

JIS G3461 and JIS G3462 Japanese Standard (Steel Pipe for Boiler and Heat Exchanger)

Standard:

JIS G3461 Japanese Industrial Standard

JIS G3462 Japanese Industrial Standard

Application:

It is applied to boiler water pipe, flue pipe, superheater pipe and air preheating pipe.

Grades of Main Steel Pipe:

STB340, STB410, STBA22, STBA23, etc.

Other grades of steel pipe are provided based on negotiations.

Mechanical Properties:

Standard	Grade	Tensile strength (MPa)	Yield strength (MPa)	Elongation (%)
JIS G3461	STB340	340	175	35
	STB410	410	255	25
JIS G3462	STBA22	415	210	30
	STBA23	415	210	30

Chemical Composition

Standard	Grade	Chemical Composition limits %									
		C	Si	Mn	P	S	Cr	Mo	Cu	Ni	V
JIS G3461	STB340	0.18	0.3	0.30~0.60	0.035	0.035	/	/	/	/	/
	STB410	0.32	0.35	0.30~0.80	0.035	0.035	/	/	/	/	/
JIS G3462	STBA22	0.15	0.50	0.30~0.60	0.035	0.035	0.80~1.25	0.45~0.65	/	/	/
	STBA23	0.15	0.50~1.00	0.30~0.60	0.030	0.030	1.00~1.50	0.45~0.65	/	/	/

Remarks

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