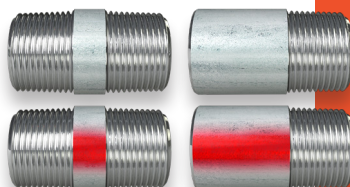


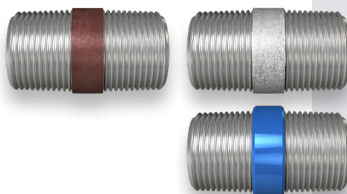
For agents



Steel Pipe Nipple



Stainless Pipe Nipple



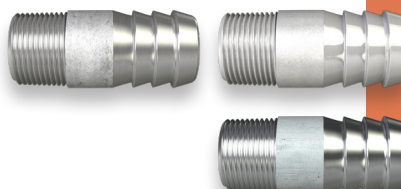
Rigid PVC lined steel pipe for water supply  
SGP-VA/VB/VD Standard Nipple



Pressure Pipe Nipple



Steel Standard Socket  
Stainless Standard Socket



Standard Hose Nipple



## Standard products General catalog

### Standard price list

- November 2023 Correction -

Prices shown do not include consumption tax, shipping charges, or end material management fees. The contents of this catalog are subject to change without notice.

Suitable for mechanical piping



**NIPPLEX**

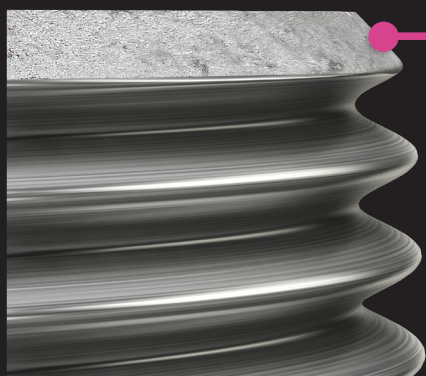
FINE NIPPLE

White standard nipple Three special features

Special of

**1**

## No wrinkles



Outside  
chamfer

In the conventional product, the grooved portion of the thread was sometimes warped or twisted, making it difficult to mate with the joint. For this product, a second process was added after the cutting process and a large 45-degree beveling process was performed. This process has enabled smooth screwing in.

Special of

**2**

## No burr



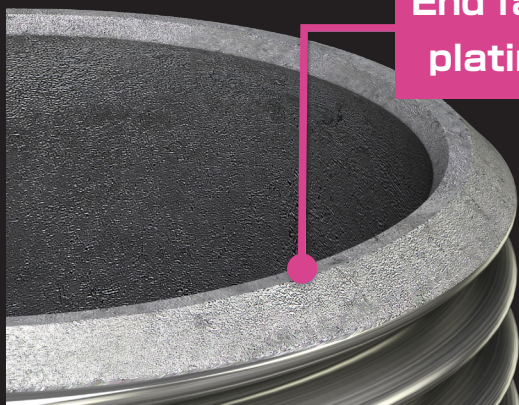
Inner  
chamfer

The traditional method of cutting by pushing with a rotary cutter produces sharp internal burrs. The burr must be removed with a reamer, which results in a "deep and rough" abrasion on the inner surface. This product addresses this problem by minimizing internal burrs by simply cutting with a metal saw, followed by chamfering on a lathe to achieve a "beautiful inner surface" without burrs.

Special of

**3**

## No Rust

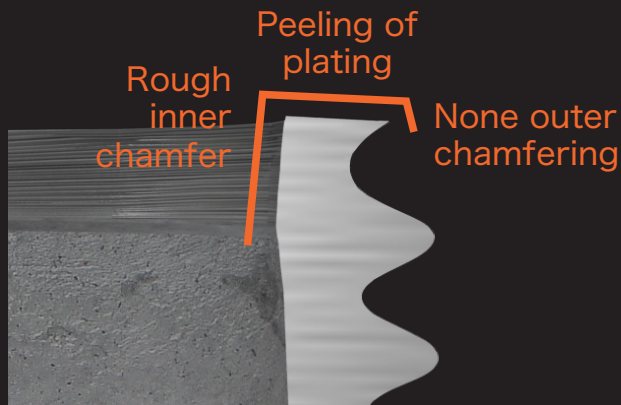


End face  
plating

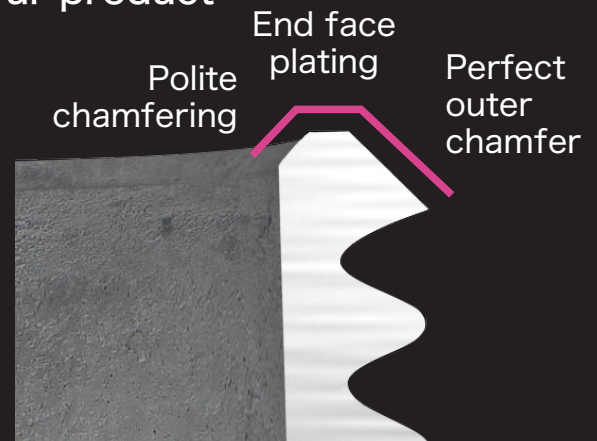
In this product, we focused on pre-treatment before cutting the screw. In the past, long pipes with plating were cut and finished into nipples. Naturally, with this manufacturing method, the cut end surface and the inner burr were scraped off, leaving the inner part of the pipe in a state of "no plating" and causing rust. For this product, after cutting, the inner and outer chamfering is finished, and then each screw is individually plated. This pre-treatment before cutting the screw is the birth of the nipple covered with plating except for the threaded part, which is the most distinctive feature of our particular white standard nipple.

## Differences between conventional products and this product

### Other product



### Our product



Conventional products are nipples designed to prioritize cost performance for residential plumbing, so the mass-production type processing method must be selected. As a result, rough chamfering, tapered threads, and peeling plating are the norm. Although this product can also be used for residential equipment piping, it is finished as "the best nipple for mechanical equipment piping". What is required of the nipple that is part of mechanical equipment piping? It is not just a matter of having good piping, but the nipple itself must be beautiful enough to meet the eyes of the end user as long as it is part of the facility. For this reason, this product is particular about the three aspects of "external, internal, and end surfaces".

## White standard nipple product overview

### ▼ Summary

This is an external threaded pipe fitting that requires a tapered male thread (nominal: R or PT) for pipes.

### ▼ 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., structural members such as handrails and plumbing

### ▼ Recommended Pressure

Airtightness Below 0.5MPa (approx. 5kgf/cm<sup>2</sup>) air pressure  
Water pressure of 2.5MPa (approx. 25kgf/cm<sup>2</sup>) 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.





**NIPPLEX**  
FINE NIPPLE

First time impressed quality.  
The new value is beyond what we know today.

## table of contents

### ■ Steel Pipe Nipple

price list	6p
specification	7p

### ■ Stainless Pipe Nipple

#### 【SUS304 TP-A Standard nipple】

price list	8p
specification	9p

#### 【SUS316 TP-A Standard nipple】

price list	10p
specification	11p

### ■ Hard PVC lined steel for waterworks

#### 【SGP-VA Standard nipple】

price list	12p
specification	13p

#### 【SGP-VB Standard nipple】

price list	14p
specification	15p

#### 【SGP-VD Standard nipple】

price list	16p
specification	17p

### ■ Standard nipple for pressure piping

#### 【White STPG Sch40-E Standard nipple】

price list	18p
specification	19p

#### 【Black STPG Sch80-S Standard nipple】

price list	20p
specification	21p

### ■ Standard Socket

price list	22p
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#### 【Steel Standard Socket】

specification Straight	23p
specification Half	24p
specification Straight(electroplating)	25p

#### 【Stainless Standard Socket】

specification Straight	26p
specification Half straight	27p
specification Taper	28p
specification Half taper	29p
specification JIS socket	30p
specification Straight(SUS316)	31p

### ■ Standard Hose Nipple



price list	32p
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#### 【Standard hose nipple made of steel pipe】

specification White	33p
specification Unichrome	34p

#### 【Stainless steel standard hose nipple】

specification SUS304	35p
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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/cm<sup>2</sup>) or less

Pressure resistance: Less than 2.5MPa (approx. 25kgf/cm<sup>2</sup>)

#### ▼ Chemical Composition

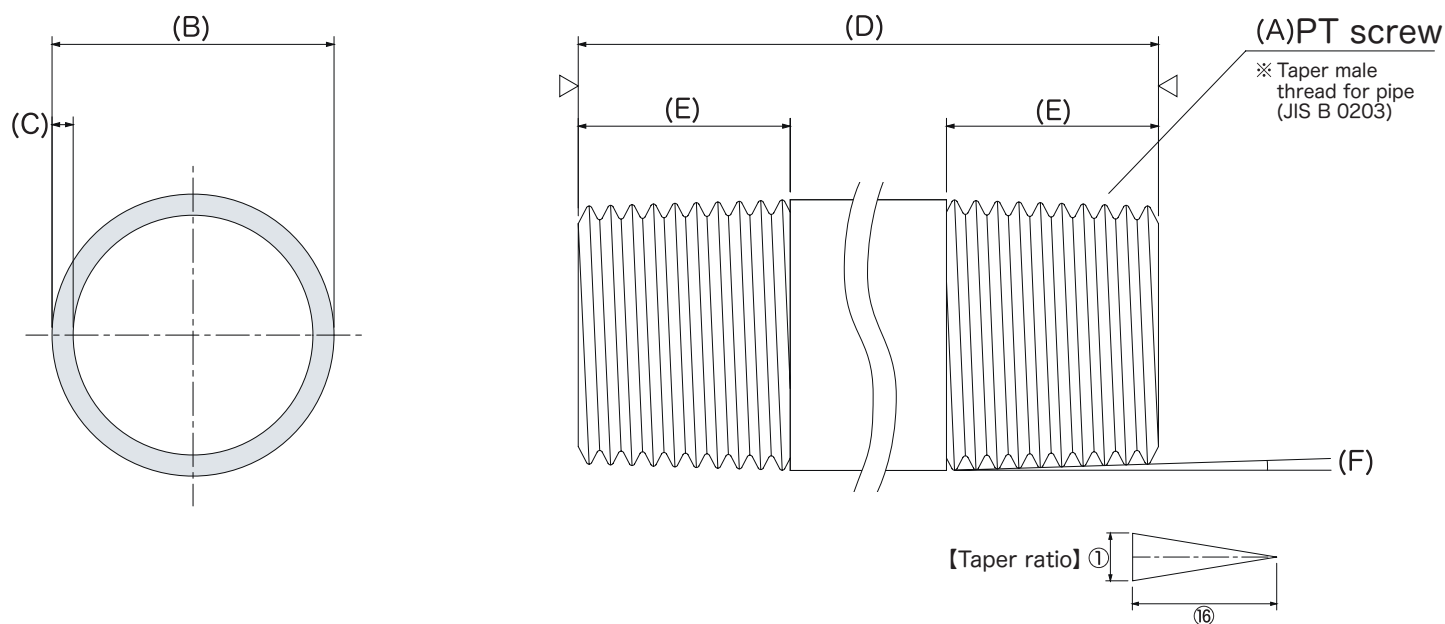
Type	Symbol	Chemical composition (%)	
		P	S
Carbon steel pipe for piping	SGP	0.040 or less	0.040 or less

#### ▼ Inspection of Screws

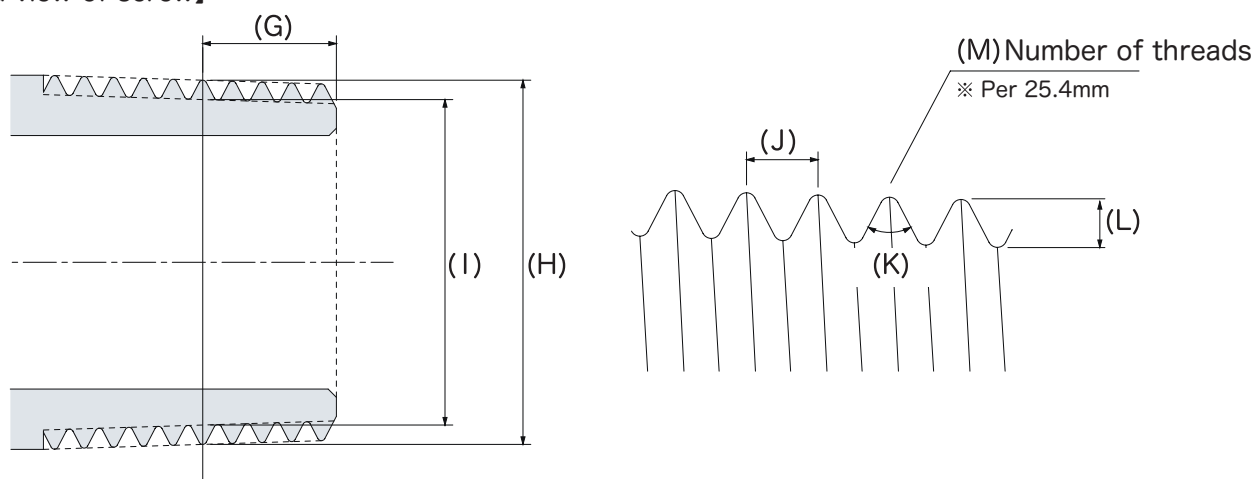
All inspections of the screws are performed using tapered thread gauges that are specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS). (We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.)

