

**NFA36-231 E490D steel plate/sheet High yield strength for cold forming steels**

NFA36-231 E490D steel plate/sheet, NFA36-231 E490D steel plate/sheet, under NFA standard, we can regard E490D steel plate/sheet as high yield strength steels for cold-forming steels.

NFA36-231 E490D is mainly used as high yield strength steels for cold-forming steels. The NFA36-231 E490D steel is equivalent to SEW092 QStE500TM, EN S500MC, UNI FeE490TM and ASTM X70XLK steel grades.

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

Chemical Composition of E490D steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
E490D	0.12	0.50	1.7	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of E490D steel

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

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

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

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

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