

co.,ltd

DIN-SEW083 StE355TM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

DIN-SEW083 StE355TM steel plate/sheet, DIN-SEW083 StE355TM steel plate/sheet, under DIN standard, we can regard StE355TM steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

DIN-SEW083 StE355TM 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 StE355TM steel is equivalent to EN S355M, NFA E355R and ASTM A572GrC steel grade.

StE355TM DIN SEW 083 Number:1.8823	Comparision of steel grades	
	EN10113-3	S355M
	NFA 36-201	E 355 R
	UNI 7382	Fe E 355 KGTM
	BS 4360	-
ASTM	A 572 Gr.C	

Chemical Composition

Grade	C max	Si max	Mn max	P max	S max	N max	AL min	Nb max	V max	Ti max	Cr max	Ni max	Mo max	Cu max	Ce min
StE355 TM	0.14 %	0.50 %	1.60 %	0.03 0%	0.02 5%	0.01 5%	0.02 %	0.05 %	0.10 %	0.05 %	0.30 %	0.50 %	0.10 %	0.55 %	0.39 %

Mechanical Properties

Grade	Nom. thick.e	Yield StrDIN _{gh} ReH	TDIN _{sile} StrDIN _{gth} ReH	Total Elongation A5	°C	Notch Impact DIN _{ergy} Longitud. transverse	
StE355 TM	≤16mm	≥355MPa	470-630 MPa		+20	≥55	≥31
	>16mm	≥345MPa			0	≥47	≥27
	≥3mm			≥22%	-10	≥43	≥24
					-20	≥40	≥20

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