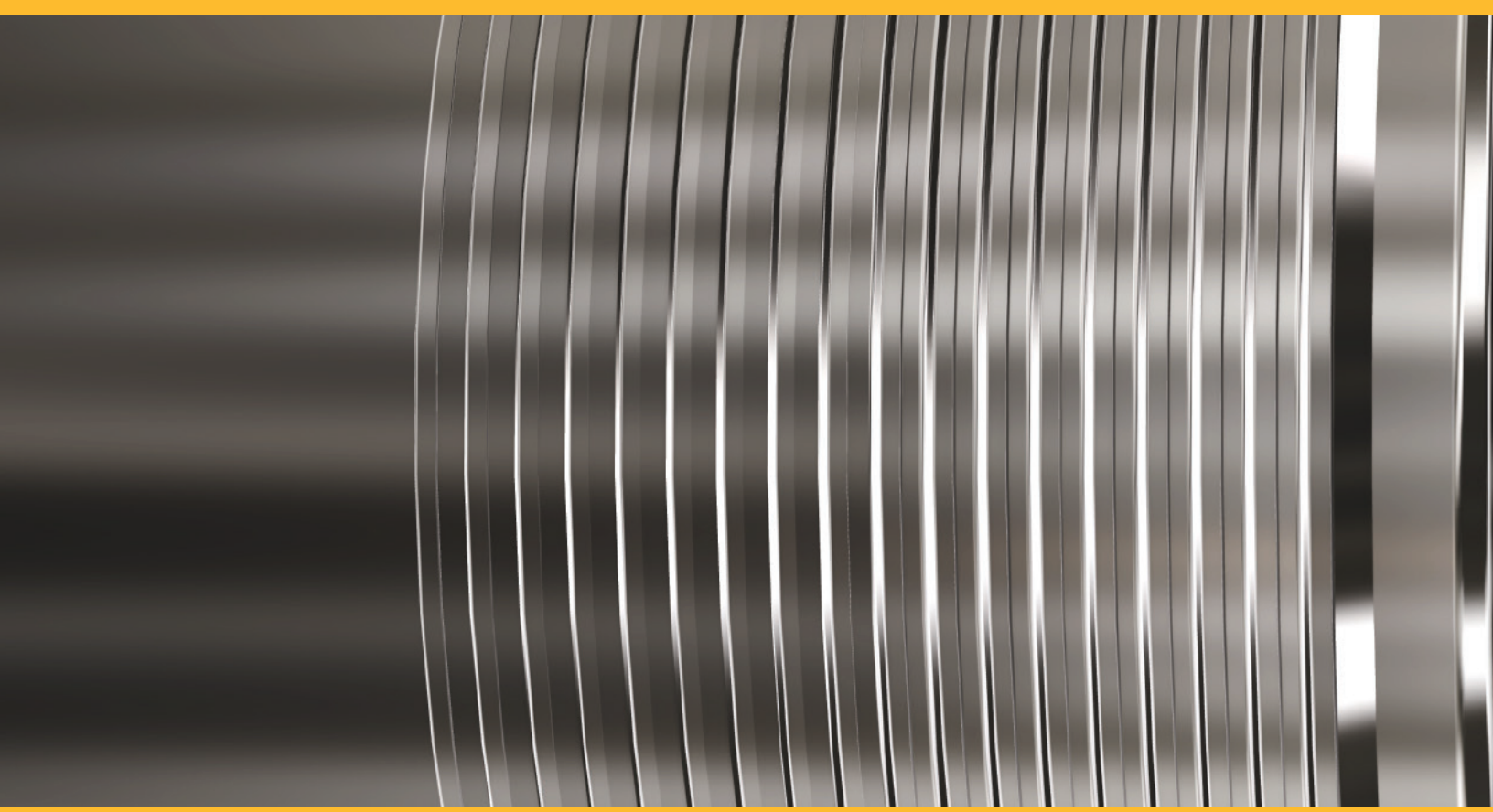


TMK UP™ PF ET

Threaded & Coupled Enhanced Torque Connection



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Published 7/15



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Performance and Value

TMK UP™ PF ET is a versatile and reliable premium connection for critical casing and tubing applications in deviated and horizontal wells, including use in casing rotation, casing drilling and high-compression frac strings. The PF ET design expands upon that of the successful TMK UP™ PF connection, boasting enhanced compression and torque ratings, making it the ideal connection to use in applications requiring extreme bending and continuous pipe rotation. The improved internal torque shoulder prevents over torquing in challenging environments, while also providing an extra seal barrier. PF ET features a gas-tight metal-to-metal seal that maintains its integrity throughout multiple runs and high-compression loads. Its optimized hooked thread form decreases thread jump-out, radial tension and cross-threading, while also allowing for easier stabbing and faster make-ups. The PF series is one of the most tested and reliable of the TMK connection product lines to date, and has successfully qualified under the severe ISO 13679 CAL IV test protocols.

Innovative Solutions

TMK IPSCO recognizes that as oil and gas well geometries evolve, so should your casing and connections. TMK IPSCO provides casing and premium connections that increase casing performance in well environments including high-temperature, high pressure, gas and hydraulic stimulation. Integrating TMK IPSCO casing products into your well can give the assurance that comes from highly engineered premium connections and tubulars that are tested under the toughest industry standards. The TMK UP™ products include threaded and coupled connections for greater cased hole strength and slim-profile integral connections that preserve a large casing internal diameter.

Global Strength

TMK IPSCO 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.



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Enhanced Torque Application

- Designed for casing drilling, rotation through long laterals, and harsh HPHT wells
- Swaged pin nose maximizes torque function and capabilities
- High resistance to sever bending, compression stresses, and excessive torque
- Interchangeable with TMK UP™ PF connection
- Validated using the stringent ISO 13679 CAL IV test

Hooked Thread Form

- Increased tension and compression efficiencies
- High bending capacity and evenly distributed stresses
- Deep stabbing and quick, easy make-up

Cone on Cone Metal-to-Metal Seal

- Provides a reliable, gas-tight sealing barrier
- Seal integrity unaffected by high compression
- Maintains sealability through numerous make-ups and break-outs

Run-Out Threads

- Enhanced fatigue life
- Reduced potential for cross-threading

Internal Shoulder Torque

- Excellent protection from over torquing
- Provides an additional sealing barrier
- Allows for rotation up to 80% of yield torque

