

Steel plate for for Boiler Pressure Vessel UNI5859 Fe 460-1-KW steel

Fe 460-1-KW steel plate, UNI5859 Fe 460-1-KW steel plates is a kind of material for boiler and pressure vessel steel. UNI5859Fe 460-1-KW steel plates is characterized by a minimum yield strength of 220 - 295 MPa and by good weldability, so Fe 460-1-KW steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids. the following are UNI5859 Fe 460-1-KW steel plate's Chemical composition and mechanical properties.

If you are looking for Chinese Fe 460-1-KW steel supplier, if you want to know Fe 460-1-KW steel price, please be free to contact us.

Chemical analysis -% by mass* (max) of Fe 460-1-KW steel

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
Fe 460-1-KW	0.08 -0.2	0.90- 1.50	0.015	0.012	0.30	0.020	0.03	0.40	0.025	0.020	0.30	0.08	0.30	0.02

Mechanical properties of Fe 460-1-KW steel

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
Fe 460-1-KW	Normalized	≤16	295	460-580	21	27	34	40
		16>to≤40	290	460-580	21	27	34	40
		40>to≤60	285	460-580	21	27	34	40
		60>to≤100	260	460-580	21	27	34	40
		100>to≤150	235	440-570	21	27	34	40
		150>to≤250	220	430-570	21	27	34	40

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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

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