

## Carbon Steel Pipes for Pressure Service

at an approximate maximum temperature of 350°C - JIS G3454

## Carbon Steel Pipes for High Pressure Service

at an approximate maximum temperature of 350°C - JIS G3455

## Carbon Steel Pipes for High Temperature Service

at a temperature over 350°C - JIS G3456

Application: construction of boilers, pipelines and equipments for high temperature and pressure services.

Mechanical Properties				
Standard	Grade	Yield Strength (Mpa)	Tensile Strength (Mpa)	Elongation (%)
G3454	STPG370	≥ 216	≥ 370	≥ 30
	STPG410	≥ 245	≥ 410	≥ 25
G3455	STS370	≥ 216	≥ 370	≥ 30
	STS410	≥ 245	≥ 410	≥ 25
	STS480	≥ 275	≥ 480	≥ 25
G3456	STPT370	≥ 216	≥ 370	≥ 30
	STPT410	≥ 245	≥ 410	≥ 25
	STPT480	≥ 275	≥ 480	≥ 25

Chemical Compositions(%)						
Standard	Grade	C	Si	Mn	P	S
G3454	STPG370	≤ 0.25	≤ 0.35	0.30-0.90	≤ 0.040	≤ 0.040
	STPG410	≤ 0.30	≤ 0.35	0.30-1.00	≤ 0.040	≤ 0.040
G3455	STS370	≤ 0.25	0.10-0.35	0.30-1.10	≤ 0.035	≤ 0.035
	STS410	≤ 0.30	0.10-0.35	0.30-1.40	≤ 0.035	≤ 0.035
	STS480	≤ 0.33	0.10-0.35	0.30-1.50	≤ 0.035	≤ 0.035
G3456	STPT370	≤ 0.25	0.10-0.35	0.30-0.90	≤ 0.035	≤ 0.035
	STPT410	≤ 0.30	0.10-0.35	0.30-1.00	≤ 0.035	≤ 0.035
	STPT480	≤ 0.33	0.10-0.35	0.30-1.00	≤ 0.035	≤ 0.035

Size:

- Outer Dimensions.: 19.05 mm ~ 114.3 mm
- Wall Thickness: 2.0 mm ~ 14 mm
- Length: max 16 meters

Protection:

Pipes are supplied:

- Black and bear
- External varnished with black or clear lacquer

Upon request, pipes ends are protected by plastic caps

Marking:

Pipes are supplied with marking according to standard and customer request.

Marking is paint on the ends of pipes. The same data, as well as additional information per customer's request, is indicated on the bundle's tags.

Delivery:

Pipes are supplied in hexahedral bundles or round bundles tied with steel strip.

Weight of bundle - up to 5000 kg upon request of customer.

Each bundle is furnished with three tags.