

**NFA 33-101 AF55-C35 steel plate high carbon steel**

AF55-C35 steel plate, NFA 33-101 AF55-C35 steel plate, under NFA 33-101 standard, we can regard AF55-C35 steel plate as high carbon steel.

AF55-C35 steel plate is one mainly of high carbon steel, the application of NFA 33-101 AF55-C35 steel plate is equal to JIS G4051 S35C, EN 10083 C35, UNI C35, EN0083 C35, UNE36011 C35K and AISI 1035.

AF55-C35 NFA 33-101 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
AF55-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° (Mpa)	Tensile Strength Rm (Mpa)	Elongation A5(%)	Hardness HRC	Quenching Temperature (°C)	Bendability	Nominal Thickness,t 1.95mm≤t≤10.0mm	
								Rolled	Annealed
AF55-C35	Rolled Annealed Water-	440 310	700 480 1845	18 30	53 50	840 880	Min.recommended Bending	2.0 ×t	1.0×t

**Bebon steel — The most professional exporter on shipbuilding steel**

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	quenched Oil quenched		1690				radius ( $\leq 90^\circ$ )		
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