

JIS G3429 Japanese Standard (High-pressure Vessel and Gas Bottle Pipe)

Standard:

JIS G3429

Application:

It is applied to high-pressure vessel as seamless steel pipe

Grades of Main Steel Pipe:

STH11, STH12, STH21, STH22, STH31

Chemical Composition

Standard	Steel Grade	Chemical Composition (%)							
		C	Si	Mn	P max	S max	Ni	Cr	Mo
JIS G3429	STH11	≤0.50	0.10-0.35	≤1.80	0.035	0.035	/	/	/
	STH12	0.30-0.41	0.10-0.35	1.35-1.70	0.030	0.030	/	/	/
	STH21	0.25-0.35	0.15-0.35	0.40-0.90	0.030	0.030	≤0.25	0.80-1.20	0.15-0.30
	STH22	0.33-0.38	0.15-0.35	0.40-0.90	0.030	0.030	≤0.25	0.80-1.20	0.15-0.30

Remarks

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