

# Coiled Tubing

for Subsea Applications



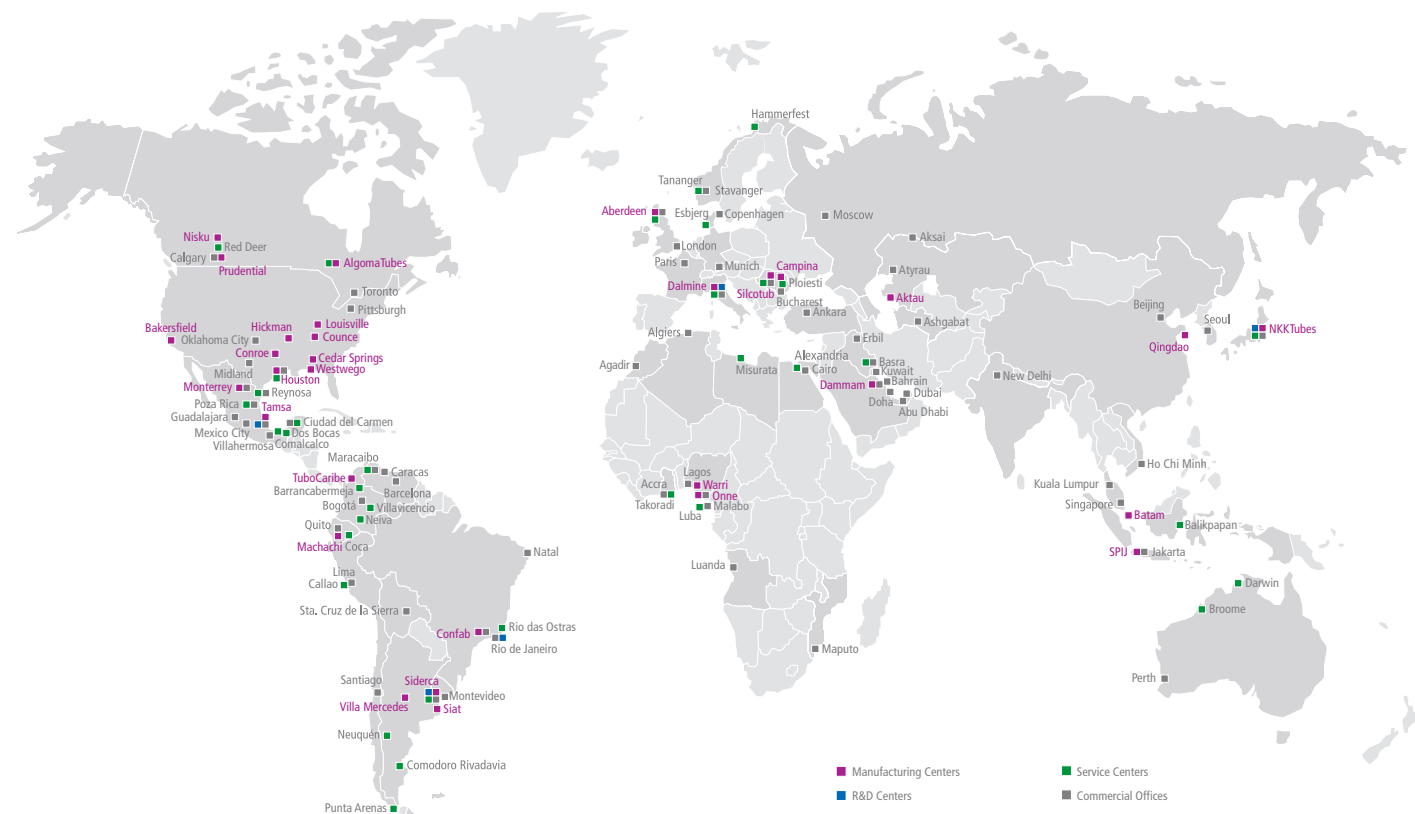
# Tenaris

Tenaris is a leading supplier of tubes and related services for the world's energy industry and certain other industrial applications. Our mission is to deliver value to our customers through product development, manufacturing excellence, and supply chain management. We seek to minimize risk for our customers and help them reduce costs, increase flexibility and improve time-to-market. Tenaris employees around the world are committed to continuous improvement by sharing knowledge across a single global organization.

Since 1994, Tenaris has been producing a range of subsea tubular products tailored to the specific demands of an expanding spectrum of subsea applications.

Tenaris was the first API 5LCP certified coiled line pipe manufacturer in the world, setting a new standard for manufacturing and testing of coiled products in the industry. We have a company-wide Quality Management System, certified by ISO-9001, making Tenaris the only coiled tubing producer in the world to hold this certification as well.

Located in Houston, Texas, Tenaris's coiled tubing facilities custom produce and deliver tubing quickly and more cost-effectively for both local and international customers.



