

# Cogne Acciai Speciali

**Cogne Acciai Speciali is focusing on the Oil&Gas market.**

## Why?

We are fully committed to the Oil&Gas industry's demands for high-performance stainless steels; Significant growth in the Oil&Gas Industry's application of stainless steel long products; Technological developments tied to reducing corrosion and to improving the endurance of equipment; Since 2010 the use of stainless steel long products has doubled and it is forecasted to grow within a few years;

## How?

By offering a global footprint with tailored solutions; Technological collaboration with our research-driven partners; Development of new nuance for specific niche market; Plant restructuring supported by a 100 year-long history of quality know-how; New "Fast AOD" to improve high quality levels and productivity for Duplex and Superduplex products; New high performance heat treatment furnace, focused on Super Alloy treatment certified according to NACE, and approved by Norsok; New peeling machine for large round forged bars, addressed to seamless tube market; Global footprint (stainless steel supplier with worldwide locations).

## Duplex&SuperDuplex Corrosion Resistance

The classification of stainless steels for Oil&Gas applications is commonly achieved through a "Pitting Resistance Equivalent Number" PREN, which seeks to define corrosion in aggressive environments:  $PREN = \%Cr + 3.3 \times \%Mo + 16\%N$  Martensitic grades with adjustable properties by Heat treatment Super Austenitic grades with adjustable properties by production process Duplex 329A and SuperDuplex 329S-S1: for duplex steels the PREN value must not be below 30.

Where the PREN > 40 the steel is classified as SuperDuplex.

## Our quality

Our quality and R&D service has the responsibility of guaranteeing that Cogne products respond to both the most demanding International Standards and to each customer's individual specifications.

Our company is certified according to ISO 9001:2008; ISO/TS 16949:2009; ISO14001:2004; Norsok; TUEV 2013.

Our search for innovative solutions and the promotion of a customer orientated Company Culture has led us to develop the following:

- Customer service
- Metallurgical process control
- Laboratory and testing
- Research and Development
- Quality Certification
- Customer homologation

**OUR DASHBOARD**  
Quality... every step of the way

**MELTING**  
Taylor made Chemical analysis  
Casting/Pouring parameters control

**ROLLING & FORGING**  
Product defectivity online control

**HEAT TREATMENT**  
Heat treatment diagram control  
Mechanical characteristic control

**FINISHING & FINAL INSPECTION\***  
Peeling (+reeling)  
Turning  
Dimensional control  
Eddy current testing machine  
US testing  
Final approval

\* World -wide locations



## Products for Oil&Gas

### ROUND BARS

Cold drawn and bright bars

3 - 100 mm

1/8" - 4"

Peeled bars

20 - 400 mm

7/8" - 15,7"

Rough turning bars

400 - 900 mm

15,7" - 35"

### SEMIS

Ingots

7.000 kg - 70.000 kg

4.400 lb - 154.000 lb

Forged bars (rcs or round)

100 - 1500 mm

4" - 60"

**Cogne Acciai Speciali**

**Company details:**

Name: Cogne Acciai Speciali  
Address: Via Paravera, 16  
Aosta  
Postcode: I-11100  
Country: Italy  
Phone: 0039 0165 3021  
Fax: 0039 0165 43779  
Email: sales@cogne.com  
Website: www.cogne.com