

SAE J 403-AISI 1060 steel plate high carbon steel

1060 steel plate, SAE J 403-AISI 1060 steel plate, under SAE J 403-AISI standard, we can regard 1060 steel plate as high carbon steel.

1060 steel plate is one mainly of high carbon steel, SAE J 403-AISI 1060 steel plate is one of the higher carbon content (0.60%) steels. It is more difficult to fabricate than the lower carbon grades.

1060 SAE J 403-AISI 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
1060	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 ^e (Mpa)	Tensile Strength R _m (Mpa)	Elongation A ₅ (%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t 1.95mm≤t≤10.0mm	
								Rolled	Annealed
1060	Rolled	540	875	17	63	800	Min.recommended Bending radius (≤90°)	3.0×t	1.0×t
	Annealed	370	580	29	60	840			
	Water-quenched		2670						
	Oil quenched		2430						

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