



**JISG4051 S55C steel plate high carbon steel**

S55C steel plate,JISG4051 S55C steel plate, under JISG4051 standard, we can regard S55C steel plate as high carbon steel.

S55C steel plate is one mainly of high carbon steel,is treated high technical heat treatment and it helps you make Die Plate & Plastics Die Plate much easier with good quality.It is equal to EN C55,DIN17200 C55,BS970 070M55,SAE 1055 and so on.

The equivalent standards of S55C steel

S55C JIS G 4051 Number:1.0535	Comparision of steel grades	
	EN 10083-2	C 55
	DIN 17200	C 55
	NFA 33-101	AF70-C 55
	UNI 7846	C 55
	BS 970	070 M 55
	UNE 36011	C 55 k
	SAE J 403-AISI	1055

Chemical Composition of S55C steel

Grade	C(%)min-max	Si(%)min-max	Mn(%)min-max	P(%)max	S(%)max	Cr(%)min-max
S55C	0.52-0.60	0.15-0.35	0.60-0.90	0.025	0.025	0.20-0.40

Mechanical Properties of S55C steel

Grade	Condition	Yield Strength R° (Mpa)	Tensile Strength Rm (Mpa)	Elongation A5 (%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t 1.95mm≤t≤100mm	
								Rolled	Annealed
S55C	Rolled	500	825	18	61	805	Min.recommended Bending	3.0	1.0×t
	Annealed	350	550	30	57	845		×t	
	Water-que		2510						

**Bebon steel — The most professional exporter on shipbuilding steel**

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