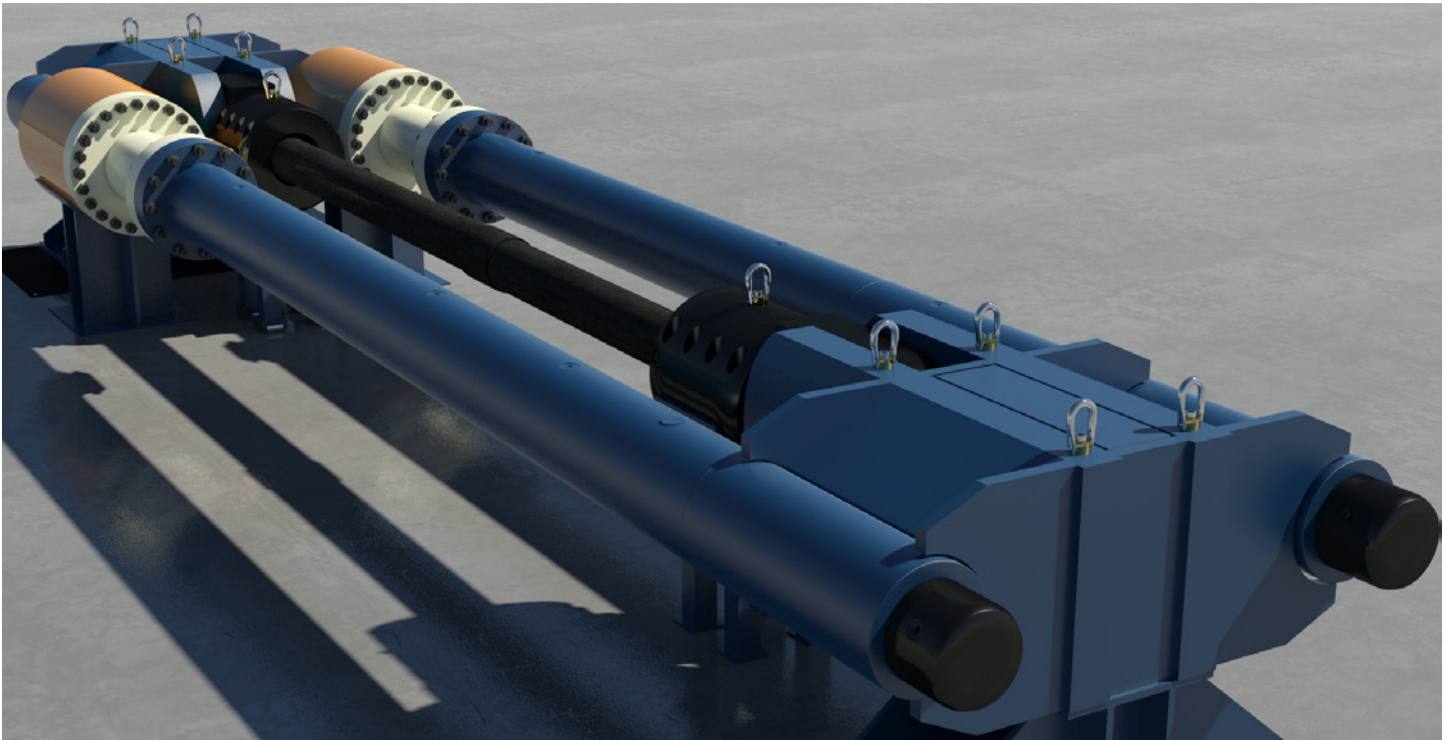
### Reverse Angle Torque Stop and Compression Shoulder

- High torque capacity
- Minimizes plastic deformation to the seal under constrained thermal expansion

### Run-Out Threads

- Maximizes critical cross-sectional area
- Improved fatigue resistance





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