

PROPRIETARY  
PREMIUM  
CONNECTIONS



 **SENTINEL<sup>®</sup> PRIME**  
A Tubacex Technology

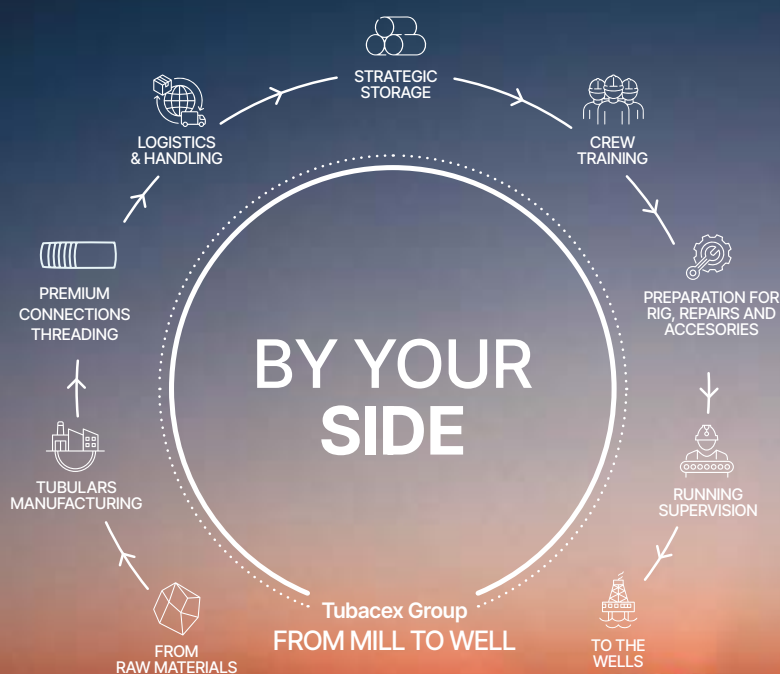
[www.sentinelconnections.com](http://www.sentinelconnections.com)

# CONNECT IT ALL

**A TESTED AND RELIABLE PROPRIETARY PREMIUM CONNECTION, ENABLING TUBACEX TO BRING AN END-TO-END CRA SOLUTION.**

Our core belief lies in the power of innovation to drive transformation. We're not simply manufacturers of connections; we're catalysts for change, reshaping the industry with our unique solutions crafted from corrosion-resistant alloys.

Our dedication extends beyond delivering products; it's about revolutionizing the sector, offering an integrated supply chain that's meticulously produced from inception to completion.



**TUBACEX Group**, with a legacy of decades in the OCTG segment, presents **Sentinel® Prime**, a **premium connection** which drives value ensuring reliability and high performance in critical well environments.



### Materials Expertise

- Advanced alloy formulations for CRA's.
- Comprehensive in-house CRA tubular products manufacturing.
- State-of-the-art OCTG finishing and inspection processes.



### Streamlined Project Execution

- Demand planning, inventory management, rig preparation and rig returns management.
- Integrated solutions for logistics and warehousing.
- Full range of accessories and tools for well operations.



### Advanced Premium Connections

- Provision of latest generation premium connections.
- Effective threading process capabilities.
- Integration with eco-friendly surface finish and lubrication systems.



### Excellence in Field Services

- Global running services supervision.
- Crew training.
- 24/7 technical support.



### Next generation premium connection for critical well environments.

SENTINEL® Prime has been full-scale tested to API 5C5:2017 at the highest standard (CAL IV). Designed and tested for CRA materials—including Super Duplex (CR25), Alloy 28, and Alloy 825—it has demonstrated outstanding performance, also applicable to carbon steel grades.



### Excellence in delivery of downhole tubular technologies with unmatched customer service.

From our global manufacturing centers to the customer rig site, TUBACEX is a leader in the supply of OCTG CRA solutions for critical well environments.



### Complete control of the manufacturing process.

From steel melting to rolling, threading, delivery and field service support, our tubulars are supplied with an unswerving commitment to safety, efficiency, and flexibility across the value chain.

SENTINEL® Prime guarantees optimal performance with both **standard surface treatments** (Cu-plating/Mn-phosphating + API-modified thread compound) and **proprietary environmentally friendly alternatives**.

