



JIS 3103 450M steel plate/sheet for boiler steels

450M steel plate/sheet, JIS 3103 450M steel plate/sheet, under JIS 3103 standard, we can regard 450M steel plate/sheet for boiler steels.

450M steel plate/sheet is one mainly of Steel for boiler steels. JIS 3103 450M steel is mainly used for Petroleum, Chemical Factory and the Boilers domains. They also are made the Reactor, Heat Exchanger, Separator, Spherical Tank, the Tank of oil gas, Nuclear reactor pressure shell, High-pressure water pipe, Turbin shell and other equipments equivalent to DIN17155 15Mo3 and UNI5869 15Mo3, 15D3 (NFA 36205) and ASTM A204Gr.B.

450M JIS 3103	Comparision of steel grades	
	AFNOR 36206	18 MD 4.05
	MNC830E	22.16.04
	JIS 3103	450M
	BS 1501 part 2	271
	ASTM	A202 gr. A,B

Chemical Composition of 450M steel

Grade	C. max	Mn.	S.	N	Cu	Si.	P.	Cr.	Ni.	Mo.
450M	0.12- 0.2	0.40- 0.90	0.01	0.012	0.30	0.35	0.025	0.30	0.30	0.25- 0.35

Merchanical Propertites of EN 450M steel

Grade	Tensile Strength (Mpa)	Yield Strength (Mpa)	Elongation in 100-150 mm(%)	Elongation in 16 mm(%)	Max Thickness (mm)
450M	440-590	220-275	19	24	250

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