#### ▼ 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.




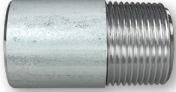
## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2
C	Thickness(t)	2.0	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	5.0
D	Short nipple dimensions	24	26	28	34	38	42	50	50	58	70	78	90	103	103
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5	50	50
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4	28.58	28.58
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11	11	11



Material		Stainless steel pipe (SUS304TP-A) Equivalent to JIS standard number G3459 ※ Some use TP-S															
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)															
Shape		 Double screw  Single screw															
Length Diameter		Short nipple	50mm	65mm	75mm	85mm 90mm	100mm	110mm 115mm	125mm	135mm 140mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm
6A	1/8B	\$3.09 1200 (100×12)	\$3.91 600 (100×6)	\$4.91 600 (100×6)	\$5.36 500 (100×5)	OpenPrice BTO	\$6.27 400 (100×4)	OpenPrice BTO	\$7.82 300 (50×6)	OpenPrice BTO	\$8.55 250 (50×5)	OpenPrice BTO	\$10.55 200 (50×4)	OpenPrice BTO	\$14.73 200	OpenPrice BTO	\$16.73 200
8A	1/4B	\$3.09 1200 (100×12)	\$3.91 600 (100×6)	\$4.91 600 (100×6)	\$5.36 500 (100×5)	OpenPrice BTO	\$6.27 400 (100×4)	OpenPrice BTO	\$7.82 300 (50×6)	OpenPrice BTO	\$8.55 250 (50×5)	OpenPrice BTO	\$10.55 200 (50×4)	OpenPrice BTO	\$14.73 200	OpenPrice BTO	\$16.73 200
10A	3/8B	\$3.09 800 (100×8)	\$3.91 400 (100×4)	\$4.91 400 (100×4)	\$5.36 300 (100×3)	OpenPrice BTO	\$6.27 250 (50×5)	OpenPrice BTO	\$7.82 200 (50×4)	OpenPrice BTO	\$8.55 150 (50×3)	OpenPrice BTO	\$10.55 150 (50×3)	OpenPrice BTO	\$14.73 150	OpenPrice BTO	\$16.73 150
15A	1/2B	\$3.91 400 (50×8)	\$5.36 300 (50×6)	\$5.73 200 (50×4)	\$6.27 200 (50×4)	OpenPrice BTO	\$7.27 150 (50×3)	OpenPrice BTO	\$9.82 100 (50×2)	OpenPrice BTO	\$10.82 100 (50×2)	OpenPrice BTO	\$13.55 100 (50×2)	OpenPrice BTO	\$18.09 60	OpenPrice BTO	\$21.64 50
20A	3/4B	\$4.45 300 (50×6)	\$5.73 200 (50×4)	\$6.64 200 (50×4)	\$7 150 (50×3)	OpenPrice BTO	\$8.64 100 (50×2)	OpenPrice BTO	\$10.82 80	OpenPrice BTO	\$12.91 80	OpenPrice BTO	\$15.73 60	OpenPrice BTO	\$21.18 50	OpenPrice BTO	\$25.18 50
25A	1B	\$6.09 200	\$6.91 200	\$8.09 170	\$8.91 140	OpenPrice BTO	\$10.91 100	OpenPrice BTO	\$13.64 80	OpenPrice BTO	\$15.73 70	OpenPrice BTO	\$19.55 50	OpenPrice BTO	\$26.27 40	OpenPrice BTO	\$31.36 35
32A	1 1/4B	\$8.64 100		\$10.55 85	\$12.09 85	OpenPrice BTO	\$14.82 60	OpenPrice BTO	\$18.64 45	OpenPrice BTO	\$21.55 40	OpenPrice BTO	\$26.55 30	OpenPrice BTO	\$36 20	OpenPrice BTO	\$42.55 20
40A	1 1/2B	\$9.64 80		\$11.73 60	\$13.36 60	OpenPrice BTO	\$16.55 45	OpenPrice BTO	\$20.36 35	OpenPrice BTO	\$23 30	OpenPrice BTO	\$29.73 20	OpenPrice BTO	\$39.64 15	OpenPrice BTO	\$46.45 15
50A	2B	\$13.91 55		\$15.36 40	\$17.18 40	OpenPrice BTO	\$20.82 30	OpenPrice BTO	\$25.82 20	OpenPrice BTO	\$29.82 20	OpenPrice BTO	\$36.64 15	OpenPrice BTO	\$50.55 12	OpenPrice BTO	\$59.36 10
65A	2 1/2B	\$25.18 24				OpenPrice BTO	\$38.82 18	OpenPrice BTO	\$46.82 15	OpenPrice BTO	\$54.27 12	OpenPrice BTO	\$69.09 9	OpenPrice BTO	\$91.55 7	OpenPrice BTO	\$108.45 6
80A	3B	\$33.09 18					\$47.82 12	OpenPrice BTO	\$57.36 9	OpenPrice BTO	\$66.91 9	OpenPrice BTO	\$84.18 6	OpenPrice BTO	\$114.55 4	OpenPrice BTO	\$133.09 4
100A	4B	\$62.36 6					\$73.27 6	OpenPrice BTO	\$84.82 5	OpenPrice BTO	\$114.82 5	OpenPrice BTO	\$121.09 3	OpenPrice BTO	\$169.18 2	OpenPrice BTO	\$191.36 2

※ 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/cm<sup>2</sup>) or less

Pressure resistance: Less than 2.5MPa (approx. 25kgf/cm<sup>2</sup>)

## ▼ 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.

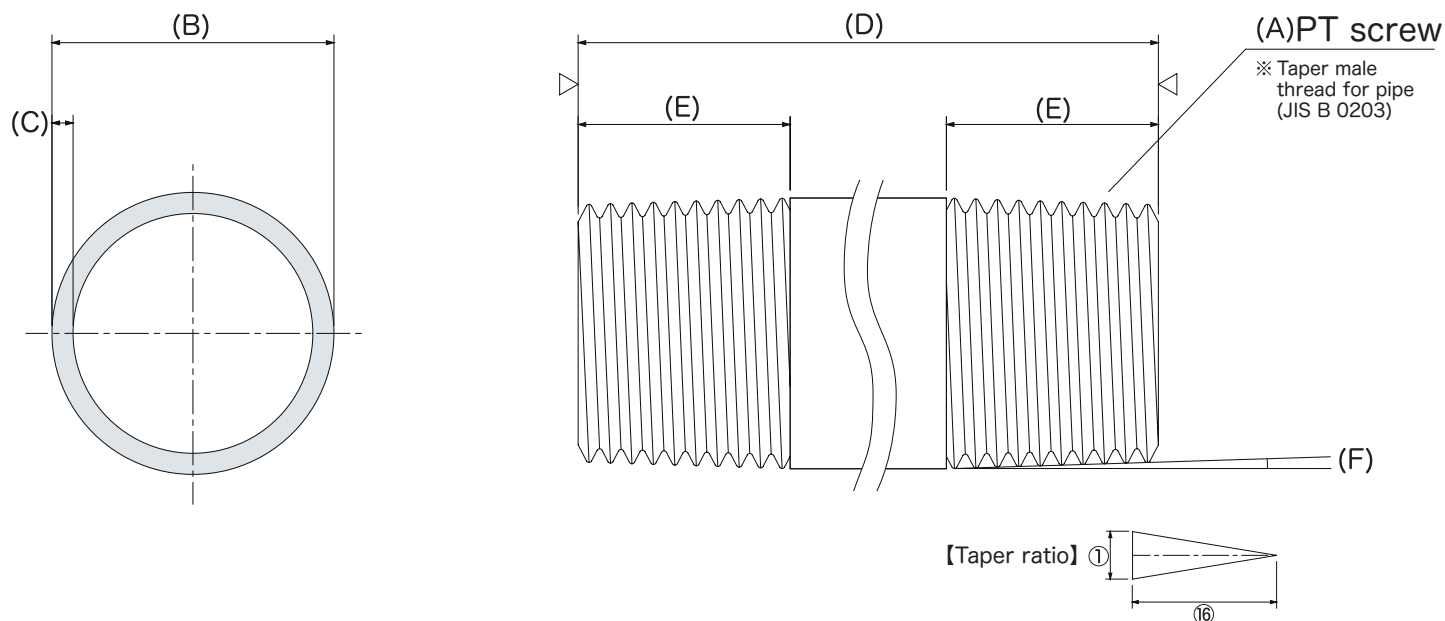
## ▼ Inspection of Screws

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.)

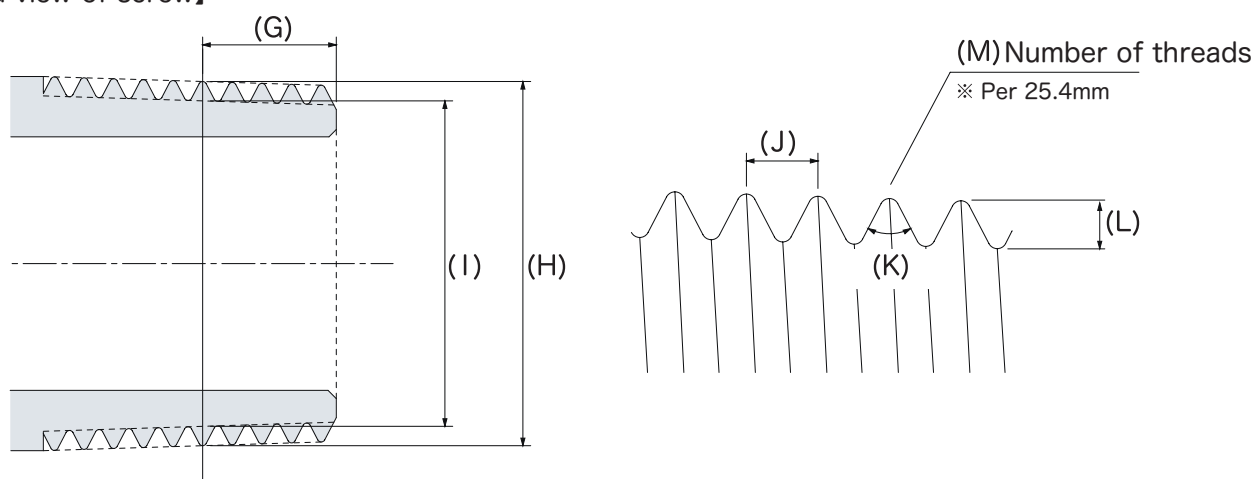
## ▼ Chemical Composition

Type	Symbol	Chemical composition (%)							
		C	Si	Mn	P	S	Ni	Cr	Mo
SUS304	SUS304TP	0.08 or less	0.1 or less	2.0 or less	0.045 or less	0.03 or less	8.0 to 11.0	18.0 to 20.0	-



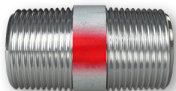
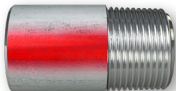


## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.0	2.0	2.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0
D	Short nipple dimensions	24	26	28	34	38	42	50	50	58	70	78	90
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11

Material		Stainless steel pipe (SUS316TP-A) Equivalent to JIS standard number G3459									
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)									
Shape		 Double screw  Single screw									
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm	250mm	300mm
6A	1/8B	\$4.09 1200 (100×12)	\$5.09 600 (100×6)	\$6.27 600 (100×6)	\$7 500 (100×5)	\$8.18 400 (100×4)	\$10.36 300 (50×6)	\$11.18 250 (50×5)	\$13.91 200 (50×4)	OpenPrice BTO	OpenPrice BTO
8A	1/4B	\$4.09 1200 (100×12)	\$5.09 600 (100×6)	\$6.27 600 (100×6)	\$7 500 (100×5)	\$8.18 400 (100×4)	\$10.36 300 (50×6)	\$11.18 250 (50×5)	\$13.91 200 (50×4)	OpenPrice BTO	OpenPrice BTO
10A	3/8B	\$4.09 800 (100×8)	\$5.09 400 (100×4)	\$6.27 400 (100×4)	\$7 300 (100×3)	\$8.18 250 (50×5)	\$10.36 200 (50×4)	\$11.18 150 (50×3)	\$13.91 150 (50×3)	OpenPrice BTO	OpenPrice BTO
15A	1/2B	\$5.09 400 (50×8)	\$7 300 (50×6)	\$7.45 200 (50×4)	\$8.18 200 (50×4)	\$9.45 150 (50×3)	\$12.91 100 (50×2)	\$14.09 100 (50×2)	\$17.64 100 (50×2)	OpenPrice BTO	OpenPrice BTO
20A	3/4B	\$5.82 300 (50×6)	\$7.45 200 (50×4)	\$8.64 200 (50×4)	\$9.27 150 (50×3)	\$11.27 100 (50×2)	\$14.09 80	\$16.82 80	\$20.45 60	OpenPrice BTO	OpenPrice BTO
25A	1B	\$8 200	\$8.91 200	\$10.55 170	\$11.64 140	\$14.18 100	\$17.73 80	\$20.45 70	\$25.36 50	OpenPrice BTO	OpenPrice BTO
32A	1 1/4B	\$11.27 100		\$13.91 85	\$15.73 85	\$19.27 60	\$24.18 45	\$28.09 40	\$34.45 30	OpenPrice BTO	OpenPrice BTO
40A	1 1/2B	\$12.45 80		\$15.27 60	\$17.55 60	\$21.55 45	\$26.55 35	\$29.82 30	\$38.73 20	OpenPrice BTO	OpenPrice BTO
50A	2B	\$18 55		\$20.09 40	\$22.36 40	\$27.09 30	\$33.45 20	\$38.82 20	\$47.64 15	OpenPrice BTO	OpenPrice BTO
65A	2 1/2B	\$32.91 24				\$50.55 18	\$61 15	\$70.64 12	\$89.73 9	OpenPrice BTO	OpenPrice BTO
80A	3B	\$43.09 18				\$62.18 12	\$74.64 9	\$87 9	\$109.45 6	OpenPrice BTO	OpenPrice BTO
100A	4B	\$81.09 6				\$95.45 6	\$110.18 5	\$149.27 5	\$157.36 3	OpenPrice BTO	OpenPrice BTO

※ 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/cm<sup>2</sup>) or less

Pressure resistance: Less than 2.5MPa (approx. 25kgf/cm<sup>2</sup>)

#### ▼ Features of tapered pipe screws (JIS B 0203)

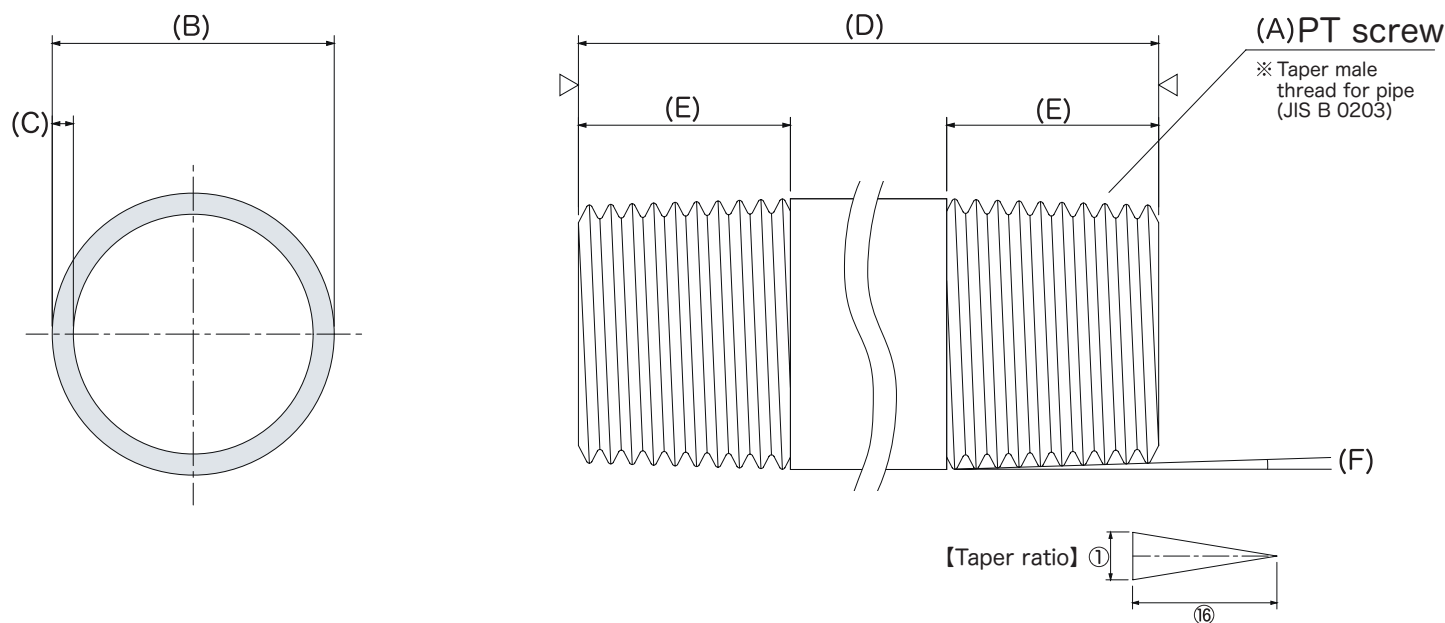
These screws are mainly used to ensure tightness in the threaded parts of pipes, pipe components and fluid equipment. The screw is shaped like a figure of eight with an angle of about 3.6 degrees from the tip of the screw to the end of the screw, with the tip of the screw being the thinnest and the end 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.

