

ASTM A192 and ASME SA192 American Standard (Seamless Carbon Steel Boiler Pipe for High Pressure Service)

Standard:

ASTM A192/A192M/ASME SA192/SA-192M

Application:

It is applied to steel pipe of seamless carbon steel boiler and superheater with the minimum wall thickness under high pressure.

Grades of Main Steel Pipe:

Mechanical Properties

Standard	Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)
ASTM A192/ASME SA192	A192/SA192	325	180	35

Chemical Composition

Standard	Grade	Chemical Composition Limits, %								
		C	Si	Mn	P	S	Cr	Mo	Cu	Ni
ASTM A192/ASME SA192	A192 / SA192	0.06~ 0.18	0.25	0.27~ 0.63	0.035	0.035?	/	/	/	/

Remarks

HR: hot rolled	CW: cold worked	SR: stress relieved
A: annealed	N: normalized	HF