

EN10149 S460MC steel plate/sheet High yield strength for cold forming steels

EN10149 S460MC steel plate/sheet, EN10149 S460MC steel plate/sheet, under EN standard, we can regard S460MC steel plate/sheet as high yield strength steels for cold-forming steels.

EN10149 S460MC is mainly used as high yield strength steels for cold-forming steels. The EN10149 S460MC steel is equivalent to SEW092 QStE460TM, NFA E455D, UNIE AE440HC, ASTM Gr.65 and BS 50F45 steel grades.

S460MC EN 10149-2 Number:1.0982	Comparision of steel grades	
	SEW092	QStE 460TM
	UNE	AE440HC
	AFNOR	E455D
	ASTM	Gr.65
	BS	50F45

Chemical Composition of EN S460MC steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
S460M C	0.12	0.50	1.6	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of EN S460MC steel

Nominal thickness(mm)	-
ReH-Minimum yield strength(Mpa)	460

Nominal thickness(mm)	-
Rm-Tensile strength(Mpa)	520-670

Nominal thickness(mm)	From3
A-Minimum elongation Lo=5,65√So(%)	17

Nominal thickness(mm)	to3
A-Minimum elongation Lo=Lo=80mm(%)	14

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