

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 ;

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

JIS G3456 is suitable to be used in carbon steel tube for pipefittings over: 350

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 |