#### ▼ Inspection of Screws

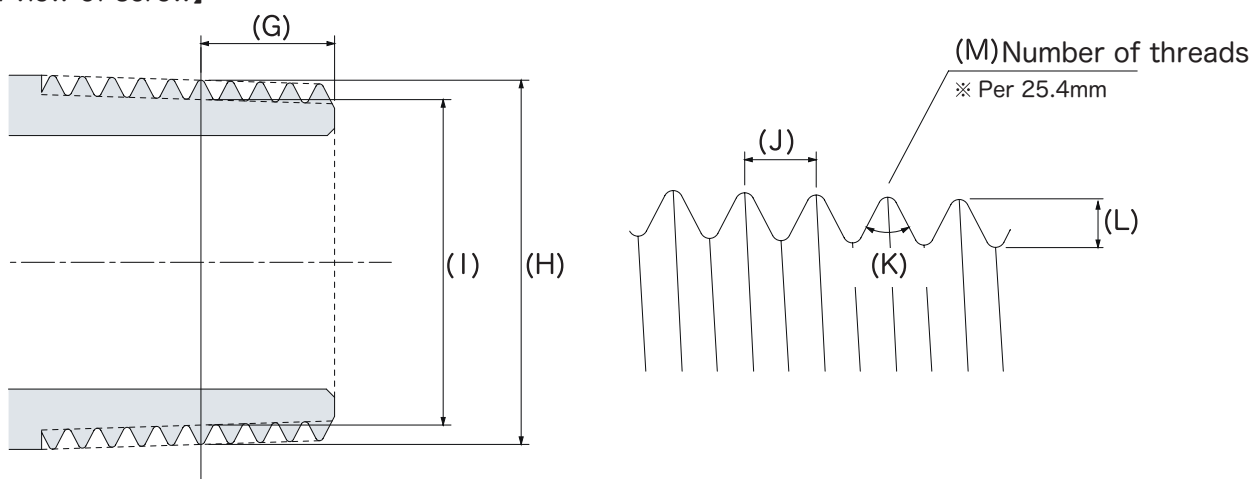
All inspections of the screws are performed using tapered thread gauges that are specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS). (We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.)

#### ▼ Chemical Composition

Type	Symbol	Chemical composition (%)							
		C	Si	Mn	P	S	Ni	Cr	Mo
SUS316	SUS316TP	0.08 or less	0.1 or less	2.0 or less	0.045 or less	0.03 or less	10.0 to 14.0	16.0 to 18.0	2 to 13




## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.0	2.0	2.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0
D	Short nipple dimensions	24	26	28	34	38	42	50	50	58	70	78	90
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11

Material		Hard vinyl chloride lined steel pipes for water supply (SGP-VA) JWWA Standard No. K116							
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)							
Shape		 Double screw							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B	\$2.3 400	\$2.42 400 (100×4)	\$2.65 320 (80×4)	\$3.11 280 (70×4)	\$3.45 160 (40×4)	\$4.03 160 (40×4)	\$4.6 120 (30×4)	\$5.64 120 (30×4)
20A	3/4B	\$2.54 200	\$3.11 280 (70×4)	\$3.45 200 (50×4)	\$3.8 160 (40×4)	\$4.15 120 (30×4)	\$4.84 100 (25×4)	\$5.53 80 (20×4)	\$6.67 80 (20×4)
25A	1B	\$3.8 200	\$4.03 200 (100×2)	\$4.6 140 (70×2)	\$4.84 120 (60×2)	\$5.87 90 (45×2)	\$6.9 80 (40×2)	\$7.71 80 (40×2)	\$9.2 60 (30×2)
32A	1 1/4B	\$5.29 100		\$6.22 100 (50×2)	\$6.56 80 (40×2)	\$7.83 70 (35×2)	\$9.55 70 (35×2)	\$10.58 60 (30×2)	\$12.65 40
40A	1 1/2B	\$6.56 80		\$7.59 70 (35×2)	\$8.28 60 (30×2)	\$9.78 50 (25×2)	\$11.5 50 (25×2)	\$12.88 40 (20×2)	\$15.3 36
50A	2B	\$9.55 55		\$10.24 60 (30×2)	\$10.93 48 (24×2)	\$13.35 40 (20×2)	\$15.76 30 (15×2)	\$17.37 30 (15×2)	\$20.7 20
65A	2 1/2B	\$22.08 24				\$26.34 24	\$29.1 24	\$32.2 18	\$35.88 12
80A	3B	\$29.45 18				\$30.59 16	\$34.5 16	\$36.46 12	\$41.98 9
100A	4B	\$40.48 6				\$42.55 10	\$48.3 10	\$52.67 8	\$60.38 5
125A	5B	\$99.02 4							
150A	6B	\$117.99 4							

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

#### ▼ Material Standards

SGP-VA Hard vinyl chloride lined steel pipes for water supply (JWWA K116)

Black carbon steel pipe for SGP pipes (JIS G3452), coated with hard PVC resin (JIS K6742) on the inner surface and primary anti-rust coating on the outer surface. The inner surface of the pipe has excellent corrosion resistance, oil resistance, and chemical resistance. Since the inner surface is made of smooth hard PVC resin, frictional resistance is low and changes in flow rate and velocity inside the pipe can be minimized. In place of conventional hot-dip galvanized steel pipes, this product is also used for water supply pipes for households, air conditioning cooling water, and industrial water.

#### ▼ Main applications

Mainly for indoor water supply pipes

#### ▼ Chemical Composition

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

#### ▼ Inspection pressure

Leakage (air pressure)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance (water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

#### ▼ 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, etc., where the main purpose is to provide tightness.

▼ Maximum Operating Pressure  
1MPa

▼ Mechanical Strength  
Same as SGP steel pipe.

▼ Recommended Operating Temperature  
0 to 40°C when a pipe end anticorrosion joint is used

#### ▼ 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.

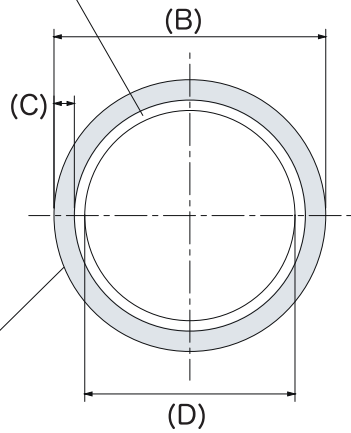
#### ▼ Combining methods

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.

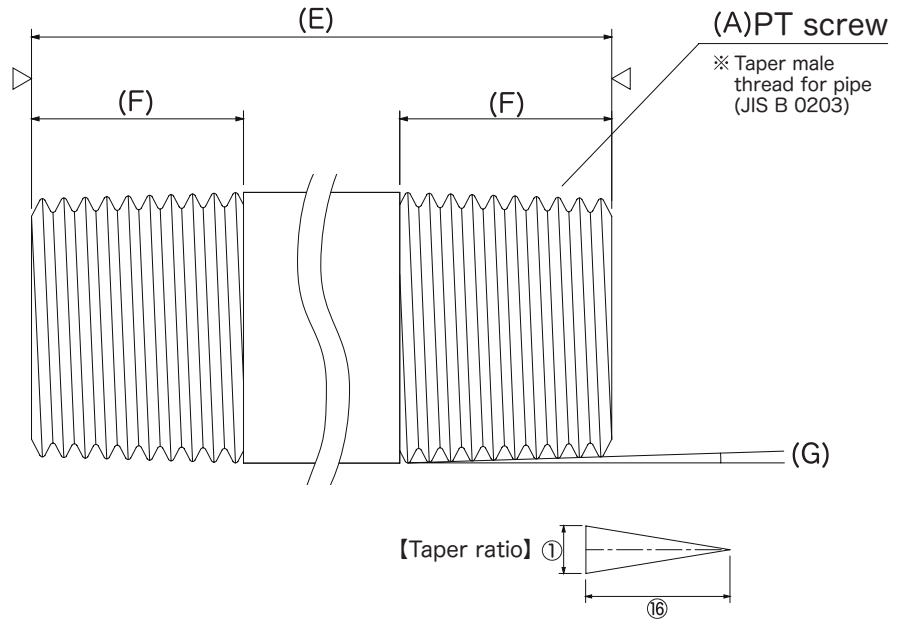


Hard vinyl chloride resin

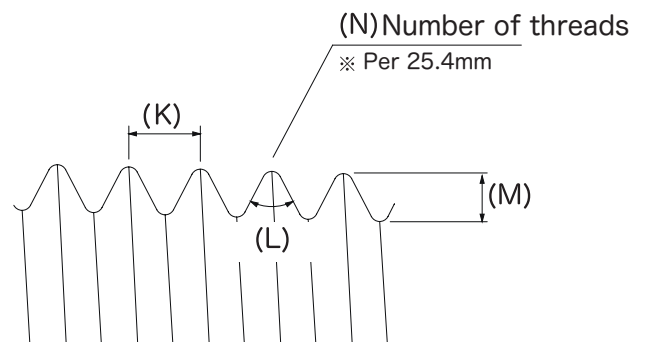
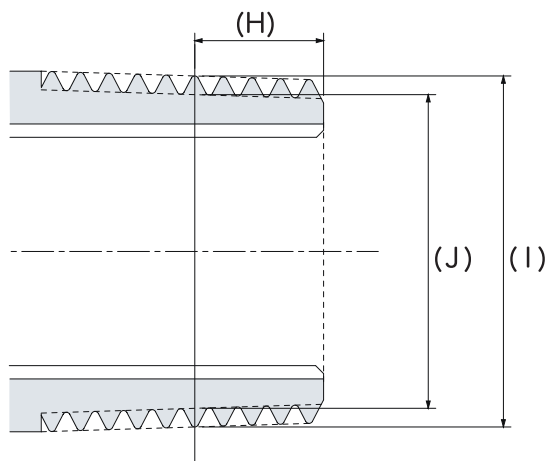
※JIS K6742



Primary anti-rust coating




【Detailed view of screw】



※ Dimensional unit is mm

A	Size	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2
C	Thickness(t)	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	5.0
D	Inner diameter(Φ)	13.1	18.6	24.6	32.7	38.6	49.9	64.9	76.7	101.3	126.8	150.2
E	Short nipple dimensions	34	38	42	50	50	58	70	78	90	103	103
F	Screw dimensions	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5	50	50
G	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
H	Effective thread size	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4	28.58	28.58
I	Effective diameter(Φ)	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
J	Effective valley diameter(Φ)	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
K	Screw pitch	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
L	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
M	Thread height	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
N	Number of threads	14	14	11	11	11	11	11	11	11	11	11

Material		Hard vinyl chloride lined steel pipes for water supply (SGP-VB) JWWA Standard No. K116							
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)							
Shape		 Double screw							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B	\$2.3 400	\$2.42 400 (100×4)	\$2.65 320 (80×4)	\$3.11 280 (70×4)	\$3.45 160 (40×4)	\$4.03 160 (40×4)	\$4.6 120 (30×4)	\$5.64 120 (30×4)
20A	3/4B	\$2.54 200	\$3.11 280 (70×4)	\$3.45 200 (50×4)	\$3.8 160 (40×4)	\$4.15 120 (30×4)	\$4.84 100 (25×4)	\$5.53 80 (20×4)	\$6.67 80 (20×4)
25A	1B	\$3.8 200	\$4.03 200 (100×2)	\$4.6 140 (70×2)	\$4.84 120 (60×2)	\$5.87 90 (45×2)	\$6.9 80 (40×2)	\$7.71 80 (40×2)	\$9.2 60 (30×2)
32A	1 1/4B	\$5.29 100		\$6.22 100 (50×2)	\$6.56 80 (40×2)	\$7.83 70 (35×2)	\$9.55 70 (35×2)	\$10.58 60 (30×2)	\$12.65 40
40A	1 1/2B	\$6.56 80		\$7.59 70 (35×2)	\$8.28 60 (30×2)	\$9.78 50 (25×2)	\$11.5 50 (25×2)	\$12.88 40 (20×2)	\$15.3 36
50A	2B	\$9.55 55		\$10.24 60 (30×2)	\$10.93 48 (24×2)	\$13.35 40 (20×2)	\$15.76 30 (15×2)	\$17.37 30 (15×2)	\$20.7 20
65A	2 1/2B	\$22.08 24				\$26.34 24	\$29.1 24	\$32.2 18	\$35.88 12
80A	3B	\$29.45 18				\$30.59 16	\$34.5 16	\$36.46 12	\$41.98 9
100A	4B	\$40.48 6				\$42.55 10	\$48.3 10	\$52.67 8	\$60.38 5
125A	5B	\$99.02 4							
150A	6B	\$117.99 4							

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

## ▼ Material Standards

SGP-VB Hard vinyl chloride lined steel pipes for water supply (JWWA K116)

Hard vinyl chloride resin (JIS K6742) coated on the inner surface of SGPW galvanized steel pipe (JIS G3442) for water piping. The inner surface of the pipe has excellent corrosion resistance, oil resistance, and chemical resistance. Since the inner surface is made of smooth, hard PVC resin, frictional resistance is low, and changes in flow rate and velocity inside the pipe are kept to a minimum.

## ▼ Main applications

Mainly for water supply pipes for both indoor and outdoor use

## ▼ Chemical Composition

※ The amount of zinc adhesion is greater than that of white pipes for piping carbon steel pipes (SGP). The average value is over 600 gr/m<sup>2</sup> and the minimum value is over 550 gr/m<sup>2</sup>.

Type	Symbol	Chemical composition (%)	
		P	S
Galvanized steel pipe for water piping	SGPW	0.040 or less	0.040 or less

## ▼ Inspection pressure

Leakage (air pressure)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance (water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

## ▼ 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, etc., where the main purpose is to provide tightness.

▼ Maximum Operating Pressure  
1MPa

▼ Mechanical Strength  
Same as SGP steel pipe.

