

STEEL PLATES FROM HOT ROLLED COILS

Qualità: 13CrMo4-5

Pressure Vessel Steel

Quality **13CrMo4-5**

Norm **EN10028-2**

W. Nr. **1.7335**

Rolling state **N – Normalized**

Description Heat-resistant, chrome-moly pressure-vessel steel. High heat and corrosion resistance thanks to a good percentage of chrome and molybdenum in its chemical composition. Good weldability and good cold and hot-forming properties

Applications Pressure vessels, boilers and pipes transporting hot liquids.

Standard coils' stock range

At times, some of the dimensions listed here might be unavailable: please make sure to get in touch with our sales department for a real-time update about the actual stock availability.

	1750	2000
4	•	
5	•	
6		•
8		•

Chemical composition According to norm EN10028-2

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.			0,04		0,74		0,40	0,35	
Max			0,17		1,21		0,65	0,73	

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.					0,13				
Max			0,035	0,010	0,45				

Mechanical properties According to norm EN10028-2

Nominal Thickness (mm)	≤ 16	> 16
Yield Strenght (MPa)	≥ 300	≥ 290

Nominal Thickness (mm)	< 25
Tensile Strenght (MPa)	450 - 6000

Nominal Thickness (mm)	3 < t ≤ 25
Total Elongation A5%	≥ 19

Temperature (°C)	20
Notch Impact Energy (J)	≥ 31

Tolerances

Dimensional Tolerances

UNI EN 10051

Surface Status

UNI EN 10163-2

Equivalences

W. Nr.	ASTM	England BS	France AFNOR
1.7335	A387-12-2	620B	15CD4.05

Certificazioni

- EN10204-3.1
- PED/97/23/EC
- AD2000W1

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