### Connection features and benefits

- Enhanced M&B performance
- Ease of stabbing and running
- 100% compression rating
- Full in-house manufacturing
- Wide range of operative torques

# Conventional and Low Carbon applications

E&P Critical Wells
HP/HT
Enhanced Oil Recovery
CCUS
Geothermal
Hydrogen Storage

# End finish options

<b>Rig-ready</b> storage and running system: Specially coated box + Engineered Eco lubricant ( <b>reduced environmental footprint</b> )
Standard CRA end finish: Cu-platted box + API-modified thread compound

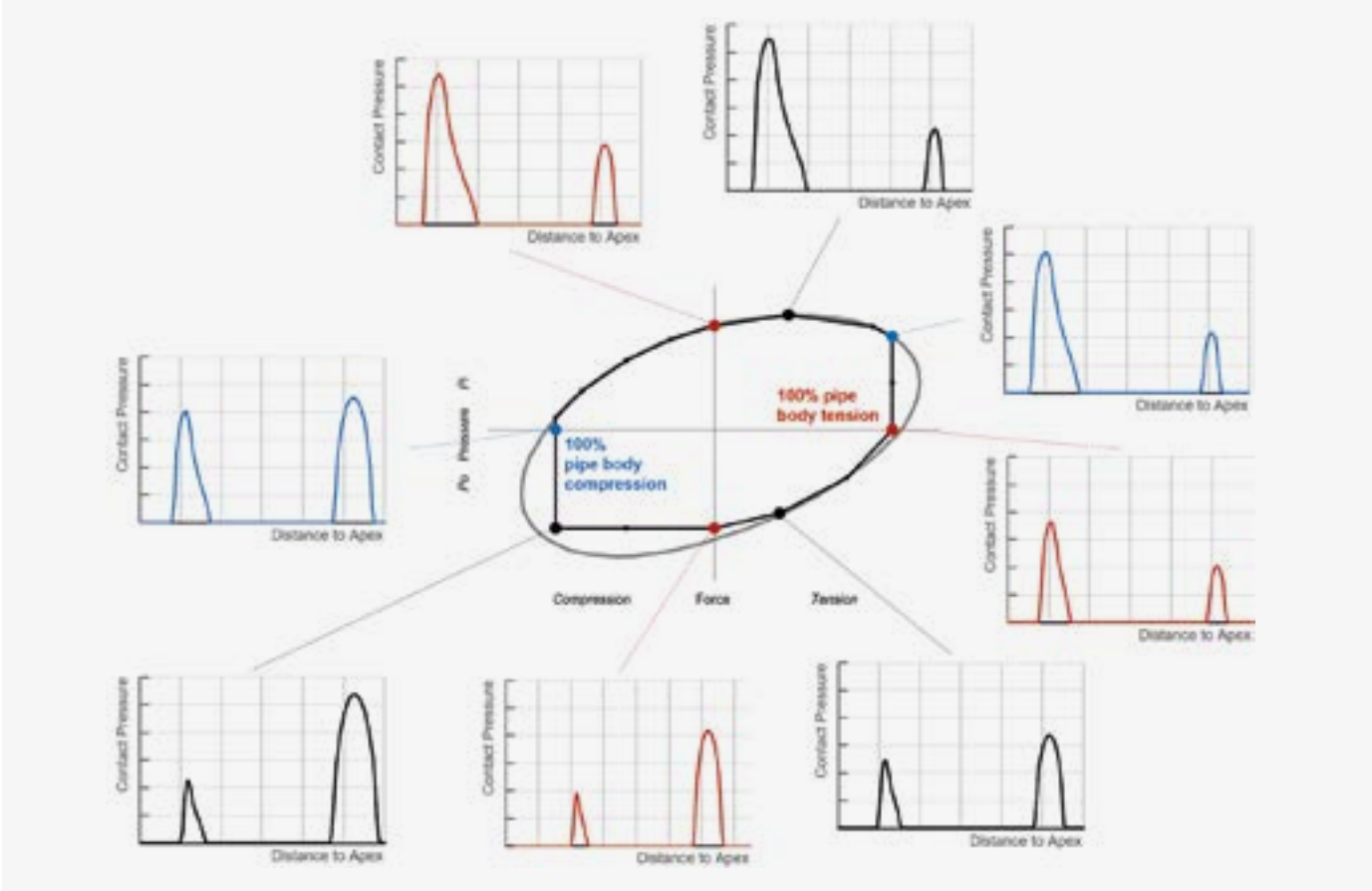
OD size range: from 2 3⁄8" to 13 3⁄8"