## ▼ Recommended Operating Temperature

0 to 40°C when a pipe end anticorrosion joint is used

## ▼ Inspection of Screws

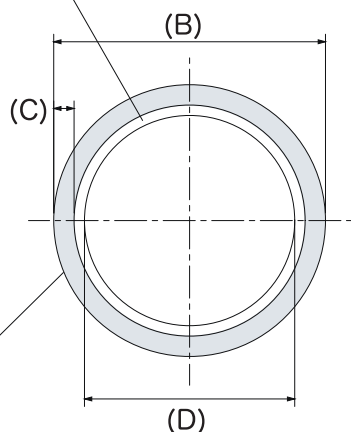
All inspections of the screws are performed using tapered thread gauges specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS standard). We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.

## ▼ Combining methods

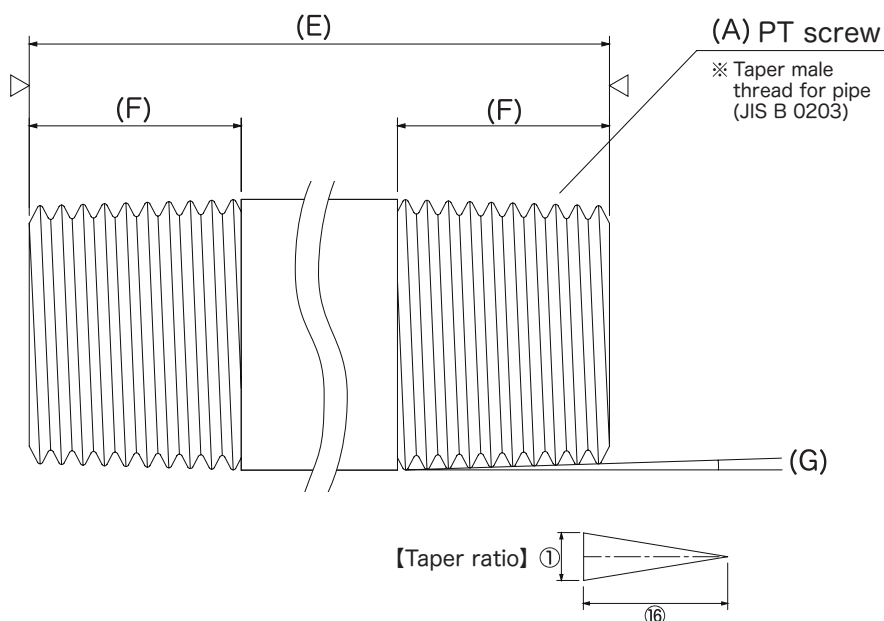
When tightening, after tightening by hand, it is necessary to use a tool such as a pipe wrench to apply torque. However, even if the screws are tightened firmly, a space will be left between the top of the mountain and the bottom of the valley, and it will not be completely airtight. Therefore, it is 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.

Hard vinyl chloride resin

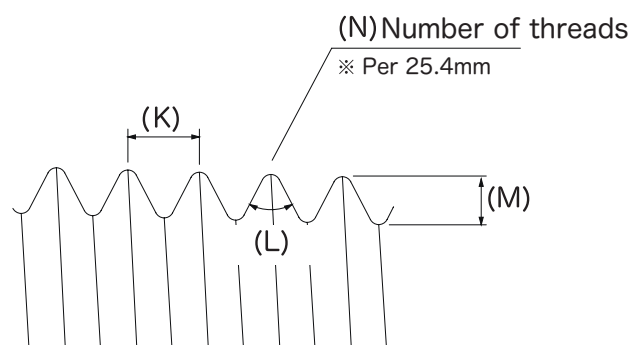
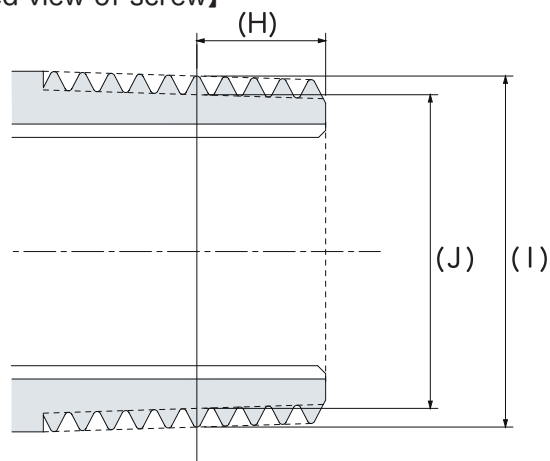
※JIS K6742



Hot-dip galvanized

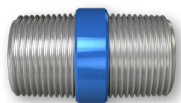


【Detailed view of screw】



※ Dimensional unit is mm

A	Size	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2
C	Thickness(t)	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5	4.5	5.0
D	Inner diameter(Φ)	13.1	18.6	24.6	32.7	38.6	49.9	64.9	76.7	101.3	126.8	150.2
E	Short nipple dimensions	34	38	42	50	50	58	70	78	90	103	103
F	Screw dimensions	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5	50	50
G	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
H	Effective thread size	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4	28.58	28.58
I	Effective diameter(Φ)	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
J	Effective valley diameter(Φ)	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
K	Screw pitch	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
L	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
M	Thread height	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
N	Number of threads	14	14	11	11	11	11	11	11	11	11	11

Material		Hard vinyl chloride lined steel pipes for water supply (SGP-VD) JWWA Standard No. K116							
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
15A	1/2B				\$3.8 100 (50×2)	\$4.6 88 (44×2)	\$5.18 60 (30×2)	\$6.22 60 (30×2)	\$8.05 40
20A	3/4B				\$4.49 70 (35×2)	\$5.41 60 (30×2)	\$6.1 40 (20×2)	\$7.25 40 (20×2)	\$8.97 28
25A	1B				\$5.53 56 (28×2)	\$6.9 44 (22×2)	\$7.25 24 (12×2)	\$9.2 24 (12×2)	\$10.7 18
32A	1 1/4B						\$9.78 30	\$11.5 30	\$13.23 16
40A	1 1/2B						\$10.93 24	\$13.57 24	\$14.95 16
50A	2B						\$16.1 14	\$17.95 14	\$21.28 9
65A	2 1/2B							\$34.5 7	\$41.4 7
80A	3B							\$39.1 3	\$47.15 3
100A	4B							\$51.75 2	\$62.1 2

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

#### ▼ Material Standards

SGP-VD Hard vinyl chloride lined steel pipes for water supply (JWWA K116)

Hard vinyl chloride resin (JIS K6742) coated on the inner and outer surfaces of black (JIS G3452) SGP carbon steel pipes. The inner surface of the pipe has excellent corrosion resistance, oil resistance, and chemical resistance. Since the inner surface is made of smooth, hard PVC resin, frictional resistance is low, and changes in flow rate and velocity inside the pipe are kept to a minimum.

#### ▼ Main applications

Mainly for water supply pipes for outdoor and underground installation

#### ▼ Chemical Composition

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

#### ▼ Inspection pressure

Leakage (air pressure)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance (water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

#### ▼ 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, etc., where the main purpose is to provide tightness.

#### ▼ Maximum Operating Pressure

1MPa

#### ▼ Mechanical Strength

Same as SGP steel pipe.

#### ▼ Recommended Operating Temperature

0 to 40°C when a pipe end anticorrosion joint is used

#### ▼ 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.

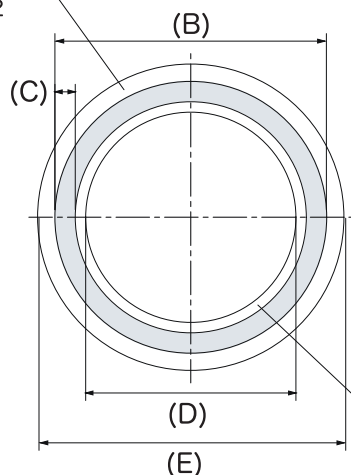
#### ▼ Combining methods

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.



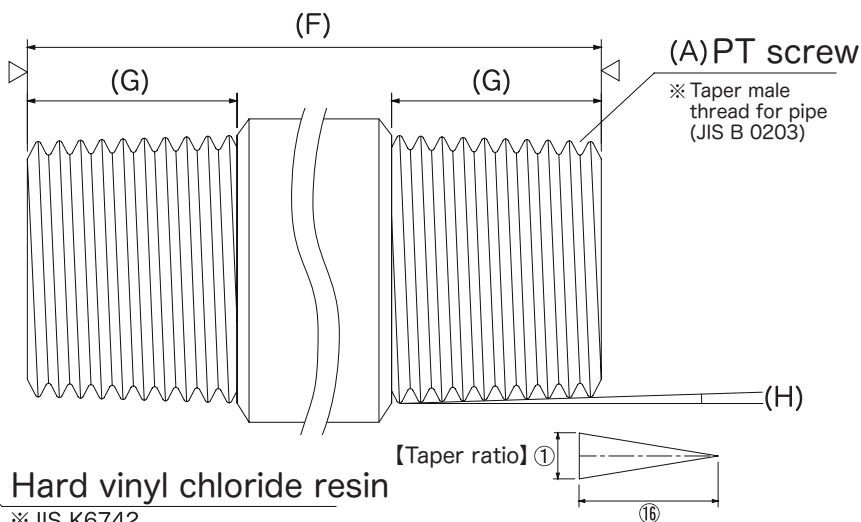
## Hard vinyl chloride resin

※JIS K6742

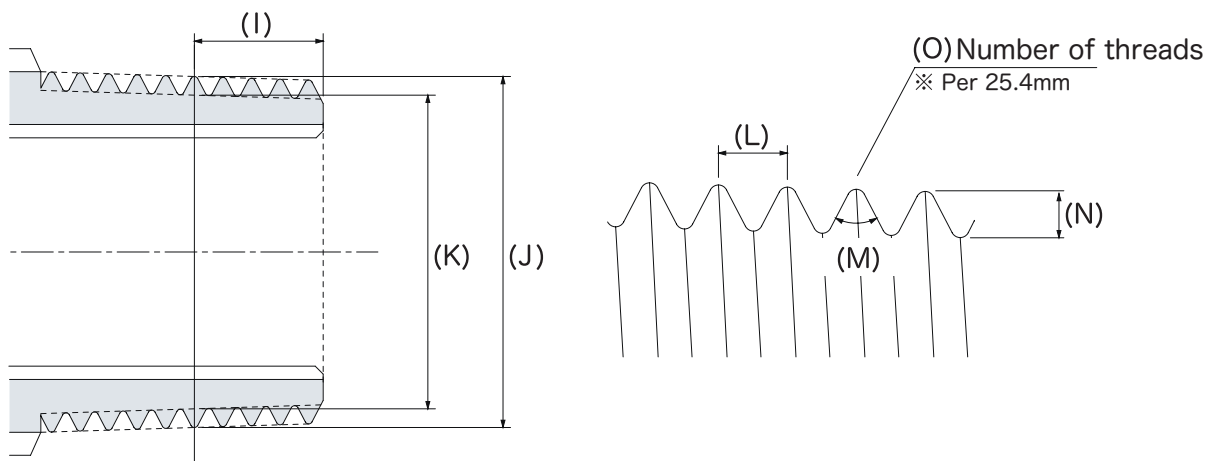


## Hard vinyl chloride resin

※JIS K6742




## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.5
D	Inner diameter	13.1	18.6	24.6	32.7	38.6	49.9	64.9	76.7	101.3
E	Coating Outer diameter	25.7	31.0	37.8	46.3	52.0	63.7	79.5	92.3	118.3
F	Short nipple dimensions									
G	Screw dimensions	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
H	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
I	Effective thread size	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
J	Effective diameter(Φ)	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
K	Effective valley diameter(Φ)	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
L	Screw pitch	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
M	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°
N	Thread height	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
O	Number of threads	14	14	11	11	11	11	11	11	11

Material		Carbon Steel Pipes for Pressure Piping (STPG370E-G) JIS Standard Number G3454 (with galvanizing)							
Standard		Pipe nipple (threaded pipe fittings JIS B 2302) Screw: PT (tapered pipe thread JIS B 0203)							
Shape		 Double screw							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
25A	1B	\$7.59 200	\$8.05 200	\$8.97 170	\$9.78 140	\$10.93 100	\$12.88 80	\$14.95 70	\$17.6 50
32A	11/4B	\$8.17 100		\$9.2 85	\$11.27 85	\$13.92 60	\$16.45 45	\$19.09 40	\$22.55 30
40A	11/2B	\$8.52 80		\$9.66 60	\$11.74 60	\$14.49 45	\$17.25 35	\$20.02 30	\$23.93 20
50A	2B	\$10.58 55		\$12.65 40	\$15.53 40	\$19.33 30	\$22.2 20	\$25.3 20	\$29.67 15
65A	21/2B	\$20.13 24				\$26.23 18	\$30.25 15	\$34.16 12	\$40.37 9
80A	3B	\$31.17 18				\$35.31 12	\$39.79 9	\$44.28 9	\$55.09 6
100A	4B	\$40.03 6				\$45.08 6	\$52.45 5	\$59.92 5	\$72.92 3
125A	5B	\$51.29 4					\$59.46 4	\$68.2 4	\$84.07 3
150A	6B	\$61.53 4					\$71.07 4	\$81.54 2	\$100.63 2

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

#### ▼ Material Standards

Carbon Steel Tubes for Pressure Piping (STPG370E-G)  
JIS standard number G3454 (with zinc plating)

#### ▼ Material Characteristics

Carbon steel pipes used for pressure piping at 350 °C or lower (water pressure test pressure 6.0Mpa)  
Used in applications where relatively high pressure (10 MPa (100 kgf/cm<sup>2</sup>) 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

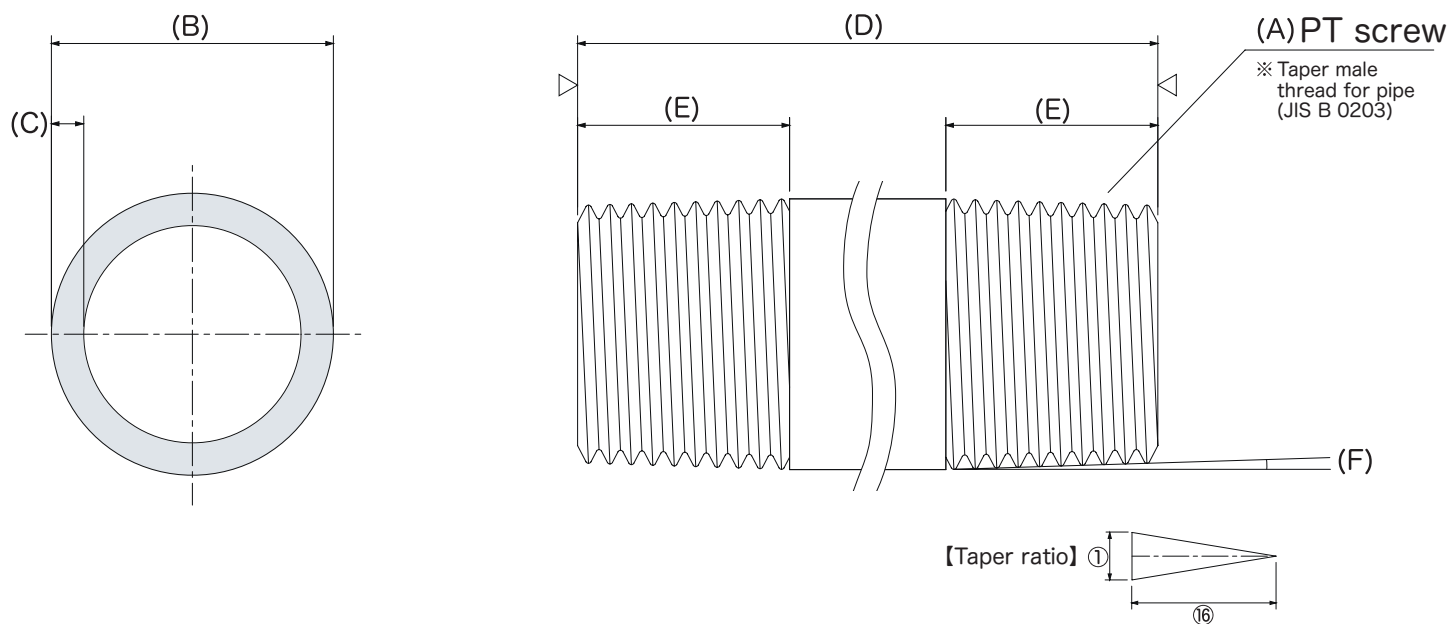
All inspections of the screws are performed using tapered thread gauges specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS standard). We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.

