

STEEL PLATES FROM HOT ROLLED COILS

Grade: S235JR+AR

Structural Steel

Grade **S235JR+AR**
 Norm **EN10025-2**
 W. Nr. **1.0038**
 Rolling state **AR – as rolled**

Description

Applications

Standard coils' stock range

	1000	1250	1500	1720	1750	1800	1830	2000	2130
1,5	•	•	•						
2	•	•	••	•			•		
2,5	•	•	••		•	•		•	
3	•	•	••		•	•		•	
4	•	•	••		•	•		•	•
5	•	•	••			•		•	•
6	•	•	••			•		•	•
7			•			•		•	
8	•	•	•			•		•	
10	•	•	•			•		•	
12	•	•	•			•		•	
15			••					•	
20			•					•	

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.

• = S235JR +AR pickled and oiled

Chemical composition According to EN10025-2

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.									
Max			0,17			0,55		1,400	0,012

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

Mechanical properties According to EN10025-2

Nominal Thickness (mm)	≤ 16	> 16
Yield Strenght (MPa)	≥ 235	≥ 225
Nominal Thickness (mm)	< 3	≥ 3
Tensile Strenght (MPa)	360 – 510	360 - 510

Nominal Thickness (mm)	< 3	3 ≤ t ≤ 25
Total Elongation A80%	≥ 21/19	
Total Elongation A5%	≥ 26/24	
Temperature (°C)	20	
Notch Impact Energy (J)	≥ 27	

Tolerances

Dimensional Tolerances

UNI EN 10051

Surface Status

UNI EN 10163-2

Equivalences

W. Nr.	ASTM ASME	Japan JIS	China	Germany DIN	Italy UNI	France AFNOR
1.0038	A283C	SS400	Q235A	St37-2	Fe360B	E24-2

Certifications

- EN10204-3.1
- CE / Declaration of Performance

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