

ASTM A106 American Standard (High Temperature Seamless Carbon Steel Nominal Pipe)

Standard:

ASTM A106/ASTM SA106

Application:

High temperature seamless carbon steel nominal steel is generally applied to pipelines under high temperature and pressure. It differs greatly with GB/8163-2008.

Grades of Main Steel Pipes:

A, B, C, etc.

Other grades of steel pipes are provided upon negotiations.

Mechanical Properties

Standard	Grade	Tensile Strength (MPa)	Yield Strength (MPa)
ASTM A106 ASTM SA106	A	≥330	≥205
	B	≥415	≥240
	C	≥485	≥275

Chemical Composition

Standard	Grade	Chemical Composition Limits, %									
		C	Si	Mn	P	S	Cr	Mo	Cu	Ni	V
ASTM A106	A	≤0.25	≥0.10	0.27~0.93	≤0.035	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08
	B	≤0.30	≥0.10	0.29~1.06	≤0.035	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08
ASTM SA106	C	≤0.35	≥0.10	0.29~1.06	≤0.035	≤0.035	≤0.40	≤0.15	≤0.40	≤0.40	≤0.08

Remarks

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