#### ▼ Standard hydraulic test characteristics of steel pipes (JIS)

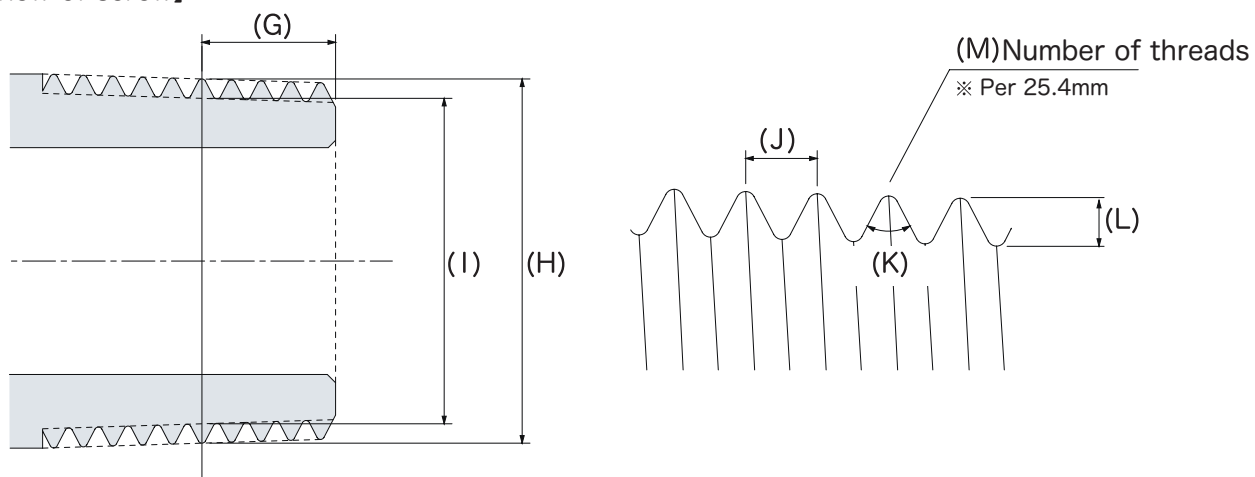
12MPa(approx. 120kgf/cm<sup>2</sup>)

#### ▼ 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.




#### 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	34.0	42.7	48.6	60.5	76.3	89.1	114.3	139.8	165.2
C	Thickness(t)	3.4	3.6	3.7	3.9	5.2	5.5	6.0	6.6	7.1
D	Short nipple dimensions	42	50	50	58	70	78	90	103	103
E	Screw dimensions	20.5	24.5	24.5	28.5	34.5	38.5	44.5	50	50
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	10.39	12.7	12.7	15.88	17.46	20.64	25.4	28.58	28.58
H	Effective diameter(Φ)	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
I	Effective valley diameter(Φ)	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
J	Screw pitch	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	11	11	11	11	11	11	11	11	11

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									
Diameter	Length	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/cm<sup>2</sup>) 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.

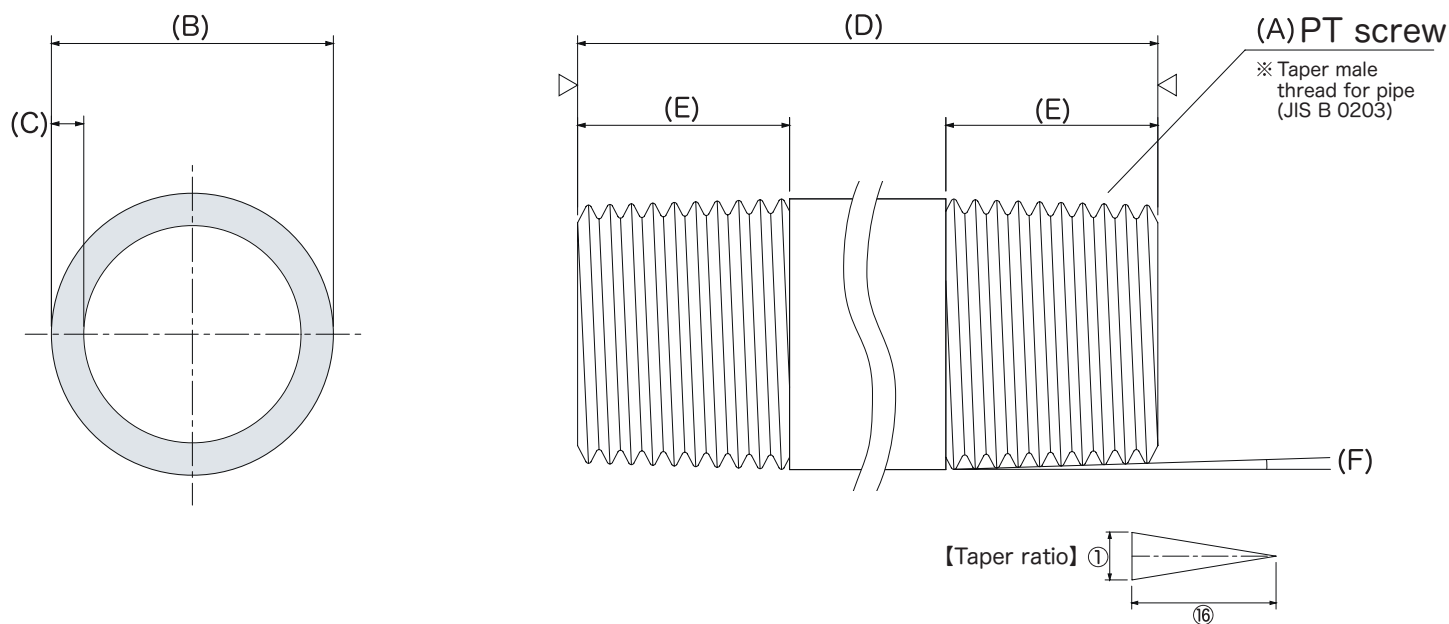
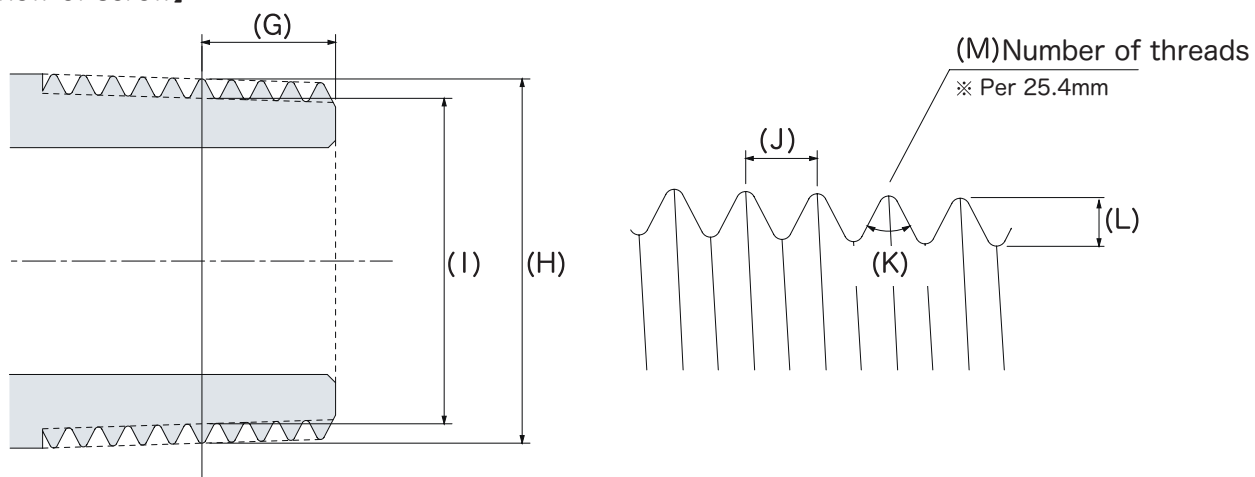
#### ▼ Standard hydraulic test characteristics of steel pipes (JIS)

12MPa(approx. 120kgf/cm<sup>2</sup>)

#### ▼ 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.




**【Detailed view of screw】**


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.4	3	3.2	3.7	3.9	4.5	4.9	5.1	5.5	7	7.6	8.6
D	Short nipple dimensions	24	26	28	34	38	42	50	50	58	70	78	90
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11

Material		Carbon steel pipes for general structures (JIS G3444) or SWCH10R equivalent			Stainless steel pipe equivalent (JIS G3459)					
Product		Steel Pipe JIS Standards socket		Steel Pipe JIS Standards Electroplated Sockets	SUS304 Standard Sockets				SUS304 JIS standard sockets	SUS316 Standard Sockets
Shape		Straight 	Half 	Straight 	Straight 	Half 	Taper 	Half taper 	Straight 	Straight 
6A	1/8B	\$1.24 1600 (400×4)		\$1.55 1600 (400×4)	\$4.45 800 (100×8)	\$3.36 1200 (100×12)	\$8.18 500 (100×5)	\$6.64 600 (100×6)		OpenPrice BTO
8A	1/4B	\$1.35 800 (200×4)	OpenPrice BTO	\$1.76 800 (200×4)	\$4.45 800 (100×8)	\$3.36 1000 (100×10)	\$8.18 500 (100×5)	\$6.64 600 (100×6)	\$5.91 500 (100×5)	OpenPrice BTO
10A	3/8B	\$1.52 600 (150×4)	OpenPrice BTO	\$2.02 600 (150×4)	\$4.45 400 (100×4)	\$3.36 600 (100×6)	\$8.18 300 (100×3)	\$6.64 600 (100×6)	\$5.91 300 (100×3)	OpenPrice BTO
15A	1/2B	\$2.05 300 (150×2)	OpenPrice BTO	\$2.75 300 (150×2)	\$4.73 300 (50×6)	\$3.82 500 (50×10)	\$11.73 300 (50×6)	\$9.36 500 (50×10)	\$9.09 300 (50×6)	OpenPrice BTO
20A	3/4B	\$2.6 200 (100×2)	OpenPrice BTO	\$3.44 200 (100×2)	\$6.09 200 (50×4)	\$4.55 300 (50×6)	\$16.73 200 (50×4)	\$12.73 300 (50×6)	\$12.73 200 (50×4)	OpenPrice BTO
25A	1B	\$3.8 120 (60×2)	OpenPrice BTO	\$5.24 120 (60×2)	\$8.64 150	\$6.27 200	\$18.64 100	\$14.73 200	\$14.36 100	OpenPrice BTO
32A	1 1/4B	\$5 70	OpenPrice BTO	\$6.67 70	\$12 80	\$9.45 150	\$31.64 80	\$25 100	\$22.73 75	OpenPrice BTO
40A	1 1/2B	\$6.57 50	OpenPrice BTO	\$8.67 50	\$13.91 60	\$10.91 120	\$35.27 60	\$27.82 100	\$28.18 60	OpenPrice BTO
50A	2B	\$8.47 40	OpenPrice BTO	\$11.75 40	\$21.27 30	\$16.82 60	\$48.73 28	\$38.73 60	\$38.73 28	OpenPrice BTO
65A	2 1/2B	\$16.55 24		\$22.73 24	\$38.36 24	\$30.73 30				OpenPrice BTO
80A	3B	\$20.6 18		\$30.58 18	\$50.36 12	\$39.73 20				OpenPrice BTO
100A	4B	\$33.41 8		\$45.76 8	\$86.82 6	\$68.27 12				OpenPrice BTO
125A	5B	\$49.9 6		\$66.62 6						
150A	6B	\$69.37 4		\$90.57 4						

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

#### ▼ Material Standards

Standard steel pipe sockets are made of carbon steel pipes for general structural use (JIS G3444) or equivalent or higher. Stainless steel standard sockets are made of stainless steel pipes (JIS G3444) or equivalent or higher grade steel pipes (JIS G3459). (Composition: 18Cr-8Ni)

#### ▼ Inspection pressure

Leakage (air pressure)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance (water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

#### ▼ Chemical Composition

Type	Symbol	Chemical composition (%)							
		C	Si	Mn	P	S	Ni	Cr	Mo
Carbon steel pipe for general structure	STK	0.25 or less	-	-	0.040 or less	0.040 or less	-	-	-
Stainless steel pipe for piping	SUS304TP	0.08 or less	0.1 or less	0.2 or less	0.045 or less	0.03 or less	8 to 11	18 to 20	-
	SUS316TP	0.08 or less	0.1 or less	0.2 or less	0.045 or less	0.03 or less	10 to 14	16 to 18	2 to 3

#### ▼ Screw Standards

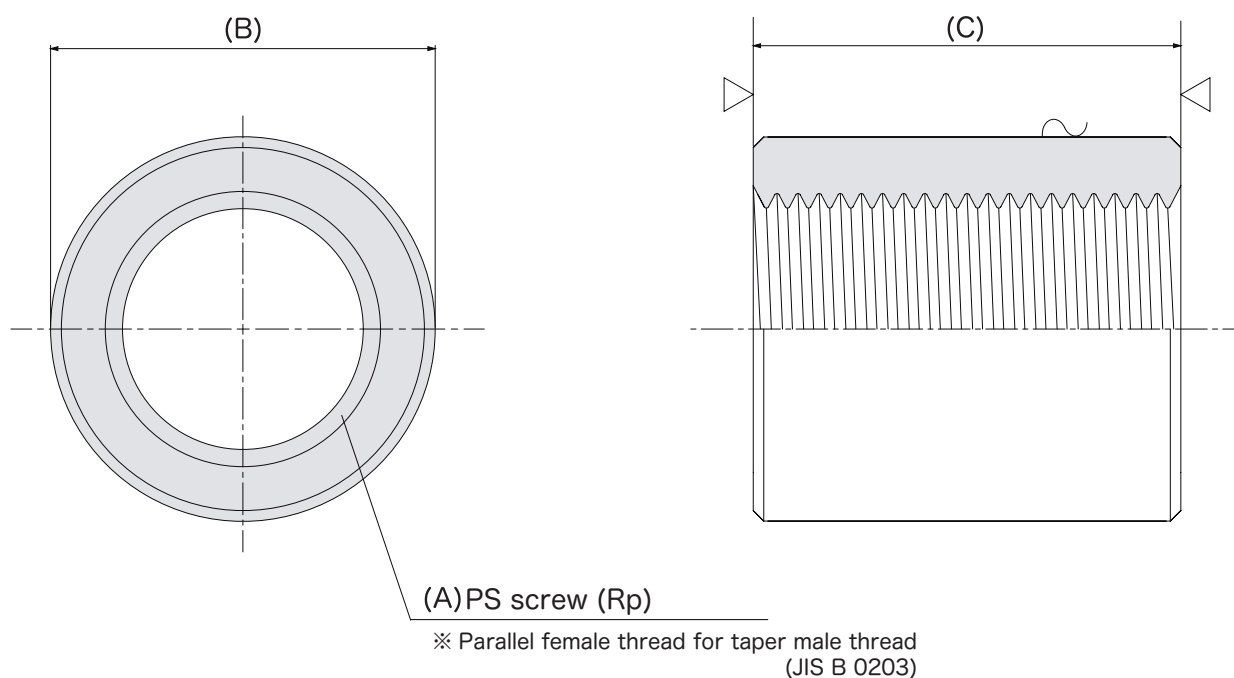
This is a pipe fitting of the internal thread type that requires a parallel female thread [symbol: PS (Rp)] or a taper female thread [symbol: PT (Rc)] for pipes (JIS B0203). They are suitable for joining pipe nipples, other pipe parts and fluid equipment with tapered male threads (PT), whose main purpose is to achieve tightness.

