

ASTM A537 CL1 steel plate/sheet for Weldable normalized fine grained pressure vessel steels

ASTM A537 CL1 steel plate/sheet, ASTM A537 CL1 steel plate/sheet, under ASTM standard, we can regard A537 CL1 steel plate/sheet for simple pressure vessels steel.

A 537 Class 1 carbon steel plates are engineered to be used in pressure vessel applications. A537 Class 1 steel plates shall be normalized in all of thickness. A 537 steel material usual be serviced the Gas, Petrochemical and Oil industry. The material of ASTM A537 Class 1 is a normalised steel which is heat treated and as a consequence displays greater yield and tensile strength than the more standard ASTM A516 grades. The steel is ideal for use in pressurised service both in boilers and pressure vessels and Masteel UK Limited supplies A537 Class 1 plates to the world's leading fabricators who in turn serve the Oil, Gas and Petrochemical industry.

Grade	Thickness (mm)	Chemical composition %.								
		C. max	Si	Mn	P. max	S. max	Cu. max	Ni. max	Cr. max	Mo. max
A537CL 1	6.00-38.10	0.24	0.15-0.50	0.70-1.35	0.035	0.035	0.35	0.25	0.25	0.08
	38.11-50.80			1.00-1.60						

Mechanical properties of A537 Class 1

Grade	Tensile Test			
	Yield Strength Ksi(N/mm ²)	Tensile Strength Ksi(N/mm ²)	Elongation	
			Test piece in(mm)	%min
A537 Class 1	50(345)min	70-90 (485-620)	GL=8(200)	18
			GL=2(50)	22

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Tel:0086-371-86151527

E-mail:bb@bebonchina.com

Fax:0086-371-86011881

MSN:bebonchina@hotmail.com

Skype:bebonchina

 Web:<http://www.shipbuilding-steel.com> <http://www.bebonchina.com>

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