

EN 10083 C60 steel plate high carbon steel

C60 steel plate, [EN 10083 C60 steel plate](#), C60 high carbon steel plate and sheet, EN10083 steel plate, C60 carbon steel supplier/Chinese C60 steel supplier, C60 steel price,C60 steel manufacturer.

[C60 steel plate](#) is one mainly of high carbon steel,the application of EN 10083 C60 steel plate is equal to DIN17200 C60,JIS G 4051 S 58 C, SAE J 403-AISI 1060,BS970 070 M 60.

Comparison of steel grades

C60	JIS G 4051	S 58 C
EN 10083-2	DIN 17200	C 60
Number:1.0601	NFA 33-101	-
	UNI 7846	-
	BS 970	070 M 60
	UNE 36011	-
	SAE J 403-AISI	1060

Main chemical composition in EN10083-2 C60 steel : Carbon: from 0.57 to 0.65, Manganese from 0.60 to 0.90, Sulphur max 0.025, Phosphorus max 0.025, Silicon from 0.15 to 0.35, More detailed information, please refer to the flowing table:
Chemical Composition of C60 steel

Grade	C(%)min-max	Si(%)min-max	Mn(%)min-max	P(%)max	S(%)max	Cr(%)min-max
C60	0.57-0.65	0.15-0.35	0.60-0.90	0.025	0.025	0.20-0.40

[C60 high carbon steel](#) has the good grain and Mechanical properties. It's yield strength is between 350-500 MPa ,C60 tensile strength is from550MPa to 2510 MPa. More detailed information about EN10083-2 C60 steel Mechanical Properties , please refer to the following table:

Mechanical Properties of C60 steel

Grade	Condition	Yield Strength R°(Mpa)	Tensile Strength Rm (Mpa)	Elongation A5(%)	Hardness HRC	Quenching Temperature (°C)	Bend ability	Nominal Thickness,t	
								1.95mm≤t≤10.0mm	
C60	Rolled	500	825	18	61	805	Min.recommended Bending radius (≤90°)	3.0	1.0×t
	Annealed	350	550	30	57	845		×t	
	Water-quenched		2510						
	Oil quenched		2120						

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