#### ▼ Inspection of Screws

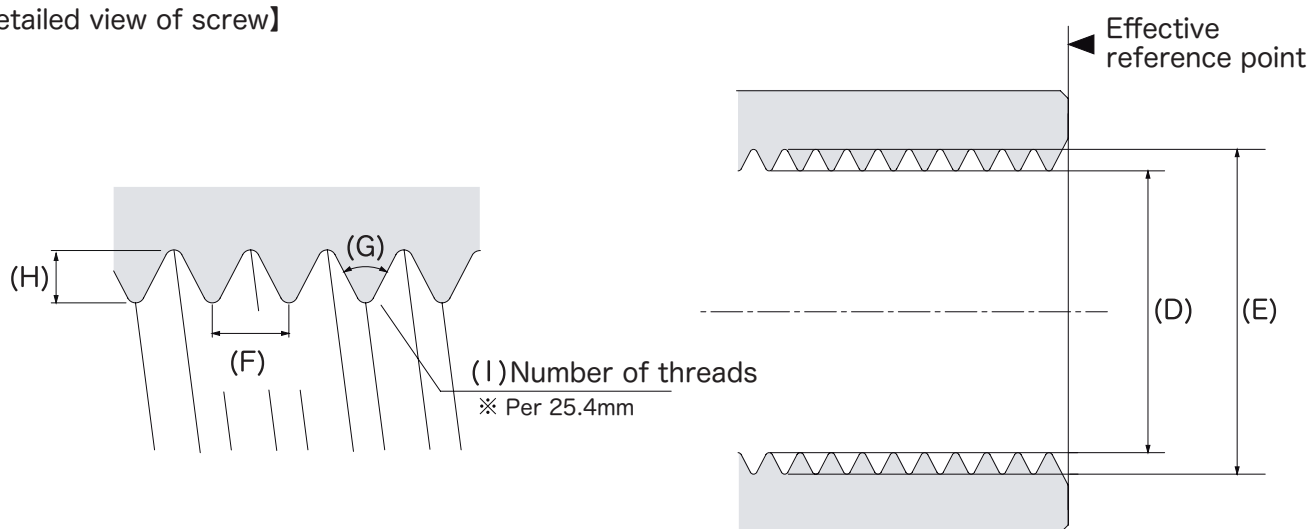
All inspections of the screws are performed using tapered thread gauges specified in JIS B0253, the standard number of the Japanese Industrial Standard (JIS standard). We use OSG gauges manufactured by OSG as the inspection gauge manufacturer.

#### ▼ About Electroplating

The chemical composition of electrogalvanized (UNIQLO) zinc plating is chromium sulfate (7.6%), which complies with the RoHS Directive (Rose Directive). The plating film thickness is 5 μ.

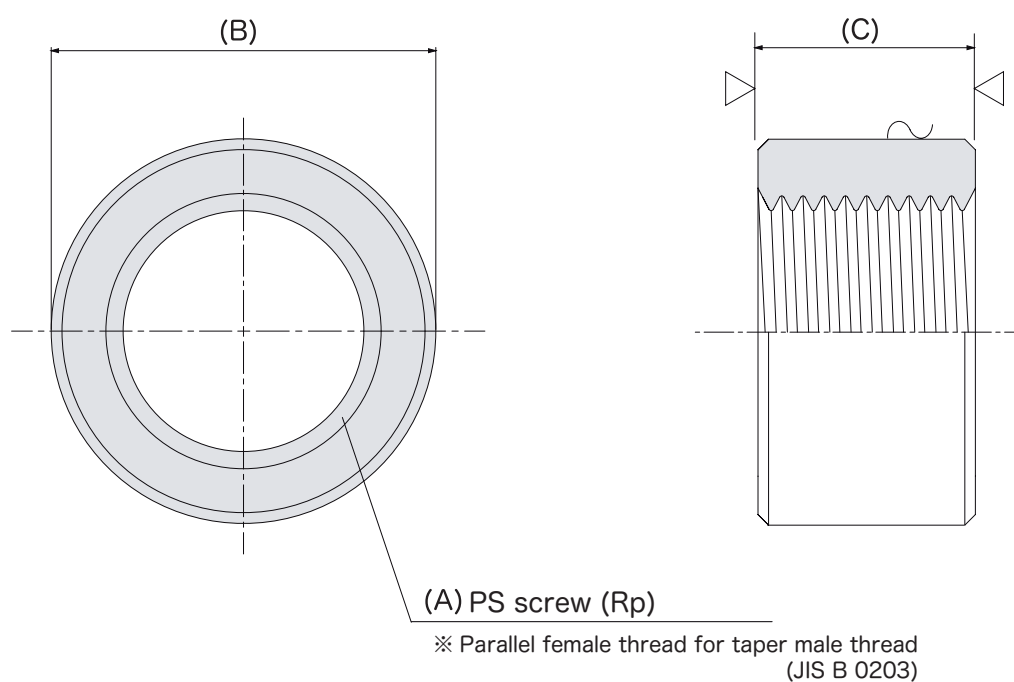


## 【Detailed view of screw】

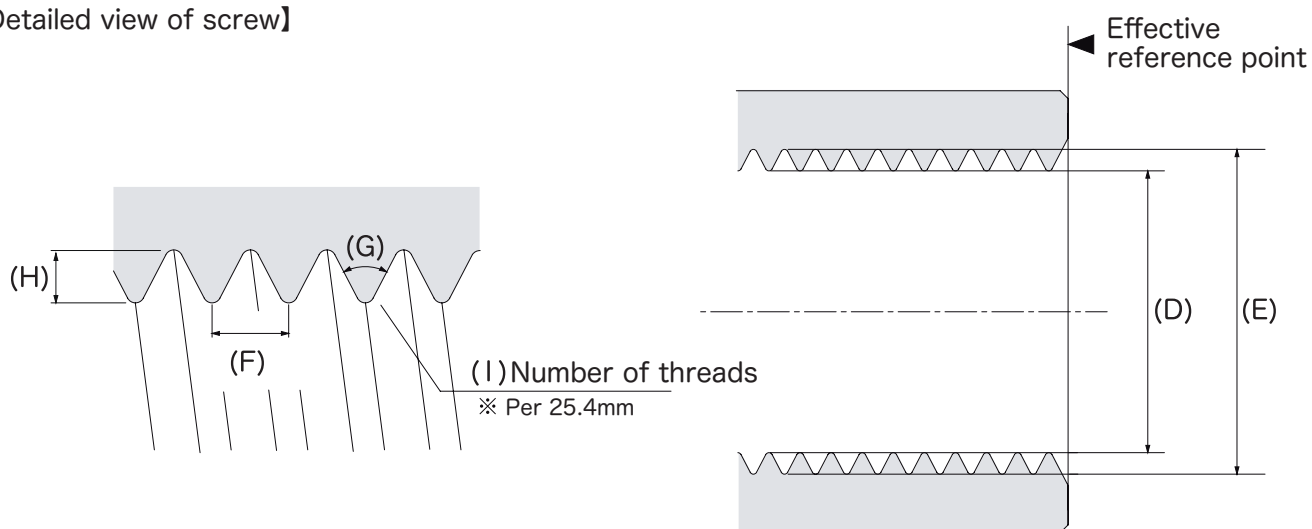


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter( $\Phi$ )	15	19	23	28	34.5	41.5	51	58	70	87	102	127	154	180
C	length	19	27	28	37	39	46	51	51	60	69	75	87	96	96
D	Effective diameter( $\Phi$ )	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
E	Effective valley diameter( $\Phi$ )	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
F	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
G	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
H	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
I	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11	11	11



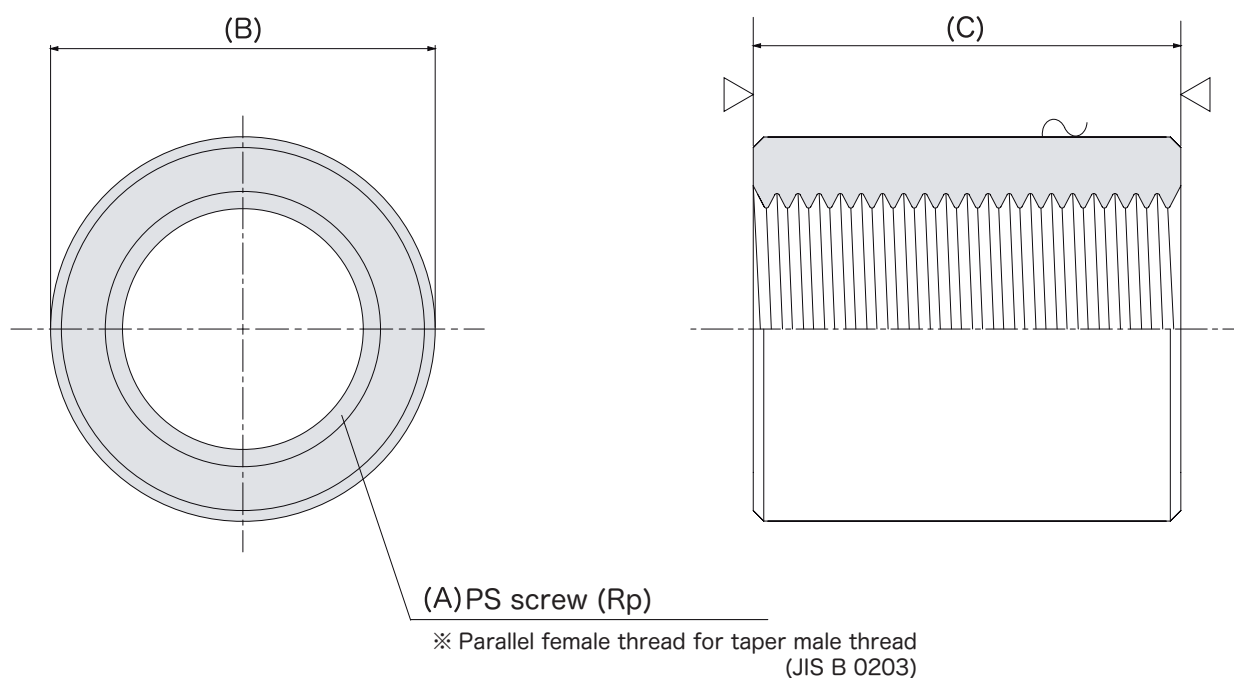
## 【Detailed view of screw】



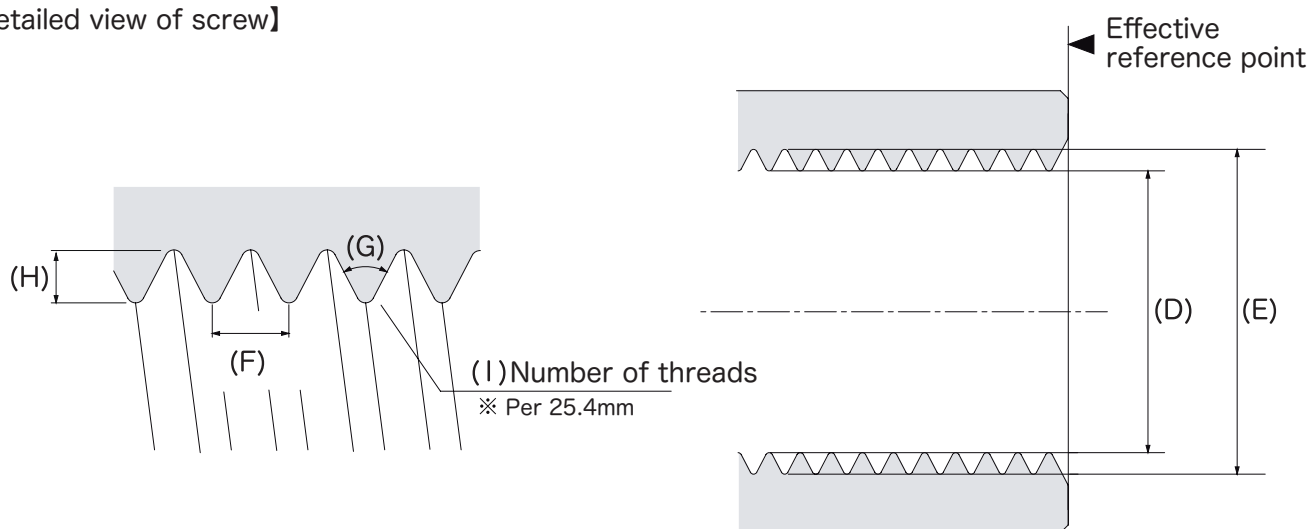
※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter( $\Phi$ )		19	23	28	34.5	41.5	51	58	70			
C	length		12	12.5	17	18	21.5	24	24	28.5			
D	Effective diameter( $\Phi$ )		11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656			
E	Effective valley diameter( $\Phi$ )		13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614			
F	Screw pitch		1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091			
G	Thread angle		55°	55°	55°	55°	55°	55°	55°	55°			
H	Thread height		0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479			
I	Number of threads		19	19	14	14	11	11	11	11			



