

## STEEL PLATES FROM HOT ROLLED COILS

### Grade: QStE690TM

#### High Strength Steel

Quality	<b>QStE690TM</b>
Norm	<b>SEW</b>
W. Nr.	-----
Rolling state	<b>TM</b> – Termo-mechanically rolled
Description	High yield strength steel for cold forming. Struts and frames for industrial vehicles, concrete pumps, machine arms, structures for bridges and industrial buildings and loading beds.
Applications	Cranes, earthmoving equipment, agricultural machineries, telescopic booms, truck trailers. Struts and frames for industrial vehicles, concrete pumps, machine arms, structures for bridges and industrial buildings and loading beds.

#### Standard coils' stock range

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.

	1500	2000
4	•	
5	•	
6	•	
8		•
10		•
12		•

#### Chemical composition According to SEW

Element	Al	B	C	Ceq	Cr	Cu	Mo	Mn	N
Min.	0,015								
Max		0,005	0,12				0,50	2,1	

  

Element	Ni	Nb	P	S	Si	Sn	Ti	V	Zr
Min.									
Max		0,09	0,025	0,015	0,60		0,22	0,20	

#### Mechanical properties According to SEW

Nominal Thickness (mm)	≤ 15
Yield Strength (MPa)	≥ 690
Nominal Thickness (mm)	≤ 15
Tensile Strength (MPa)	740-950
Nominal Thickness (mm)	<3
Total Elongation A80%	≥ 10
Total Elongation A5%	≥ 12

**Tolerances**

**Dimensional Tolerances**

UNI EN 10051

**Surface Status**

UNI EN 10163-2

**Equivalences**

W. Nr.	EN10149-2	ASTM ASME	England BS	France AFNOR
-	S700MC	A514	75F70	E690D

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