

DIN 17200 C35 steel plate high carbon steel

C35 steel plate, DIN 17200 C35 steel plate, under DIN 17200 standard, we can regard C35 steel plate as high carbon steel.

C35 steel plate is one mainly of high carbon steel, the application of DIN 17200 C35 steel plate is equal to JIS G4051 S35C, EN 10083 C35, UNI C35, NFA AF55-C35, UNE36011 C35K and AISI 1035.

C35 DIN 17200 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

Chemical Composition of C35 steel

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

Mechanical Properties of C35 steel

Grade	Condition	Yield Strength R ^o (Mpa)	Tensile Strength R _m (Mpa)	Elongation A5(%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t 1.95mm≤t≤10 .0mm	
								Rolled	Annealed
C35	Rolled	440	700	18	53	840	Min.recommended Bending radius (≤90°)	2.0	1.0×t
	Annealed	310	480	30	50	880			
	Water-quenched		1845						
	Oil quenched		1690						

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E-mail:bb@bebonchina.com

Tel:0086-371-86151527

MSN:bebonchina@hotmail.com

Fax: 0086-371-86011881

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.

Skype: bebonchina

www.bebonchina.com
www.shipbuilding-steel.com
www.steel-plate-sheet.com



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E-mail:bb@bebonchina.com

Tel:0086-371-86151527

MSN:bebonchina@hotmail.com

Fax: 0086-371-86011881

Oficina Dir: 2801 B# International enterprise center Zhengzhou city in China.

Skype: bebonchina

www.bebonchina.com

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