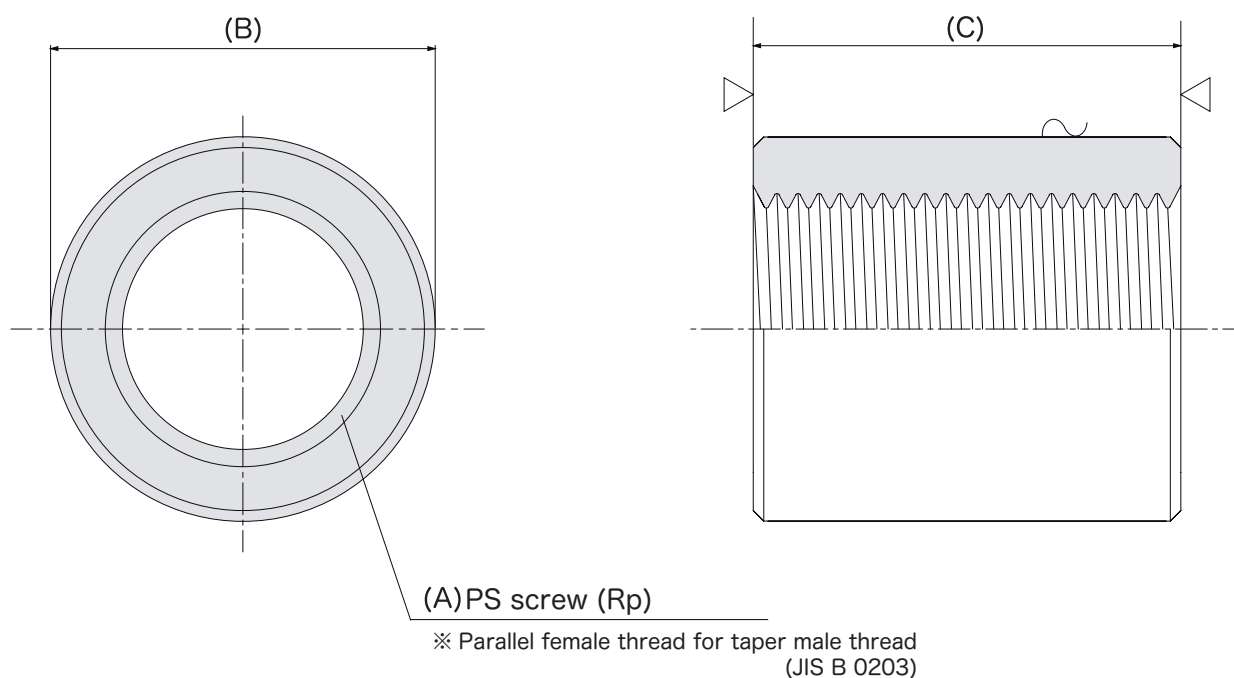


## 【Detailed view of screw】

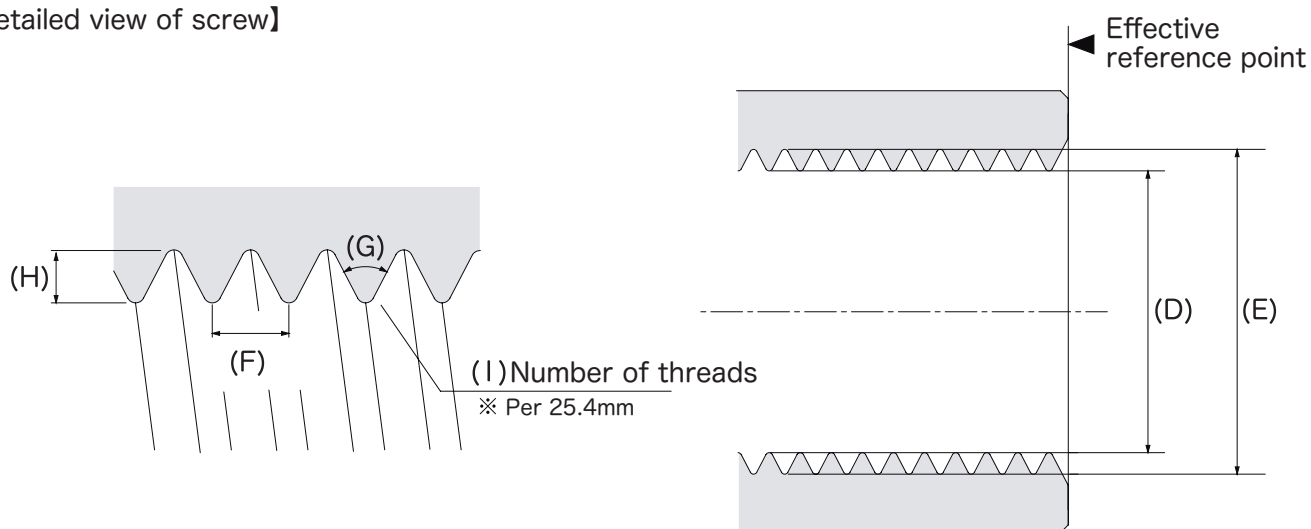


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	15	19	23	28	34.5	41.5	51	58	70	87	102	127	154	180
C	length	19	27	28	37	39	46	51	51	60	69	75	87	96	96
D	Effective diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
E	Effective valley diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
F	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
G	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
H	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
I	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11	11	11

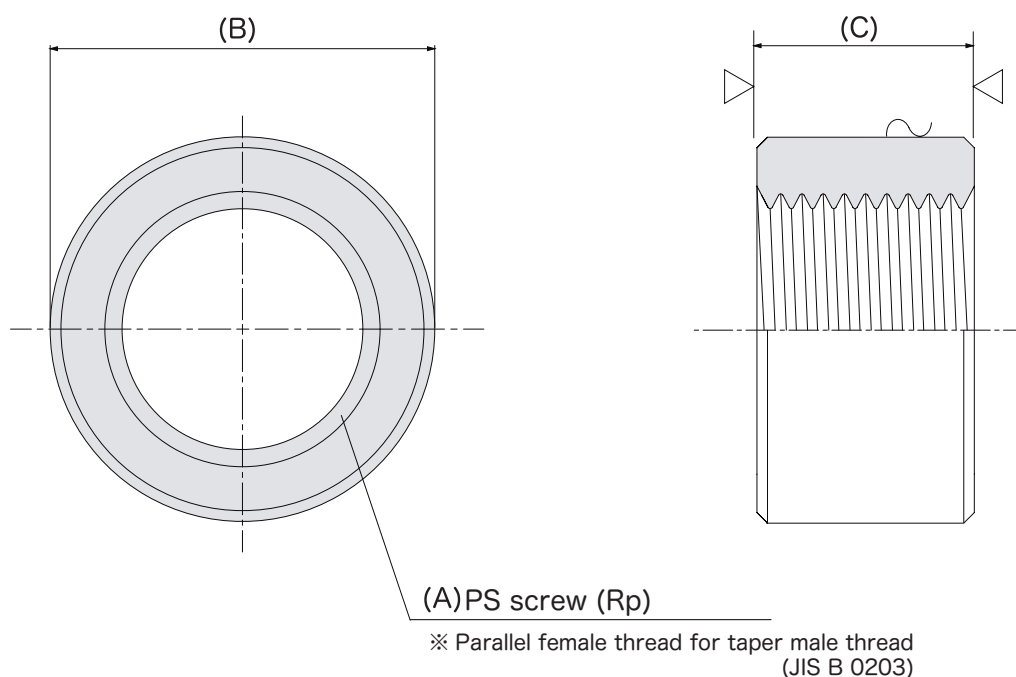


## 【Detailed view of screw】

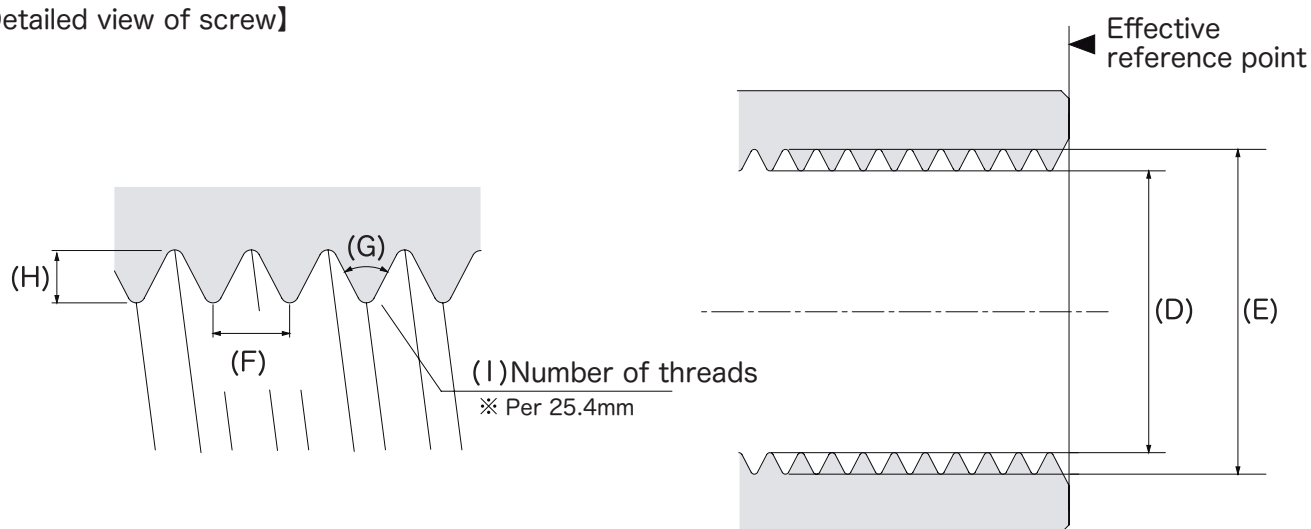


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter( $\Phi$ )	13.8	17	21	25	31	38	47	53	66	82	95	121
C	length	20	25	26	33	36	43	48	48	56	65	70	84
D	Effective diameter( $\Phi$ )	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
E	Effective valley diameter( $\Phi$ )	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
F	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
G	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
H	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
I	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11

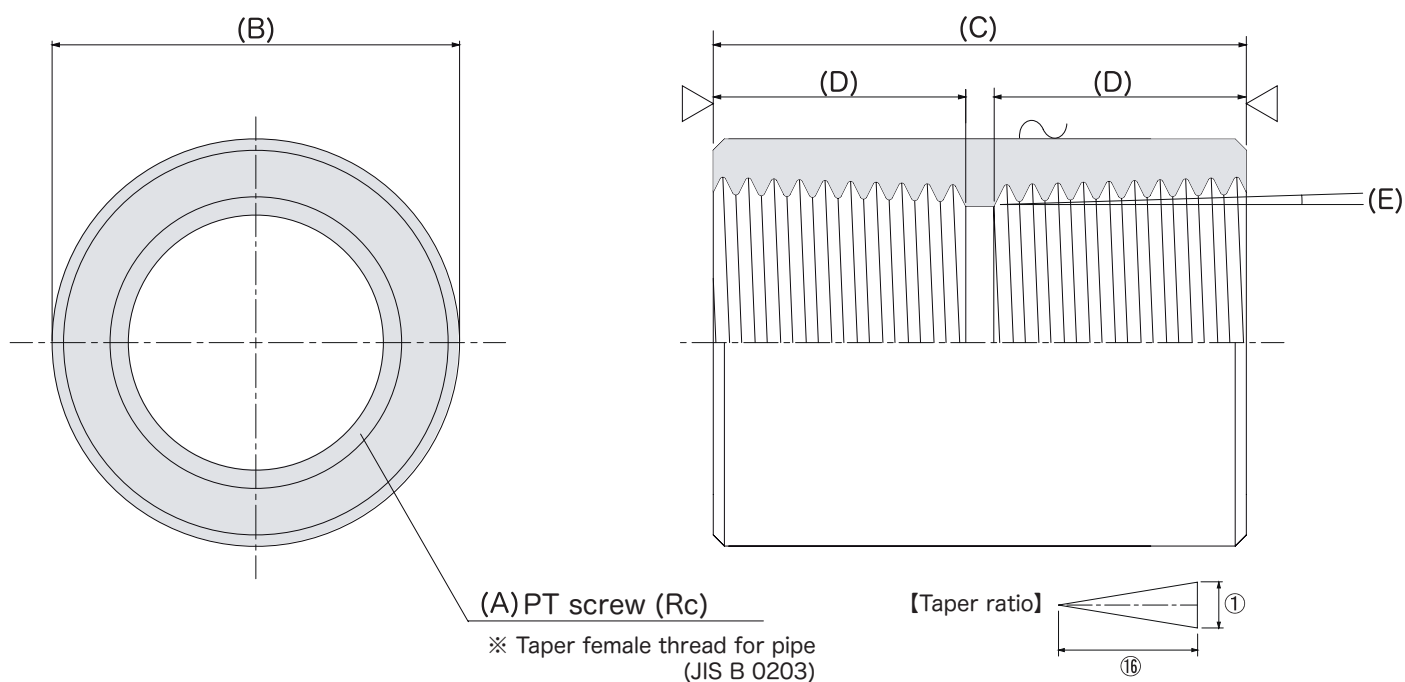


## 【Detailed view of screw】

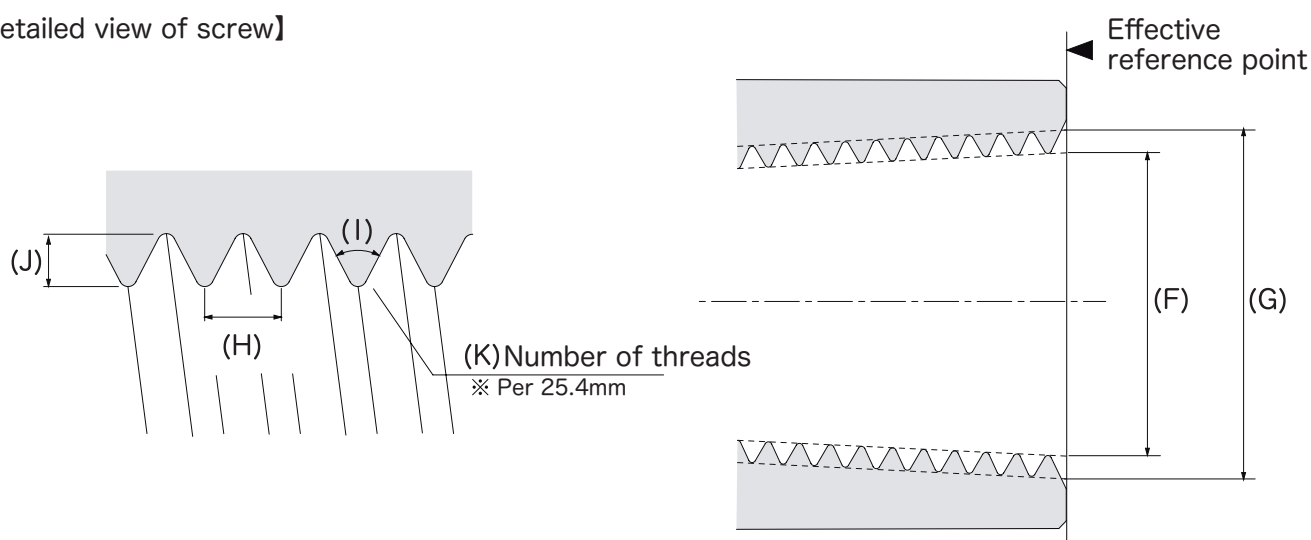


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter( $\Phi$ )	13.8	17	21	25	31	38	47	53	66	82	95	121
C	length	12	15	16	20	21	25	28	28	34	39	42	50
D	Effective diameter( $\Phi$ )	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
E	Effective valley diameter( $\Phi$ )	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
F	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
G	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
H	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
I	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11

