

SAE J 403-AISI 1035 steel plate high carbon steel

1035 steel plate, SAE J 403-AISI 1035 steel plate, under SAE J 403-AISI standard, we can regard 1035 steel plate as high carbon steel.

1035 steel plate is one mainly of high carbon steel, SAE J 403-AISI 1035 steel plate is at the option of the manufacturer the elements aluminium, titanium, vanadium and niobium may be added singly or in combination for grain size control purposes. Elements not quoted in table shall not be added to the steel without the agreement of the purchaser, except for the purpose of finishing the heat. Mechanical properties in the normalized and normalized and tempered conditions.

1035 SAE J 403-AISI Number:1.0501	Comparision 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
	EN 10083-2	C 35
	SAE J 403-AISI	1035

Chemical Composition of C35K

Grade	C(%)min-max	Si(%)min-max	Mn(%)min-max	P(%)max	S(%)max	Cr(%)min-max
1035	0.32-0.39	0.15-0.35	0.50-0.80	0.025	0.025	0.20-0.40

Mechanical Properties of C35K

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≤10.0 mm	
								Rolled	Annealed
1035	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

Bebon steel — The most professional exporter on shipbuilding steel

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