BS1449 75F70 steel plate/sheet High yield strength for cold forming steels

BS1449 75F70 steel plate/sheet,EN10149 75F70 steel plate/sheet, under BS standard, we can regard 75F70 steel plate/sheet as high yield strength steels for cold-forming steels.

BS1449 75F70 is mainly used as high yield strength steels for cold-forming steels.The BS1449 75F70 steel is equivalent to DIN QStE690TM, NFA E690D, ASTM A514 and EN S700MC steel grades.

	Comparision of steel grades	
75F70	SEW092	QStE 690TM
BS1449	NFA36-231	E690D
Number:1.8974	UNI8890	-
	ASTM	A514
	EN 10149-2	S700MC

Chemical Composition of 75F70 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
75F70	0.12	0.6	2.1	0.025	0.015	0.015	0.09	0.2	0.22	0.5	0.005

Mechnical Properties of 75F70 steel

Nominal thickness(mm)	-
ReH-Minimun 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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