

STEEL PLATES FROM HOT ROLLED COILS

Grade: 16Mo3

Pressure Vessel Steel

Quality	16Mo3
Norm	EN10028-2
W. Nr.	1.5415
Rolling state	N – Normalized
Description	Chrome-moly, heat-resistant 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. <i>Available also in coils 2500mm wide.</i>

Applications

Pressure vessels, boilers and pipes transporting hot liquids.

Standard coils' stock range

	1500	2000	2500
2	•		
2,5	•		
3	•		
4	•	•	
5	•	•	•
6	•	•	•
8	•	•	•
10	•	•	•
12	•	•	•
15	•	•	•

Dimensions other than the ones listed here can be sourced on agreement.

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.

Chemical composition According to UNI EN 10028-2

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.			0,12				0,25	0,40	
Max			0,20		0,30	0,30	0,35	0,90	0,012

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max	0,30		0,025	0,010	0,35				

Mechanical properties According to UNI EN 10028-2

Nominal Thickness (mm)	≤ 16	> 16
Yield Strenght (MPa)	≥ 275	≥ 270

Nominal Thickness (mm)	< 16
Tensile Strenght (MPa)	440 - 590

Nominal Thickness (mm)	< 16
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Total Elongation A5%	≥ 22
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	Germany DIN	France AFNOR
1.5415	A204 a/b/c	243B	15Mo3	15 D 3

Certifications

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

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