

## STEEL PLATES FROM HOT ROLLED COILS

**Grade: S355J2C+N**

Structural Steel

Grade **S355J2C+N**

Norm **EN10025-2**

W. Nr. **1.0569**

Rolling state **N - Normalized**

Description Non alloyed steel for structural uses. Suitability for cold forming.

*Available also in coils 2500mm wide*

Applications Skips, trailers, cranes, excavators, forestry machineries and other machineries, wagons, highway bridges, pipes, pumps, ventilation systems, metal structures, offshore structures, transmission towers and naval sector.

Standard coils' stock range

	1000	1250	1500	1800	2000	2130	2500
2	•	•	• •				
2,5	•		• •				
3	•	•	• •	•	•		
4	•	•	• •	•	•		
5	•	•	• •	•	•		•
6	•	•	• •	•	•	•	•
7			•		•		
8	•	•	• •	•	•	•	•
10	•	•	•	•	•		
12			•		•		
15			•		•		
18			•				
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.

• = S355J2C+N pickled and oiled

### Chemical composition According to UNI EN 10025

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.									
Max			0,20					1,600	

  

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max			0,035	0,035	0,55				

### Mechanical properties According to UNI EN 10025

Nominal Thickness (mm)	≤ 16	> 16
Yield Strength (MPa)	≥ 355	≥ 345
Nominal Thickness (mm)	< 3	≥ 3

Tensile Strength (MPa)	510 – 680	470 - 630
Nominal Thickness (mm)	3 ≤ t ≤ 20	
Elongation	≥ 22/20	
Temperature (°C)	-20°C	
Notch Impact Energy (J)	≥ 27	

### Tolerances

#### Dimensional Tolerances

UNI EN 10051

#### Surface Status

UNI EN 10163-2

### Equivalences

W. Nr.	Germany DIN	Italy UNI
1.0579	St52-3N	Fe510D

### Certifications

- EN10204-3.1
- CE / Declaration of Performance

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