

SEW092 QStE690TM steel plate/sheet High yield strength for cold forming steels

SEW092 QStE690TM steel plate/sheet, EN10149 QStE690TM steel plate/sheet, under DIN standard, we can regard QStE690TM steel plate/sheet as high yield strength steels for cold-forming steels.

SEW092 QStE690TM is mainly used as high yield strength steels for cold-forming steels. The SEW092 QStE690TM steel is equivalent to EN S700MC, NFA E690D, ASTM A514 and BS 75F70 steel grades.

QStE690TM SEW092 Number:1.8974	Comparision of steel grades	
	EN 10149-2	S700MC
	NFA36-231	E690D
	UNI8890	-
	ASTM	A514
	BS1449	75F70

Chemical Composition of QStE690TM steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max	Mo max	B max
QStE690TM	0.12	0.6	2.1	0.025	0.015	0.015	0.09	0.2	0.22	0.5	0.005

Mechanical Properties of QStE690TM steel

Nominal thickness(mm)	-
ReH-Minimum yield strength(Mpa)	700

Nominal thickness(mm)	-
Rm-Tensile strength(Mpa)	750-950

Nominal thickness(mm)	From3
A-Minimum elongation Lo=5,65√So(%)	12

Nominal thickness(mm)	to3
A-Minimum elongation Lo=Lo=80mm(%)	10

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