

STEEL PLATES FROM HOT ROLLED COILS

Grade: S700MC

High Strength Steel

Quality **S700MC**

Norm **EN10149-2**

W. Nr. **1.8974**

Rolling state **AR – as rolled**

Description High-strength low alloy steel for cold forming. Exceptional weldability for fast and efficient processing. Load-bearing capacity without weight penalties.

Applications Cranes, earthmoving equipment, agricultural machineries, telescopic booms, truck trailers.

Standard coils' stock range

	1000	1250	1500	2000
2	•	•		
2,5		•		
3	•	•	•	
4		•	•	
5	•	•	•	•
6		•	•	•
7			•	•
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 EN10149-2

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,015								
Max		0,005	0,12				0,50	2,10	

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max		0,09	0,025	0,015	0,60		0,22	0,2	

Mechanical properties According to EN10149-2

Nominal Thickness (mm)	≤ 15
Yield Strenght (MPa)	≥ 700
Nominal Thickness (mm)	≤ 15
Tensile Strenght (MPa)	750-950

Nominal Thickness (mm)	<3	≥ 3
Total Elongation A80%	≥10	
Total Elongation A5%	≥ 12	
Temperature (°C)	-20°C	
Notch Impact Energy (J)	≥ 27	

Tolerances
Dimensional Tolerances

UNI EN 10051

Surface Status

UNI EN 10163-2

Equivalences

W. Nr.	ASTM ASME	Germany DIN	England BS	France AFNOR
1,8974	A514	QstE690TM	75F70	E690D

Certifications

- EN10204-3.1
- CE / Declaration of Performance

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