

UNI8890 FeE420TM steel plate/sheet High yield strength for cold forming steels

UNI8890 FeE420TM steel plate/sheet, UNI8890 FeE420TM steel plate/sheet, under UNI standard, we can regard FeE420TM steel plate/sheet as high yield strength steels for cold-forming steels.

UNI8890 FeE420TM is mainly used as high yield strength steels for cold-forming steels. The UNI8890 FeE420TM steel is equivalent to SEW092 QStE420TM, NFA E420D, EN S420MC, ASTM X60XLK and BS HR50F45 steel grades.

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

Chemical Composition of FeE420TM steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
FeE420 TM	0.12	0.50	1.6	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of FeE420TM steel

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

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

Nominal thickness(mm)	From 3
A-Minimum elongation Lo=5,65√So(%)	19

Nominal thickness(mm)	to 3
A-Minimum elongation Lo=Lo=80mm(%)	16

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