



EN10113 S460M steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steels

EN10113 S460M steel plate/sheet,EN10113 S460M steel plate/sheet, under EN standard, we can regard S460M steel plate/sheet for Fine-grain structural steels, thermomechanically rolled steel.

EN10113 S460M 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 at temperature not lower than -20 degree.

S460M EN 10113-3 Number:1.8827	Comparision of steel grades	
	SEW 083	StE 460 TM
	NFA 36-201	E 460 R
	UNI 7382	Fe E 460 KGTM
	BS 4360	-
	ASTM	A 572 Gr.65

Chemical Composition of EN S460M steel

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
S460 M	0.16 %	0.60 %	1.70 %	0.03 %	0.02 5%	0.02 5%	0.02 %	0.05 %	0.12 %	0.05 %	0.30 %	0.80 %	0.20 %	0.55 %	0.48 %

Mechanical Properties of EN S460M 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-Minimun yield strength(Mpa)	460	440	430	410	400	385

Nominal thickness(mm)	to 40	40-63	63-80	80-100	100-120
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Bebon steel — The most professional exporter on shipbuilding steel

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Rm-Tensile strength(Mpa)	540-720	530-710	510-690	500-680	490-660
Nominal thickness(mm)	-				
A-Minimum elongation Lo=5,65√So(%)	17				

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