

AFNOR E455D steel plate/sheet High yield strength for cold forming steels

AFNOR E455D steel plate/sheet, AFNOR E455D steel plate/sheet, under AFNOR standard, we can regard E455D steel plate/sheet as high yield strength steels for cold-forming steels.

AFNOR E455D is mainly used as high yield strength steels for cold-forming steels. The AFNOR E455D steel is equivalent to SEW092 QStE460TM, UNE AEE440HC, ASTM Gr.65 and BS 50F45 steel grades.

E455D AFNOR Number:1.0982	Comparision of steel grades	
	SEW092	QStE 460TM
	UNE	AE440HC
	EN 10149-2	S460MC
	ASTM	Gr.65
	BS	50F45

Chemical Composition of E455D steel, by %

Grade	C max	Si max	Mn max	P max	S max	AL max	Nb max	V max	Ti max
E455D	0.12	0.50	1.6	0.025	0.015	0.015	0.09	0.2	0.15

Mechanical Properties of E455D steel

Nominal thickness(mm)	-
ReH-Minimum yield strength(Mpa)	460

Nominal thickness(mm)	-
Rm-Tensile strength(Mpa)	520-670

Nominal thickness(mm)	From 3
A-Minimum elongation Lo=5,65√So(%)	17

Nominal thickness(mm)	to 3
A-Minimum elongation Lo=Lo=80mm(%)	14

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Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax: 0086-371-86011881

MSN:bebonchina@hotmail.com

Skype: bebonchina

Web:http://www.shipbuilding-steel.com

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.