

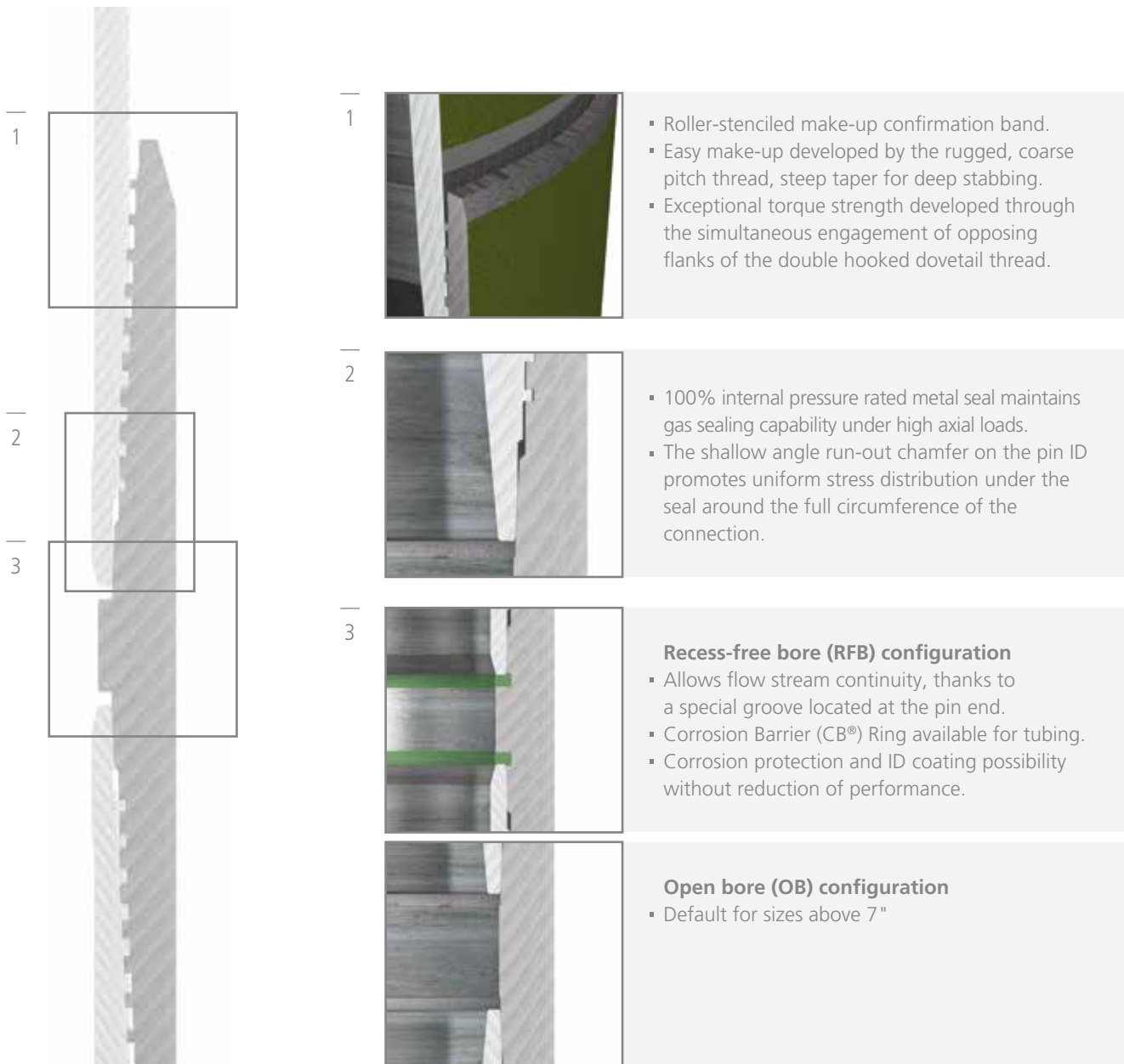
Wedge 563[®] Connection | 2³/₈" - 16"

The original all-round TenarisHydril Wedge connection providing high torque performance and robustness. Supported by over 30 years of extensive field experience and validation through historical testing protocols.



The high performance and reliability of the Wedge 563[®] design is field-proven and backed by more than 30 years of extensive field experience and customer testing, becoming a standard in many operations worldwide.

The Wedge thread design creates the largest possible contact surface area at make-up to provide superior compression and several times the torque strength of competing technologies. High bending efficiency and 100% compression capacity make it recommendable for demanding horizontal and extended reach well applications.



1

- Roller-stenciled make-up confirmation band.
- Easy make-up developed by the rugged, coarse pitch thread, steep taper for deep stabbing.
- Exceptional torque strength developed through the simultaneous engagement of opposing flanks of the double hooked dovetail thread.

2

- 100% internal pressure rated metal seal maintains gas sealing capability under high axial loads.
- The shallow angle run-out chamfer on the pin ID promotes uniform stress distribution under the seal around the full circumference of the connection.

3

Recess-free bore (RFB) configuration

- Allows flow stream continuity, thanks to a special groove located at the pin end.
- Corrosion Barrier (CB®) Ring available for tubing.
- Corrosion protection and ID coating possibility without reduction of performance.

Open bore (OB) configuration

- Default for sizes above 7"

FEATURES

- The large contact area of dovetail threads increase rigidity, reducing the risk of galling.
- 100% ratings in tension and compression, allowing to reach TD in demanding horizontal and extended reach wells.
- Bending efficiency equal to tension efficiency (higher than 95% in the full range).
- The 100% internal pressure-rated metal seal maintains gas sealing capability under high axial loads.
- 100% collapse-rated thread seal created by full form contact of the dovetail threads.
- The superior torque capability provides a greater safety margin against unpredictable down-hole torque.
- With the recess-free bore (RFB) configuration – standard for sizes up to 7" – the internal flush profile provides flow continuity between pipe and coupling on internally coated tubulars, while maintaining connection performance.
- Wedge 563® is interchangeable with Wedge 533® and Wedge 553®.

APPLICATIONS

- Deep and Shallow Water, HP/HT & Deep Wells
- Unconventional
- Casing while Drilling
- Horizontal & extended reach wells
- Thermal (SAGD & CSS)
- Workstring
- Corrosion protection & ID coating
- **Intermediate casing**
- **Production casing, tie-backs & liners, tubing**

OPTIONS

- **Dopeless® technology**
- **Matched strength**
- **Recess-free bore (RFB) optional for sizes above 7"**
- **CB® ring**
- **TenCoat™ proprietary ID coatings**

For further information please contact premiumconnections@tenaris.com