

STEEL PLATES FROM HOT ROLLED COILS

Grade: S355K2C+N

Structural Steel

Grade **S355K2C+N**

Norm **EN10025-2**

W. Nr. **1.0594**

Rolling state **N - Normalized**

Description Non alloyed steel for structural uses. Suitability for cold forming and severe cold weather conditions (V-charpy tested at -20°C for **40J**)

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	1500	1800	2000
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.

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)	$3 \leq t \leq 20$
Elongation	≥ 22/20

Temperature (°C)	-20°C
Notch Impact Energy (J)	≥ 40

Tolerances

Dimensional Tolerances
 UNI EN 10051

Surface Status
 UNI EN 10163-2

Certifications

- EN10204-3.1
- CE / Declaration of Performance

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