



Hot rolled and hot rolled P&O

Coils and cut products

Hot rolled coils can be used in several application fields. **Structural, pressure equipment, gas cylinders, furniture's tubes, shipbuilding, drawing, high strength components** in **automotive** and **mechanical engineering**, are only some of the main applications which is worth remembering.

To meet the typical requirements of the uses for which they are intended, the coils are mainly made of Carbon-Manganese steel while Niobium micro alloyed steels (HSLA) are used for the most critical uses.

The strength ranges of the products mentioned above have yields ranging from 185 to 420 MPa and tensile strengths that can exceed 600 MPa.

Black coils can undergo a process of **chemical removal of the superficial iron oxide** using hydrochloric acid (pickling) and be marketed as "**pickled**" with resistance ranges like those of black coils.

Facilities

	HR	HR P&O
Production lines (nr.):	2	2
Production site:	Taranto	Taranto, Genova
Production capability (mt/year):	9.000.000	1.200.000

Dimensional ranges

	Wide strips	Narrow strips	Cut sheets
Thickness (mm)	1,8 - 12,0*	1,8 - 10*	1,8 - 12,0*
Width (mm)	850 - 2040*	15 - 599	600 - 2040*
Internal diameter (mm)	610 or 762	508 or 610 or 762	-
Length (mm)	-	-	500 - 12.500

*P&O can be supplied up to 6,0 mm of thickness and 1800 mm of width depending on the steel grades.

Main reference quality standard

Applications	Standard	Steel grade
Structural steels	EN 10025-2	S185, S235, S275, S355
Steels with atmospheric corrosion resistance	EN 10025-5	S355J0WP
High yield strength steels for cold forming	EN 10149-2	S315, S355, S420
Steels for pressure purposes	DIN EN 10025-2 AD/00 MERKBLATT W1 EN 10028-2	S235; S275 P235, P265, P295, P355GH
Steels for cold forming	EN 10111	DD11; DD12; DD13; DD14;
Steels for cold rerolling, antifruting	Internal ADI standard	RH20; RH40; FE K0GZ
Steels for furniture pipes	Internal ADI standard	HTMO315; HTMO355
Teardrops and Chequered steels	EN 10025 (mainly)	S185, S235, S275
Shipbuilding	Main international standards (RINA, Bureau Veritas, LLOYD'S REG.)	Grado A, AH36, DH36
Automotive	Main automotive standards	

- Other standards can also be supplied (i.e., SAE J403, ASTM, API 5L, EN ISO 3183).
- Suitability for galvanizing according to request.

Supply conditions:

- Size and dimensional tolerances according to EN 10051 or other standards or agreed specification. Tight ADI tolerances are also available;
- Technical documents according to EN 10204 or ISO 10474;
- CE / UKCA marking where expected. Declaration of Performance also included.