



ERW structural pipes

In Acciaierie d'Italia, in Taranto, a **longitudinal pipe mill** with **high frequency electric resistance welding** (HFW-ERW) is in operation, to produce structural pipes to complete the "Hollow Sections" product range. The production unit is specialized in the production of ERW circular hollow sections and is fed by black surface coils produced in the Taranto rolling mill. ERW pipes are characterized by a high **uniformity of mechanical properties** for their entire length. In addition, they can be normalized in the welding area and the weld bead is removed internally.

Pipes for structural use are available in different thicknesses, diameters and quality grades. These are mainly intended for use in the construction sectors, for foundation piles, reticular structures, shoring systems and for heavy industrial carpentry in general.

The hollow section allows for a considerable lightening of the structures as well as facilitating their transportability and installation.

Facilities

Production Site: Taranto

Welding Line (nr.): 1
Production Capacity (tons/year): 200.000

Dimensional Range

Thickness (mm) 4,0* ÷ 12,7
Diameter (mm) 219,1 ÷ 508
Length (mm) 6.000 ÷ 14.000

*Minimum feasible thickness depending on pipe diameter.

Main reference quality standard

Applications	Standard	Steel Grade
Structural Pipes	EN 10219	S235 JRH; S275 J0H; S275 J2H; S355 J0H; S355J2H; S355K2H; S420 MH; S460 MH
	ASTM A252	Grade 1; Grade 2; Grade 3
	CSA G40.21	350W

Certifications according to the international regulations

Quality Management System UNI ISO 9001:2015

Certificate of Production Control and Declarations of Conformity "CE Mark"
(EU Regulation 305/2011 ex Directive 89/106 / EC) for structural profiles standard UNI EN 10219-1: 2006