



Material		Carbon Steel Pipes (SGP) Equivalent to JIS Standard Number G3452 [White type (with zinc plating), Black type (without plating)]															
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)															
Shape		 White								 Black							
Length Diameter		Short nipple	50mm	65mm	75mm	85mm	100mm	110mm	125mm	135mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm
						90mm		115mm		140mm							
6A	1/8B	\$1.03 4000 (1000×4)	\$1.11 1280 (320×4)	\$1.27 960 (240×4)	\$1.5 800 (200×4)	OpenPrice BTO	\$1.84 640 (160×4)	OpenPrice BTO	\$2.28 480 (120×4)	OpenPrice BTO	\$2.84 480 (120×4)	OpenPrice BTO	\$4.04 240 (60×4)	OpenPrice BTO	\$4.85 200 (100×2)	OpenPrice BTO	\$5.82 160
8A	1/4B	\$1.03 2000 (500×4)	\$1.11 960 (240×4)	\$1.27 720 (180×4)	\$1.5 560 (140×4)	OpenPrice BTO	\$1.84 400 (100×4)	OpenPrice BTO	\$2.28 320 (80×4)	OpenPrice BTO	\$2.84 320 (80×4)	OpenPrice BTO	\$4.04 240 (60×4)	OpenPrice BTO	\$4.85 200 (100×2)	OpenPrice BTO	\$5.82 160
10A	3/8B	\$1.03 1200 (300×4)	\$1.11 640 (160×4)	\$1.27 480 (120×4)	\$1.5 400 (100×4)	OpenPrice BTO	\$1.84 320 (80×4)	OpenPrice BTO	\$2.28 240 (60×4)	OpenPrice BTO	\$2.84 240 (60×4)	OpenPrice BTO	\$4.04 180 (45×4)	OpenPrice BTO	\$4.85 150 (75×2)	OpenPrice BTO	\$5.82 130
15A	1/2B	\$1.03 600 (150×4)	\$1.11 400 (100×4)	\$1.27 320 (80×4)	\$1.5 280 (70×4)	OpenPrice BTO	\$1.84 160 (40×4)	OpenPrice BTO	\$2.28 160 (40×4)	OpenPrice BTO	\$2.84 120 (30×4)	OpenPrice BTO	\$4.04 120 (30×4)	OpenPrice BTO	\$4.85 50	OpenPrice BTO	\$5.82 50
20A	3/4B	\$1.11 400 (100×4)	\$1.27 280 (70×4)	\$1.79 200 (50×4)	\$1.84 160 (40×4)	OpenPrice BTO	\$2.53 120 (30×4)	OpenPrice BTO	\$3.05 100 (25×4)	OpenPrice BTO	\$3.46 80 (20×4)	OpenPrice BTO	\$5.15 80 (20×4)	OpenPrice BTO	\$6.05 50	OpenPrice BTO	\$7.25 50
25A	1B	\$1.55 200 (100×2)	\$1.79 200 (100×2)	\$2.07 140 (70×2)	\$2.53 120 (60×2)	OpenPrice BTO	\$3.24 90 (45×2)	OpenPrice BTO	\$3.91 80 (40×2)	OpenPrice BTO	\$4.62 80 (40×2)	OpenPrice BTO	\$7.55 60 (30×2)	OpenPrice BTO	\$8.96 30	OpenPrice BTO	\$10.35 30
32A	1 1/4B	\$2.53 120 (60×2)		\$3.05 100 (50×2)	\$3.27 80 (40×2)	OpenPrice BTO	\$4.23 70 (35×2)	OpenPrice BTO	\$5.15 70 (35×2)	OpenPrice BTO	\$6.05 60 (30×2)	OpenPrice BTO	\$9.87 40	OpenPrice BTO	\$11.35 35	OpenPrice BTO	\$13.49 30
40A	1 1/2B	\$2.88 100 (50×2)		\$3.52 70 (35×2)	\$4.04 60 (30×2)	OpenPrice BTO	\$5.06 50 (25×2)	OpenPrice BTO	\$6.21 50 (25×2)	OpenPrice BTO	\$7.46 40 (20×2)	OpenPrice BTO	\$11.18 36	OpenPrice BTO	\$14.12 28	OpenPrice BTO	\$15.51 20
50A	2B	\$4.33 64 (32×2)		\$4.72 60 (30×2)	\$5.45 48 (24×2)	OpenPrice BTO	\$6.85 40 (20×2)	OpenPrice BTO	\$8.44 30 (15×2)	OpenPrice BTO	\$10.12 30 (15×2)	OpenPrice BTO	\$15.71 20	OpenPrice BTO	\$18.33 18	OpenPrice BTO	\$20.75 15
65A	2 1/2B	\$10.17 36				OpenPrice BTO	\$14.98 24	OpenPrice BTO	\$16.61 24	OpenPrice BTO	\$19.38 18	OpenPrice BTO	\$21.64 12	OpenPrice BTO	\$30.48 9	OpenPrice BTO	\$33.81 9
80A	3B	\$12.79 24					\$16.11 16	OpenPrice BTO	\$19.38 16	OpenPrice BTO	\$21.64 12	OpenPrice BTO	\$25.44 9	OpenPrice BTO	\$36.53 6	OpenPrice BTO	\$40.55 6
100A	4B	\$19.17 10					\$21.64 10	OpenPrice BTO	\$24.35 10	OpenPrice BTO	\$28.24 8	OpenPrice BTO	\$36.53 5	OpenPrice BTO	\$47.05 4	OpenPrice BTO	\$53.39 4
125A	5B	\$28.41 4							\$32.73 4	OpenPrice BTO	\$37.76 4	OpenPrice BTO	\$48.65 3	OpenPrice BTO	\$65.49 2	OpenPrice BTO	\$74.84 2
150A	6B	\$38.28 4							\$41.85 4	OpenPrice BTO	\$48.65 2	OpenPrice BTO	\$63.45 2	OpenPrice BTO	\$82.61 2	OpenPrice BTO	\$96.48 1

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

▼ Summary

This is a pipe fitting of the external thread type that requires a tapered male thread (nominal: R or PT).

▼ Main applications

Indoor fire hydrant piping, indoor sprinkler system piping and foam extinguishing piping, general gas piping, general air piping or general air conditioning piping to distribute pressurized air from compressors, etc. to various facilities, piping for the flow of fluid to various machines and equipment or covered piping to protect structural parts, wiring, etc., and structural members such as handrails and plumbing.

▼ Recommended Pressure

Airtightness: 0.5MPa (approx. 5kgf/cm²) or less

Pressure resistance: Less than 2.5MPa (approx. 25kgf/cm²)

▼ Chemical Composition

Type	Symbol	Chemical composition (%)	
		P	S
Carbon steel pipe for piping	SGP	0.040 or less	0.040 or less

▼ Inspection of Screws

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

▼ Features of tapered pipe screws (JIS B 0203)

These screws are mainly used to ensure tightness in the threaded parts of pipes, pipe components and fluid equipment. The screw is shaped like a figure of eight with an angle of about 3.6 degrees from the tip of the screw to the end of the screw, with the tip of the screw being the thinnest and the end of the screw being the thickest. As you tighten the screw, the threads gradually intersect with those of the mating threads, and when the final torque is applied, the threads interlock with each other to close the gap between the inside and outside of the pipe, ensuring an airtight seal. Unlike a straight threaded screw, once the screw is torqued down, the threads are worn out the next time it is loosened. It is not suitable for use in areas where the screw is re-tightened many times.