

STEEL PLATES FROM HR COILS AND QUARTO PLATES

Grade: S690QL1

High Strenth Steel

Grade **S690QL1**

Norm **EN10025-6**

W. Nr. **1.8988**

Rolling State **AR- Grezzo di laminazione**

Description Acciaio ad alto limite elastico per impieghi strutturali. Acciaio con buona lavorabilità, peso ridotto, alta capacità di portata ed elevata resistenza. Le sue caratteristiche permettono un risparmio dei costi di gestione.

Disponibile in larghezza 2500mm.

Applications Chassis, dumper, parti di gru, strutture metalliche (ponti e strutture offshore), recipienti a pressione, serbatoi, impianti energetici, attrezzature e macchinari per movimentazione merci, supporto di tetti, attrezzature agricole e rimorchi.

Standard coils' stock range

	Coils 2500mm wide	Quarto plates 2500x12000
6	•	
8	•	
10	•	
12	•	
15	•	•
20		•
25		•
30		•
40		•

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 10025-6

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.									
Max	0,015		0,200		1,500		0,700	1,700	

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max	2,000		0,020	0,005	0,800				

Mechanical properties According to EN10025-6

Nominal Thickness (mm)	≤ 50	50<t≤100	>100
Yield Strenth (MPa)	≥690	≥650	≥630

Nominal Thickness (mm)	≤ 50	50<t≤100	>100
Tensile Strenth (MPa)	770-940	760-930	710-900

Nominal Thickness (mm)	≤ 50	50<t≤100	>100
Total Elongation A5%	14	14	14

Temperature (°C)	-60°C	-40°C	-20°C	0°C
Longitudinal Notch Impact Energy (J)	30	40	50	60
Transversal Notch Impact Energy (J)	27	30	35	40

Tolerances

Dimensional Tolerances

UNI EN 10029 Cl. B

Surface Status

UNI EN 10163-3

Equivalences

W. Nr.	Germany DIN
1.8988	EStE690V

Certifications

MTC according to EN10204-3,1

CE / Declaration of Performance

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