# Seal design

Double radial seal to optimize contact pressure
Reduced contact pressure peaks to minimize galling propensity
Maximized torque shoulder area to improve compression rating and overtorque capability

# Thread design

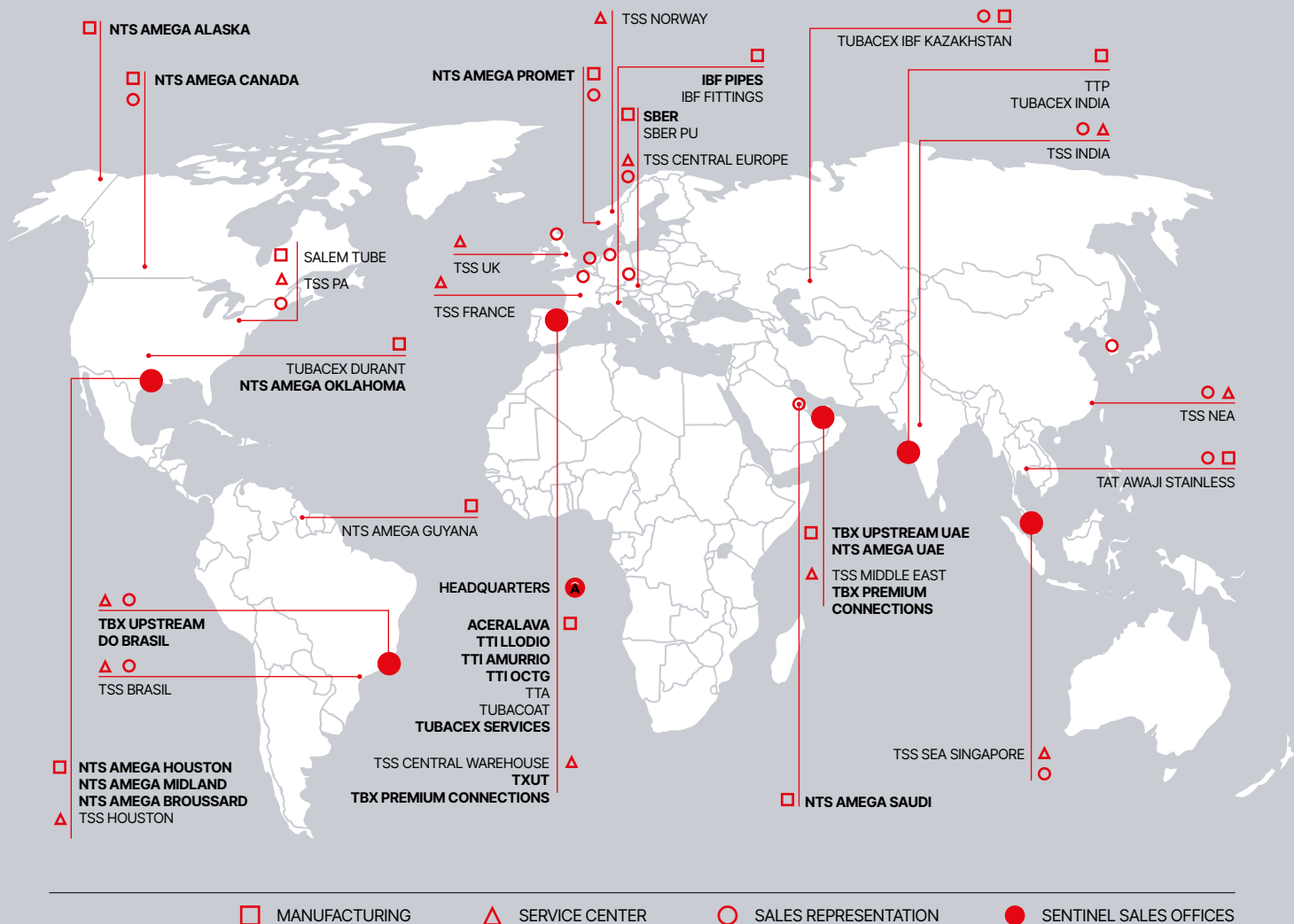
Negative load flank hook design
Positive stabbing flank
Reduced gap to maximize performance under compression



Complies with 100% pipe body envelope

Qualified as per API RP 5C5:2017 - CAL IV

We are the partner  
to deliver an **integrated**  
**OCTG CRA solution.**



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