Acciaierie d'Italia

Steel Forward

Plates and Profile Slabs

Quarto rolling mill products

Plates and Profile Slabs from Quarto Plates are manufactured in Carbon-Manganese unalloyed or low alloyed steel, obtained by Thermomechanical Rolling or Normalizing rolling depending on use.

The plates have **thickness** ranging from 8 to 153 mm, while Profile Slabs have **thickness** between 154 to 225 mm. Plates can be supplied with **widths** and **lengths** ranging from 1.300 to 4.500 mm and from 4.000 mm to 18.000 mm respectively.
Shorter lengths can be obtained by cutting.

The Quarto Plates main applications are **structural**, **shipbuilding** and **pressure equipment**.

Steel grades have yield strength from 235 MPa to 460 MPa, and tensile test from 340 MPa to 550 MPa, sometimes even with impact tests at temperature between -50°C and +20°C.

The plates can be supplied with a **black surface** or with **shot-blasting & primering** surfaces treatments.

Facilities

	Quarto Plates & Profile Slabs
Production lines (nr.):	1
Production site:	Taranto
Production capability (mt/year):	1.500.000

Dimensional ranges

	Quarto Plates	Profile Slabs
Thickness (mm)	8 ÷ 153	154 ÷ 225
Width (mm)	1.300 ÷ 4.500	1.300 ÷ 2.800
Length (mm)	4.000 ÷ 18.000	4.000 ÷ 6.000

Main reference quality standard

Product description	Standard	Grade	Thickness (mm)
Structural steels	EN 10025-2	S235; S275 JR +N/+AR S235; S275 J0, J2 +N/+AR S355JR +AR S355JR +N S355J0, J2, K2 +AR S355 J0, J2, K2 +N	8÷153 8÷80 8÷120 8÷100 8÷80 8÷60
	ASTM A36		8÷153
	ASTM A283	Grade B, C Grade D	8÷80 8÷20
	ASTM A572	Grade 42 Grade 50	10÷100 10÷60
	ASTM A573	Grade 70	8÷40
Normalized rolled weldable fine grain structural steels	EN 10025-3	S275N S275NL; S355NL S355N S420N; S420NL	8÷60 10÷40 8÷50 10÷30
Thermomechanical rolled weldable fine grain structural steels	EN 10025-4	S275M; S355M S275ML; S355ML S420M; S460M S420ML S460ML	8÷80 10÷60 10÷60 10÷60 10÷40
Structural steel with improved atmospheric corrosion resistance	EN 10025-5	S355J0W, J2W, K2W +N S355J0W, J2W, K2W +AR	10÷60 10÷80
Non-alloy and alloy steels for pressure purposes with elevated temperature properties	EN 10028-2	P235GH; P265GH; P295GH	8÷60
Weldable fine grain steels for pressure purpose, normalized	EN 10028-3	P275NH; P355N; P355NH P275NL1; P275NL2 P355NL1; P355NL2	10÷60 8÷30 10÷30
Weldable fine grain steels for pressure purpose, thermomechanically rolled	EN 10028-5	P355M P355ML1; P355ML2 P420M; P460M P420ML1; P420ML2 P460ML1; P460ML2	10÷80 10÷60 10÷60 10÷60 10÷40
Pressure vessel plates, carbon steel, low and intermediate tensile strength	ASTM A285	Grade C	8÷50
Pressure vessel plates, carbon steel, for moderate and lower temperature service	ASTM A516	Grade 55; Grade 60; Grade 65 Grade 70	8÷40 8÷30
Plates for shipbuilding	R.I.NA. LLOYD'S REGISTER AMERICAN BUREAU OF SHIPPING BUREAU VERITAS DNV	A; B; D; E; AH32; DH32; AH36; DH36E; EH32; EH36	8÷80
Plates for pipeline	API 5L EN ISO 3183	up to X70 PSL1, PSL2 up to X70 PSL2E	8÷40
Profile Slabs	EN 10025-2 ASTM A36	S275; S355 JR+AR (Chemical composition only)	154÷225

- On request, different qualities from above can be supplied or in accordance with the customer's technical specifications.
- Where applicable, suitability for galvanizing and lamellar tearing resistance may be required.

Supply conditions:

- Size and shape tolerances according to EN 10029, ASTM A6, ASTM A20 and special tolerances when required;
- Certificates and technical documents according to EN 10204 and ISO 10474;
- Plates supplied according to EN 10025, are delivered with the CE/UKCA conformity marking and relative Declaration of Performance (DoP);
- Plates supplied according to EN 10028 may be used for the manufacture of Pressure Vessels (Directive EU - PED).