

**EN 10083 C35 steel plate high carbon steel**

**C35 steel plate**, EN 10083 C35 steel plate, C35 high carbon steel plate and sheet, [EN10083 steel plate](#), C35 carbon steel supplier/Chinese C35 steel supplier, C35 steel price, C35 steel manufacturer.

C35 steel plate is one mainly of high carbon steel, the application of EN 10083 C35 steel plate is equal to JIS G4051 S35C, DIN C35, UNI C35, NFA AF55-C35, UNE36011 C35K and AISI 1035.

C35 EN 10083-2 Number:1.0501	Comparison of steel grades	
	JIS G 4051	S 35 C
	DIN 17200	C 35
	NFA 33-101	AF55-C 35
	UNI 7846	C 35
	BS 970	070 M 36
	UNE 36011	C 35 k
	SAE J 403-AISI	1035

Main chemical composition in EN10083-2 C35 steel : Carbon: from 0.32 to 0.39 , Manganese from 0.50 to 0.80, Sulphur max 0.025, Phosphorus max 0.025, Silicon from 0.15 to 0.35, More detailed information, please refer to the flowing table:  
C35 steel Chemical Composition

Grade	C(%)min-max	Si(%)min-max	Mn(%)min-max	P(%)max	S(%)max	Cr(%)min-max
C35	0.32-0.39	0.15-0.35	0.50-0.80	0.025	0.025	0.20-0.40

C35 high carbon steel has the good grain and Mechanical properties. It's yield strength is between 310-440 MPa ,C35 tensile strength is from 480MPa to 1690MPa. More detailed information about EN10083-2 C35 steel Mechanical Properties , please refer to the following table:

**C35 steel Mechanical Properties**

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	
								Rolled	Annealed
C35	Rolled Annealed Water- quenched Oil quenched	440 310	700 480 1845 1690	18 30	53 50	840 880	Min.recommended Bending radius (≤90°)	2.0 ×t	1.0×t

ICE steel is the professional Chinese steel exporter, we can supply all kinds of steel products like EN 10083-2 C35 steel plate, steel sheet, metal sheet, flanges, steel circle, color coated steel plate, hot plate, steel coils, etc. If our products EN 10083-2 C35 steels are helpful to you, please be free to contact, we promise to give you the most competitive prices and best services.

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