



## Steel plate for for Boiler Pressure Vessel DIN 17155 19 Mn 6

19 Mn 6 steel plate, DIN 17155 19 Mn 6 steel plates is a kind of material for boiler and pressure vessel steel. DIN 17155 19 Mn 6 steel plates is characterised by a minimum yield strength of 280-355 MPa and by good weldability, so 19 Mn 6 steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids. the following are DIN 17155 19 Mn 6 steel plate's Chemical composition and mechanical properties.

Chemical analysis -% by mass\* (max)

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
19 Mn 6	0.10-0.22	0.10-1.70	0.015	0.012	0.30	0.020	0.03	0.60	0.025	0.020	0.30	0.08	0.30	0.02

Mechanical properties

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
19 Mn 6	Normalized	≤16	355	510-650	20	27	34	40
		16>to≤40	345	510-650	20	27	34	40
		40>to≤60	335	460-580	20	27	34	40
		60>to≤100	315	490-630	20	27	34	40
		100>to≤150	295	480-630	20	27	34	40
		150>to≤250	280	470-630	20	27	34	40

### **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](http://www.bebonchina.com)

[www.shipbuilding-steel.com](http://www.shipbuilding-steel.com)

[www.steel-plate-sheet.com](http://www.steel-plate-sheet.com)