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Henan BEBON international co.,ltd**Steel plate for for Boiler Pressure Vessel DIN17165 19 MN 8steel**

19 MN 8 steel plate, DIN17165 19 MN 8steel plates is a kind of material for boiler and pressure vessel steel. DIN17165 19 MN 8 steel plates is characterized by a minimum yield strength of 280-355 MPa and by good weldability, so 19 MN 8 steel is mainly used to for manufacturing boilers, pressure vessels and pipes transporting hot liquids. the following are DIN17165 19 MN 8steel plate's Chemical composition and mechanical properties.

If you are looking for Chinese 19 MN 8 steel supplier, if you want to know 19 MN 8 steel price, please be free to contact us.

Chemical analysis -% by mass* (max) of 19 MN 8steel

Grade	C. %	Mn.%	S.	N	Cu	Nb	Ti.	Si.	P.	AL	Cr.	Mo.	Ni	Vi
19 MN 8	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 of 19 MN 8steel

Grade	Type	Thickness mm	Yield strength Mpa(min)	Tensile Strength MPa	Elongation % (min)	Impact Energy (KVJ) (min)		
						-20°	0°	+20
19 MN 8	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

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