# Subsea Tubular Products

## STAINLESS STEEL

Utilizing a laser-welding technology to ensure maximum precision and durability, Tenaris manufactures stainless steel coiled tubing in a variety of grades and cleanliness levels with pressure ratings up to 15,000 psi. Grades include Super Duplex 2507, Lean Duplex 19D (w/zinc cladding), and 316L. Our proprietary production process allows for continuous lengths of up to 65,000 feet while minimizing the number of girth welds which make the strings ideal for dynamic umbilical applications where fatigue failure poses a significant threat.

## CARBON STEEL

In addition to providing stainless steel umbilical tubing, Tenaris also produces 3-layer coated carbon steel tubing for use in gas-lift applications that can be incorporated into an umbilical design. The exterior coating can be either High-Density Polyethylene or High-Density Polypropylene. These coatings can also be applied to our stainless steel products for additional protection.

Both products complement Tenaris's SURF (Subsea, Umbilicals, Risers and Flowlines) package of tubular products for offshore applications.

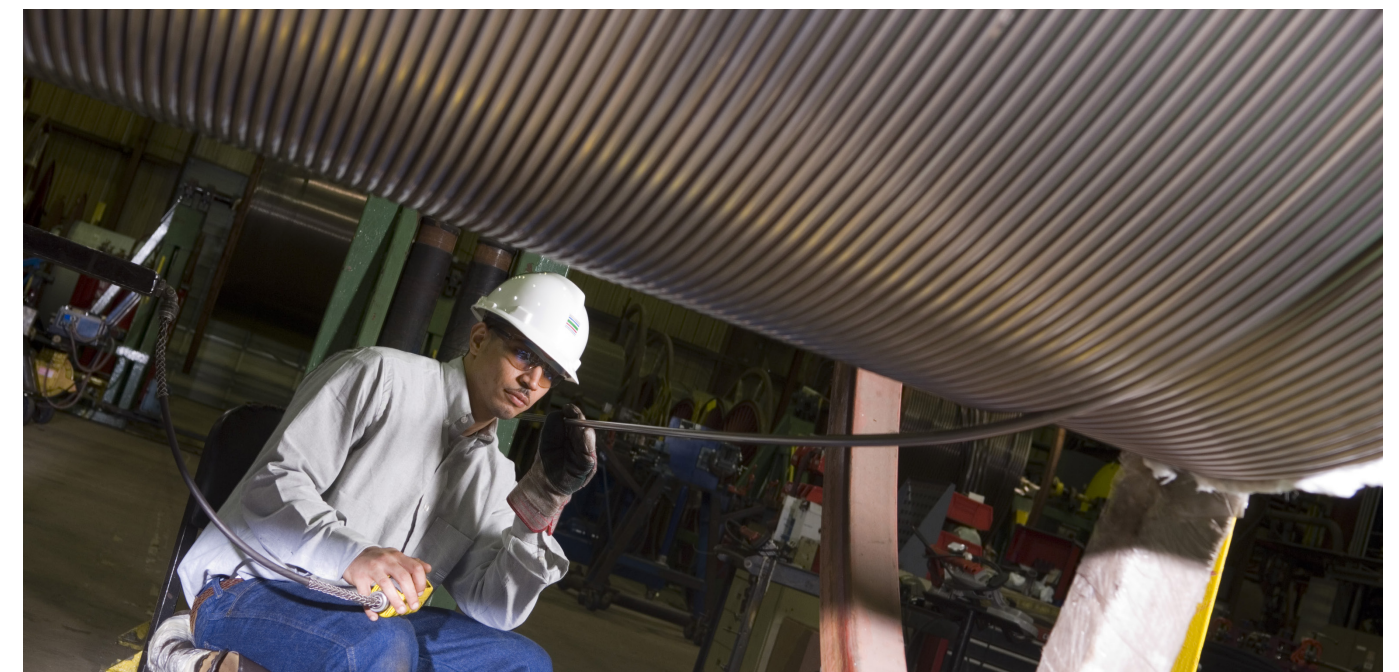
## UMBILICAL TUBING ALLOYS

- Super Duplex 2507
- Lean Duplex 19D (w/Zinc Cladding)
- 316L
- Zinc Rod
- Carbon A606 Type 4 Modified (With 3-layer HDPE/HDPP coating)

## UMBILICAL APPLICATIONS

- Control Lines
- Flying Leads
- Chemical Injection Lines
- Hydraulic Lines
- Gas Lift

Tube diameters available are 9.52mm (3/8") up to 127 mm (5")  
Wall thickness from 0.89mm (0.035") up to 7.62 mm (0.300")  
Other sizes/alloys are available on request





For more information, please visit  
[www.tenaris.com/coiledtubes](http://www.tenaris.com/coiledtubes)



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