

Fine-grain structural steels, normalised rolled steel DIN 1614/2 StE285 steel plate

StE285 steel plate, under DIN 1614/2 standard StE285 steel plate, under DIN 1614/2 standard, we can regard StE285 steel plate as Fine-grain structural steels, normalised rolled steel
 StE285 steel plate is one mainly of Fine-grain structural steels, normalised rolled steel, StE285 steel plate is under DIN 1614/2 standard equivalent to DIN:StE285, which with a minimum impact energy of 20J at temperatures not lower than -20 degree and the tensile strength of StE285 is 370 to 510MPa

StE285 DIN1614/2 MATERIAL# 1.0490	Comparison of steel grades	
	UNE36081	AE285KG/AE285KW
	EN 10111	S275N
	NFA 36-207	-
	UN	Fe E 275KG N

Chemical analysis -% by mass*

Chemical elements	C max	Si max	Mn	P max	S max.	Cu max	Cr max	Ni max	V max	Nb max	Al min
%,by mass	0.18	0.40	0.50-1.50	0.030	0.025	0.55	0.30	0.30	0.05	0.05	0.02

Mechanical properties

thickness	Yield Strength ReH[N/mm2] transv.min.	TensileStrengthRm[N/mm2]transv.	Fracture Elongation[%]transv. min.	Notch Impact Energy1)Ch Vcomplete samplelongitud. min [J]
t ≤ 16mm t > 16mm	275 265			31J +20 KV
t < 3mm t ≥ 3mm		370-510		27J 0 KV
Up to 1.5mm 1.51-2.00mm 2.01-2.50mm 2.51-2.99mm ≥ 3mm			24	24J -10 KV 20J -20 KV -40 - -50 -

Bebon steel — The most professional exporter on shipbuilding steel

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.