

**DIN-SEW083 StE275TM steel plate/sheet for Fine-grain structural steels,  
thermomechanically rolled steels**

DIN-SEW083 StE275TM steel plate/sheet, DIN-SEW083 StE275TM steel plate/sheet, under DIN standard, we can regard StE275TM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

DIN-SEW083 StE275TM is a technical delivery conditions for thermomechanical rolled weldable fine grain structural steels. S means the structural steel, M means the delivery condition. Capital letter L for the quality with specified minimum values of values of impact energy. The DIN-SEW083 StE275TM steel is equivalent to EN:S275M and UNI FeE275KGTM steel.

StE275TM SEW083 Number:1.8818	Comparision of steel grades	
	EN 10113-3	S275M
	UNI	Fe E 275 KGTM
	BS 4360	-
	ASTM	-

Chemical Composition of DIN StE275TM steel,by %

Grade	C max	Si max	Mn max	P max	S max	N max	AL max	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	CE V max
StE275TM	0.13	0.50	1.5	0.025	0.02	0.015	0.02	0.05	0.08	0.05	0.30	0.3	0.10	0.55	0.38

Mechanical Properties of DIN StE275TM steel

Temperature	-10	0	20
Notch impact test. Min. absorbed energy	43	47	55

Nominal thickness(mm)	to 16	16-40	40-63	63-80	80-100	100-120
ReH-Minimum yield strength(Mpa)	275	265	255	245	245	240

Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
Rm-Tensile strength(Mpa)	370-530	360-520	350-510	350-510	350-510
Nominal thickness(mm)	-				
A-Minimum elongation Lo=5.65√So(%)	24				

**Bebon steel — The most professional exporter on shipbuilding steel**

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