

**EN10149 S500MC steel plate/sheet High yield strength for cold forming steels**

EN10149 S500MC steel plate/sheet, EN10149 S500MC steel plate/sheet, under EN standard, we can regard S500MC steel plate/sheet as high yield strength steels for cold-forming steels.

EN10149 S500MC is mainly used as high yield strength steels for cold-forming steels. The EN10149 S500MC steel is equivalent to SEW092 QStE500TM, NFA E490D, UNI FeE490TM and ASTM X70XLK steel grades.

S500MC EN 10149-2 Number:1.0984	Comparision of steel grades	
	SEW092	QStE 500TM
	NFA36-231	E490D
	UNI8890	FeE490TM
	ASTM	070XLK
	BS1449	-

Chemical Composition of EN S500MC steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
S500M C	0.12	0.50	1.7	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of EN S500MC steel

Nominal thickness(mm)	-
ReH-Minimum yield strength(Mpa)	500

Nominal thickness(mm)	-
Rm-Tensile strength(Mpa)	550-700

Nominal thickness(mm)	From3
A-Minimum elongation Lo=5,65√So(%)	14

Nominal thickness(mm)	to3
A-Minimum elongation Lo=Lo=80mm(%)	12

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