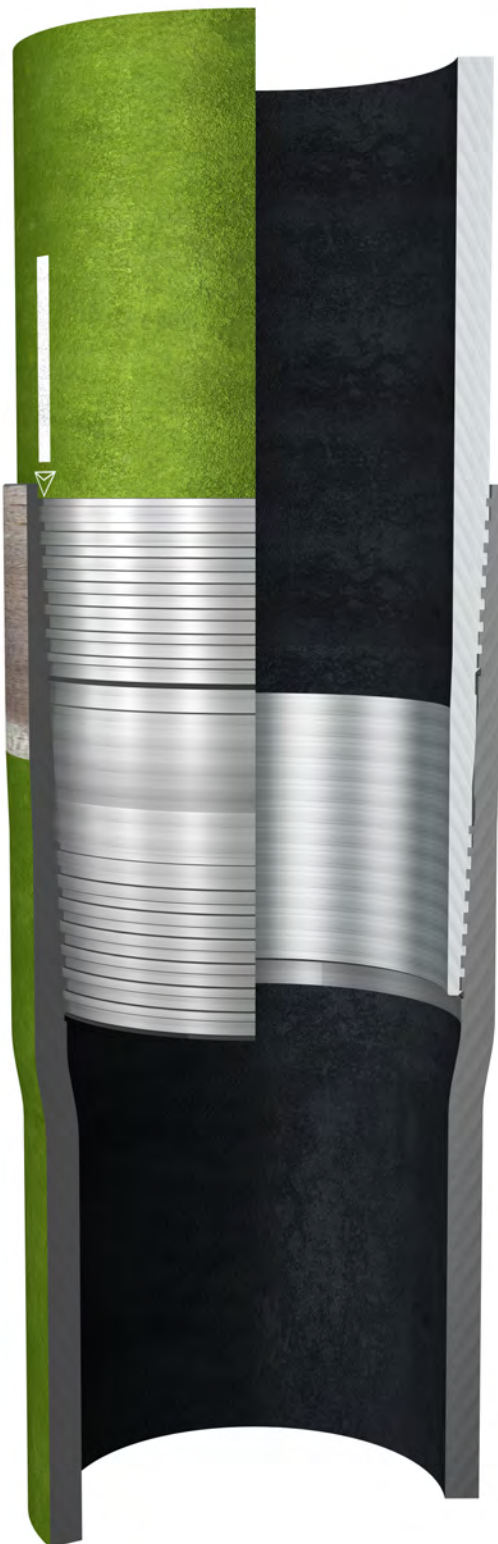


Wedge 425™ connection | 4½" TO 7⅝"

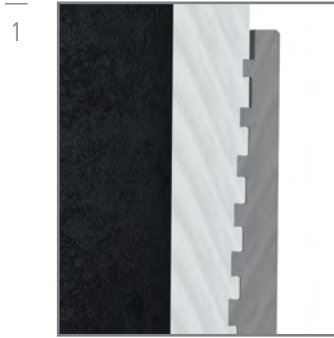
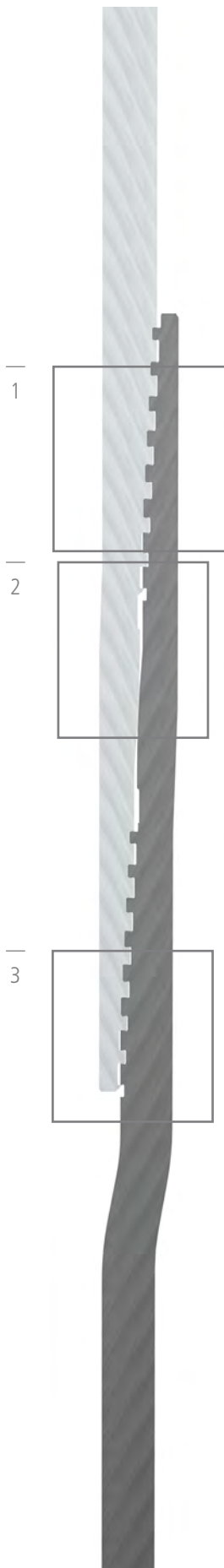
Get outstanding torque capacity and full gas sealability with our integral, semi-flush connection designed for unconventional, long lateral slim wells.



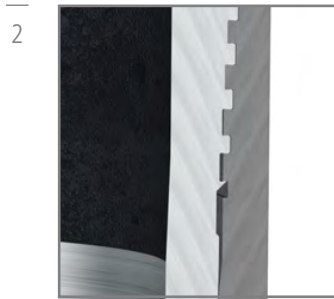
TenarisHydril Wedge 425™ has joined the Wedge Series 400™ portfolio as a high performance connection, designed for extreme torque shale applications where gas sealability is required.

With best-in-class torque capacity, the Wedge 425™ connection presents very high galling resistance at extreme torque levels, making it suitable for rotating while running and cementing. Safely withstanding the most demanding shales conditions, its sealability has been validated through the Tenaris Testing Protocol for Multi-Fractured Horizontal Wells, including fatigue, frac cycles, and sealability at operating torque, as per API 5C5 Series B CAL IV.

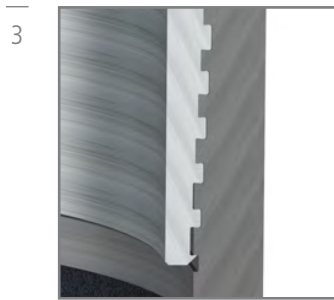
TenarisHydril Wedge 425™ replaces TORQ® SFW®, combining the latter's proven performance characteristics with specific features of TenarisHydril Wedge technology, resulting in an outstanding gas tight connection for shale applications.



- The robustness of the Wedge profile minimizes rejects and re-makeups, and increases reliability and running speed.
- Exceptional torque capability and compression efficiency through the simultaneous engagement of the opposing flanks of the dovetail thread.
- The make-up indicator allows for visual confirmation of appropriate make up.



- An intermediate metal-to-metal seal with sphere-to-sphere geometry provides exceptional sealability for fracking and gas or liquid production.
- A thread compound relief groove prevents the seal from unloading due to excessive make-up compound application.



- Internal-external run out threads maximize the critical cross-sectional area, improving axial performance and fatigue resistance.
- The robustness of its pin and box faces helps to prevent handling damages.

MAIN FEATURES

- Low Threads per Inch (TPI) thread profile and deep stabbing allow for easy and fast installation.
- Exceptional ratings in tension and compression ($\geq 90\%$).
- TenarisHydril Wedge threads assure nearly twice the torque and compression capacity of a traditional semi-flush product design.
- Evaluated following Tenaris MFHW Testing Protocol, simulating installation, hydraulic fracturing and production loads in alignment with API TR 5SF.
- 100% internal pressure sealability validated under API 5C5:2017 Series B.
- Improved fatigue resistance proven by full scale testing.

APPLICATIONS

- Unconventional
- Rotating while running
- Rotating while cementing
- Tight clearance / gas tight applications
- **Production casing**
- **Intermediate casing**

For further information please visit www.tenaris.com