

JIS G3454, JIS G3455, JIS G3456 Japanese Standard (Carbon Steel Tube for Pressure Pipefitting, High Pressure Fitting, and High Temperature Pipefitting)

Standard:

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Application:

JIS G3454 is suitable to be used in carbon steel tube for pressure pipefittings under 350°C;

JIS G3455 is suitable to be used in carbon steel tube of high working pressure under 350°C;

JIS G3456 is suitable to be used in carbon steel tube for pipefittings over 350°C.

Grades of Main Steel Pipe:

STPG370, STS370, STPT370

Chemical Composition & Mechanical Properties

Grade	Chemical Composition (%)					Mechanical Properties		
	C	Si	Mn	P	S	Tensile Strength (Mpa)	Yield Strength (Mpa)	Elongation (%)
STPG 370	≤0.25	≤0.35	0.30~ 0.90	≤0.040	≤0.040	≥370	≥215	30
STS 370	≤0.25	0.10~ 0.35	0.30~ 1.10	≤0.035	≤0.035	≥370	≥215	30
STPT 370	≤0.25	0.10~ 0.35	0.30~ 0.90	≤0.035	≤0.035	≥370	≥215	30

Remarks

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