

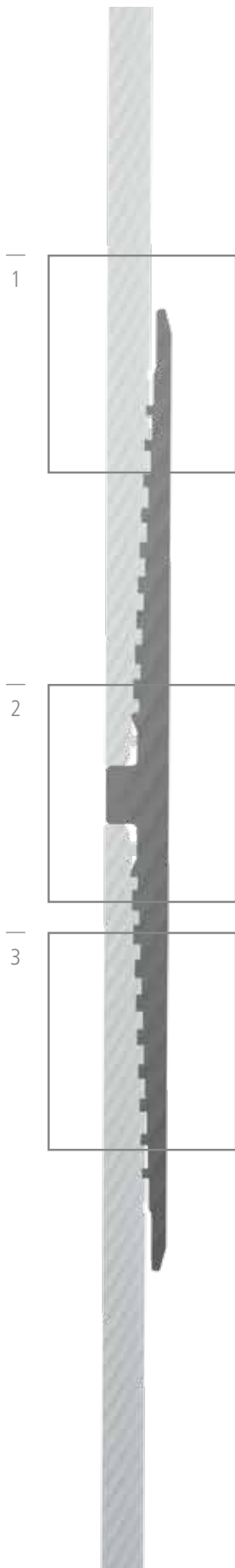
Wedge 441™ connection | 5" TO 7⁵/₈"

TenarisHydril Wedge 441™ is a threaded and coupled slim line connection for unconventional applications. Superior torque and high clearance combination makes it optimum for slim wells without gas sealability requirements.



TenarisHydril Wedge 441™, designed for production casing in shales, has the slimmest OD in the market, comparable to that of an integral joint. The reduced coupling OD allows the use in clearance restricted applications. Additionally, the Wedge thread profile and shoulder back-up provides exceptional torque capability and robustness for handling rotation in longer laterals.

With a reliable design based on field needs and validated through FEA, the Wedge 441™ connection has been evaluated according to the full-scale Tenaris Testing Protocol for Multi-Fractured Horizontal Wells (MFHW), to simulate fracking and production loads.




1




- Easy make up: no need of torque vs turns chart.
- A make up indicator and a 24" x 1" colored locator stripe on pin allows visual confirmation of appropriate make up, even at operating torque.

2



- Pins provide extra torque capacity when subjected to incremented torque resulting in pin-to-shoulder contact.
- Slim coupling OD.

3



- Exceptional torque capability and compression efficiency developed through the simultaneous engagement of opposing flanks of the dovetail thread.
- Unrivaled running reliability and robustness given by the TenarisHydril Wedge thread.

FEATURES

- Slim coupling resulting in OD comparable to that of integral connections.
- TenarisHydril Wedge thread design provides maximum overtorque capacity to manage longer laterals.
- Pin-to-shoulder back up mechanism granting additional torque capability to handle rotation.
- Robustness of Wedge profile reduces number of rejects / re-make ups
- 81.5% tension and compression efficiency.
- Low TPI thread profile and deep stabbing for speed of installation, with 15 sec/joint spinning time.

- Reduced hoop stresses on coupling compared to BTC profile connections.
- 15° standard bevel.
- Tested under Tenaris MFHW protocol, in alignment with API TR 5SF.
- Interchangeable with TSH WEDGE 461™ pins up to 7" .

APPLICATIONS

- **Production casing and liners**
- **Shales**
- **Rotating while cementing**
- **Clearance restricted applications**

For further information please visit www.tenaris.com