



DIN17102 StE355 steel plate/sheet for boilers and Pressure Vessels steels

DIN17102 StE355 steel plate/sheet,DIN17102 StE355 steel plate/sheet, under DIN standard, we can regard StE355 steel plate/sheet for boilers and Pressure Vessels steels.DIN17102 StE355 steel plate/sheet is for boilers and Pressure Vessels steels,it is a normalized steel plate and sheet which is mainly used for building pressure vessels and boilers and pipes for hot liquid.The followings are the chemical composition and the mechanical properties of DIN StE355 steel.

StE355 DIN17102 MATERIAL# 1.0562	Comparison of steel grades	
	UNI7382	FeE355KG
	EN 10028-3	P355N
	UNE36081	AE355KG
	BS1501	223Gr.490

Chemical analysis -% by mass*

Grades	C	Si	Mn	Ni
	max	max	max	max
StE355	0.09	0.5	1.05	0.9

Mechanical properties

Thickness	Yield Strength ReH[N/mm ²] transv.min	Tensile Strength Rm[N/mm ²]transv	Fracture Elongation[%] transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t >16mm	470	560	24	-

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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.