

ASTM A53 American Standard (Non-plating, Hot-dipped, Galvanized Welding and Seamless Nominal Steel Pipe)

Standards:

ASTM A53 / A53M / ASME SA-53 / SA-53M

Application:

It is mainly applied to stressed and pressure parts and pipelines of steam, water, gas and air for general services.

Main Steel Pipe Grades:

Grade A and B, Other grades of steel pipe are provided based on negotiations.

Mechanical Properties

Standard	Grade	Tensile strength (MPa)	Yield strength (MPa)
ASTM A53/ ASMS SA53	A	≥330	≥205
	B	≥415	≥240

Chemical Composition

Standard	Grade	Chemical Composition Limits, %									
		C	Si	Mn	P	S	Cu	Ni	Mo	Cr	V
ASTM A53/ ASMS SA53	A	≤0.25	/	≤0.95	≤0.05	≤0.06	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08
	B	≤0.30	/	≤1.20	≤0.05	≤0.06	≤0.40	≤0.40	≤0.15	≤0.40	≤0.08

Remarks

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