

EN10149 S420MC steel plate/sheet High yield strength for cold forming steels

EN10149 S420MC steel plate/sheet, EN10149 S420MC steel plate/sheet, under EN standard, we can regard S420MC steel plate/sheet as high yield strength steels for cold-forming steels.

EN10149 S420MC is mainly used as high yield strength steels for cold-forming steels.

The EN10149 S420MC steel is equivalent to SEW092 QStE420TM, NFA E420D, UNI FeE420TM, ASTM X60XLK and BS HR50F45 steel grades.

S420MC EN 10149-2 Number:1.0980	Comparision of steel grades	
	SEW092	QStE 420TM
	NFA36-231	E420D
	UNI8890	FeE420TM
	ASTM	060XLK
	BS1449	HR50F45

Chemical Composition of EN S420MC steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
S420M C	0.12	0.50	1.6	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of EN S420MC steel

Nominal thickness(mm)	-
ReH-Minimum yield strength(Mpa)	420

Nominal thickness(mm)	-
Rm-Tensile strength(Mpa)	480-620

Nominal thickness(mm)	From3
A-Minimum elongation Lo=5,65√So(%)	19

Nominal thickness(mm)	to3
A-Minimum elongation Lo=Lo=80mm(%)	16

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