


Material		Carbon Steel Tubes for Pressure Piping (STPG370S) JIS Standard Number G3454									
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)									
Shape		 Double screw									
Length Diameter		Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm	250mm	300mm
6A	1/8B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
8A	1/4B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
10A	3/8B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
15A	1/2B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
20A	3/4B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
25A	1B	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
32A	1 1/4B	OpenPrice BTO		OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
40A	1 1/2B	OpenPrice BTO		OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
50A	2B	OpenPrice BTO		OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO	OpenPrice BTO
65A	2 1/2B										
80A	3B										
100A	4B										

※ Prices in parentheses are for large boxes and small boxes.

▼ Material Standards

Carbon steel pipe for pressure lines (STPG370S)
JIS standard number G3454

▼ Material Characteristics

Carbon steel pipes used for pressure piping at 350 °C or lower (water pressure test pressure 12Mpa)
Used in applications where relatively high pressure (10 MPa (100 kgf/cm²) or lower) fluids such as water, air, steam, oil, and gas are flowing. The operating temperature range is -15 to 350°C.

▼ Main applications

Piping for line pipes used in oil refining, petrochemical and chemical industries to transport equipment and facilities between them. Marine piping, high-pressure gas piping, boiler piping, etc.

▼ Screw Standards

This is an external threaded pipe fitting that requires a tapered male thread [symbol: R(PT)] for pipes (compliant with JIS B0203). Suitable for joining internal threaded pipe fittings, other pipe material components and fluid equipment, mainly for sealing purposes. Suitable for post-processing such as external coating, electroplating, welding and bending.

▼ Chemical Composition

Type	Symbol	Chemical composition (%)				
		C	Si	Mn	P	S
Carbon steel pipe for pressure piping	STPG370	0.25 or less	0.35 or less	0.30 to 0.90	0.040 or less	0.040 or less

▼ Inspection of Screws

All inspections of the screws are performed using tapered thread gauges specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS standard). We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.

▼ Standard hydraulic test characteristics of steel pipes (JIS)

12MPa(approx. 120kgf/cm²)

▼ Combining methods

When tightening, after tightening by hand, it is necessary to use a tool such as a pipe wrench to apply torque. However, even if the screws are tightened firmly, a space will be left between the top of the mountain and the bottom of the valley, and it will not be completely airtight. Therefore, it is necessary to wrap the thread with sealing tape (tape type gap-filling material) or apply liquid sealing material to the thread before assembly.) In order to ensure airtightness, the sealing tape should be wrapped around the male threads (two to three times) and the sealant should be applied to the female threads as well.