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Henan BEBON international co.,ltd**JIS G 4051 S 58 C steelplate high carbon steel**

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S 58 C steel plate, JIS G 4051 S 58 C steel plate, under **JIS G 4051 S 58 C steel** standard, we can regard **S 58 C steelplate** as high carbon steel.

S 58 C steel plate is one mainly of high carbon steel, JIS G 4051 S 58 C steel plate is one of the higher carbon content (0.60%) steels. It is more difficult to fabricate than the lower carbon grades.

S58C JISG 4051 Number:1.0601	Comparision of steel grades	
	JIS G 4051	S 58 C
	EN10083	C 60
	NFA 33-101	-
	UNI 7846	-
	BS 970	070 M 60
	UNE 36011	-
	SAE J 403-AISI	1060

Chemical Composition of C60 steel

Grade	C(%)min-max	Si(%)min-max	Mn(%)min-max	P(%)max	S(%)max	Cr(%)min-max
S58C	0.57-0.65	0.15-0.35	0.60-0.90	0.025	0.025	0.20-0.40

Mechanical Properties of C60 steel

Grade	Condition	Yield Strength R ^o (Mpa)	Tensile Strength Rm (Mpa)	Elongation A5(%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t 1.95mm≤t≤10.0mm	
								Rolled	Annealed
S58C	Rolled Annealed Water-quenched Oil quenched	540 370	875 580 2670 2430	17 29	63 60	800 840	Min.recommended Bending radius (≤90°)	3.0 × t	1.0 × t

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