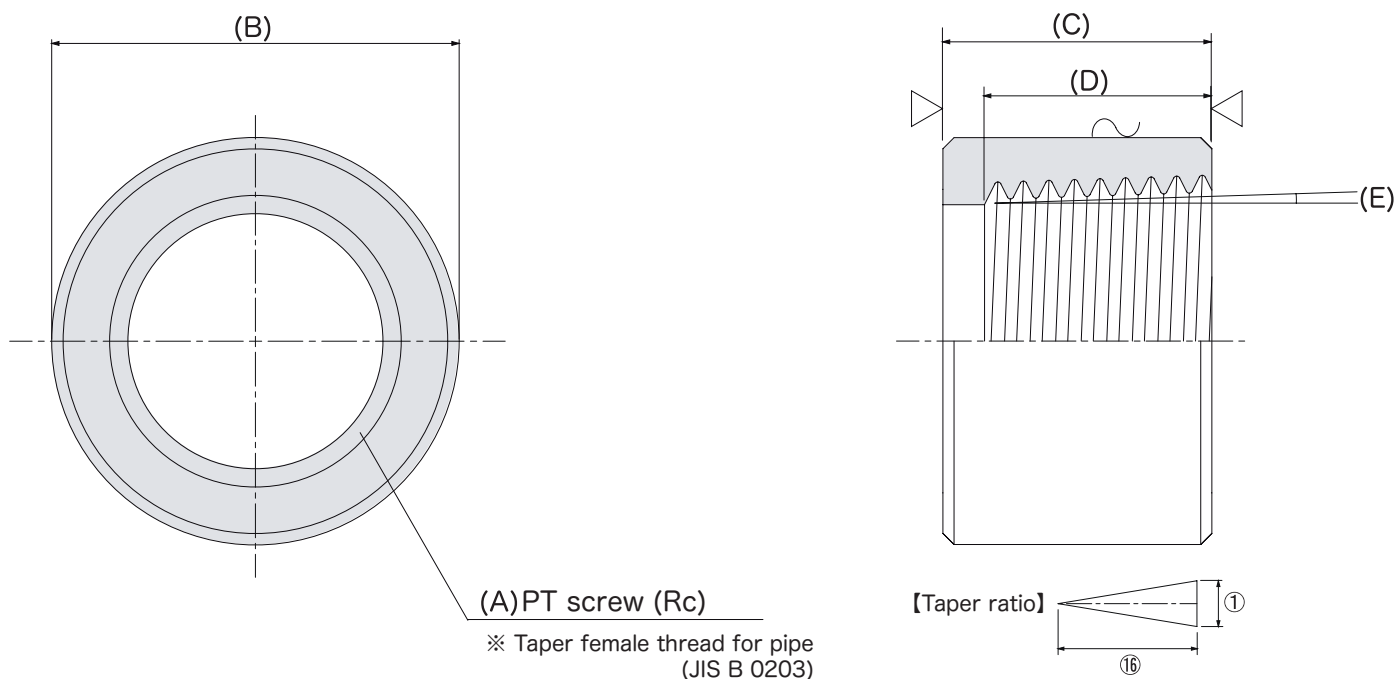


## 【Detailed view of screw】

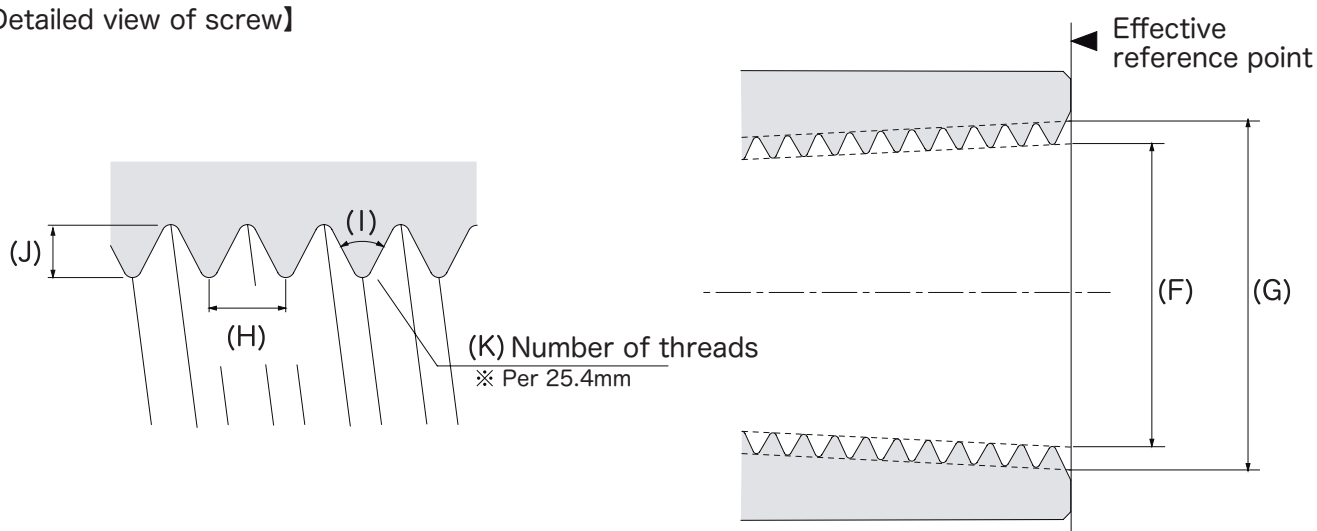


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	15	19	22	27	33	40	49	55.5	68	83	97	125
C	length	23	29	30	38	40	45	51	54	64	73	81	93
D	Screw dimensions	7.4	9.5	10	13	14.5	16.5	19	19	23	26.7	29.8	35.8
E	Taper angle	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899
F	Effective diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
G	Effective valley diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
H	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
I	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
J	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
K	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11



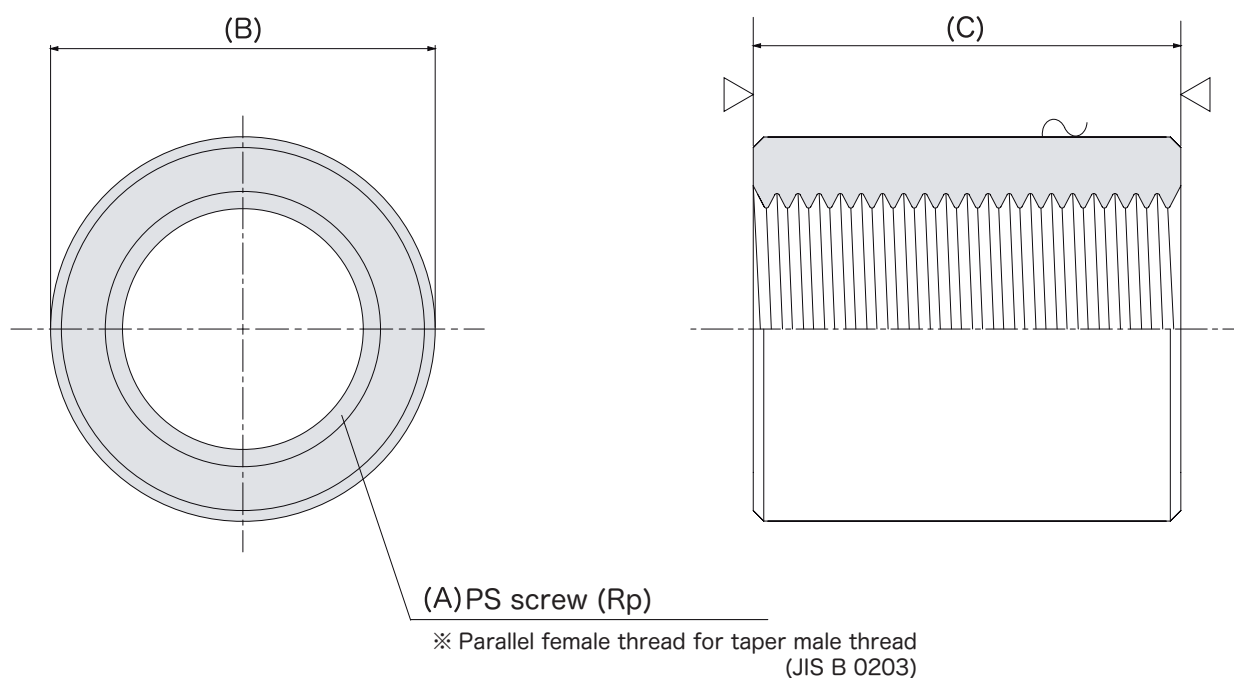
## 【Detailed view of screw】



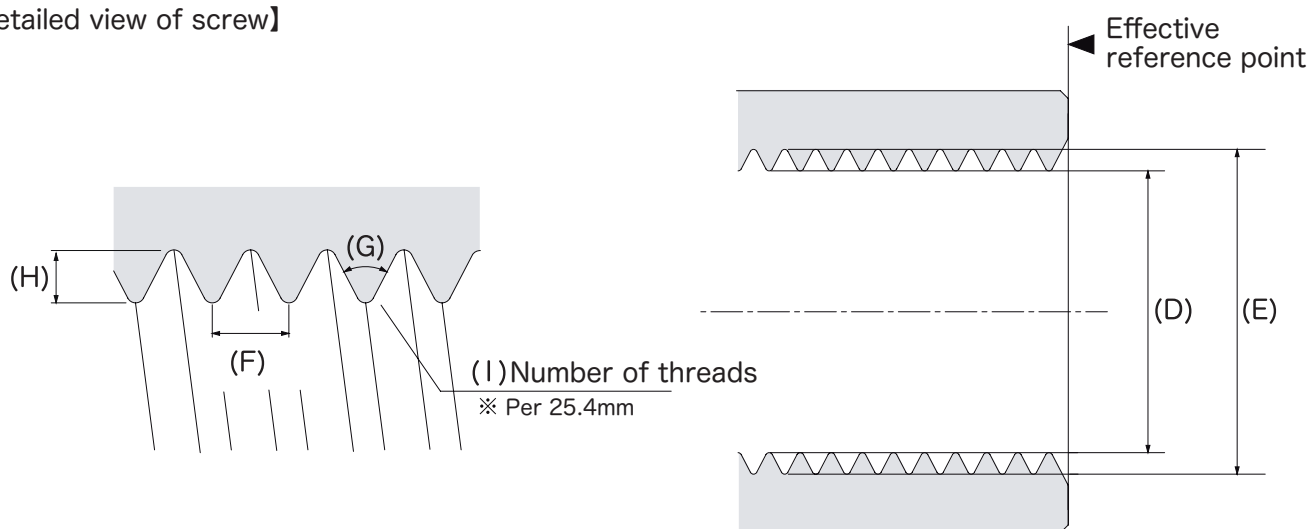
※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	15	19	22	27	33	40	49	55.5	68			
C	length	15	18	18	21	21	25	27	27	32			
D	Screw dimensions	7.4	9.5	10	13	14.5	16.5	19	19	23			
E	Taper angle	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899	1.7899			
F	Effective diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656			
G	Effective valley diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614			
H	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091			
I	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°			
J	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479			
K	Number of threads	28	19	19	14	14	11	11	11	11			



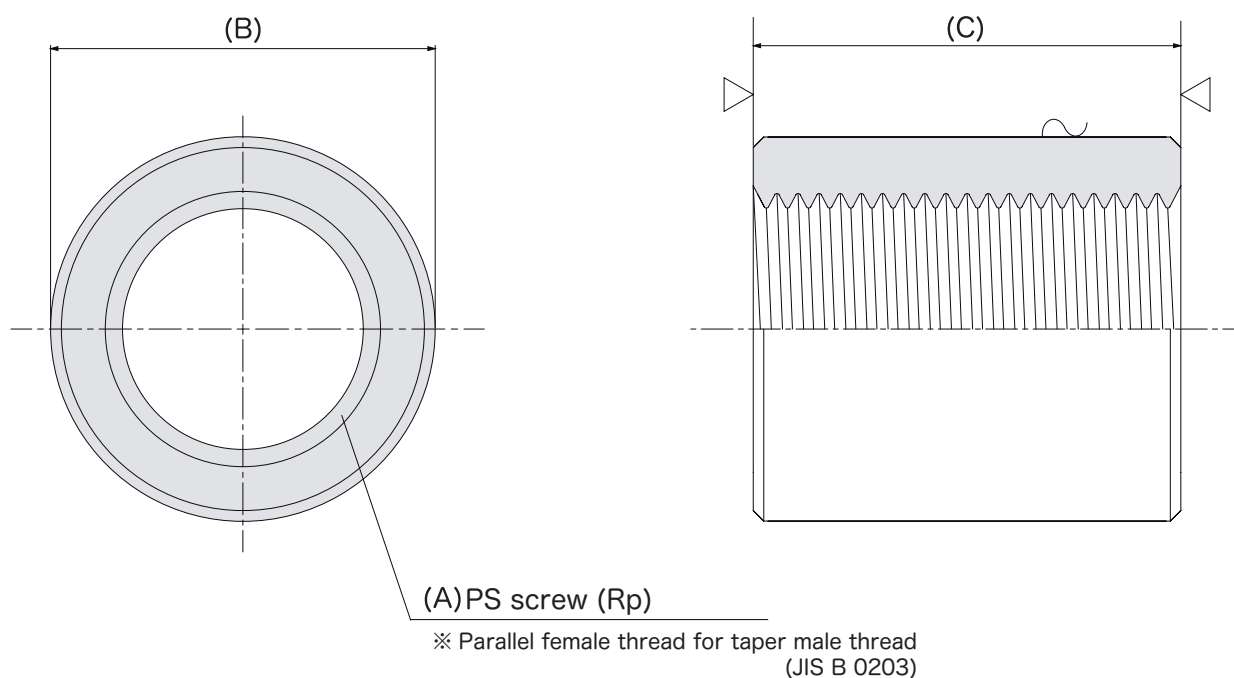


## 【Detailed view of screw】

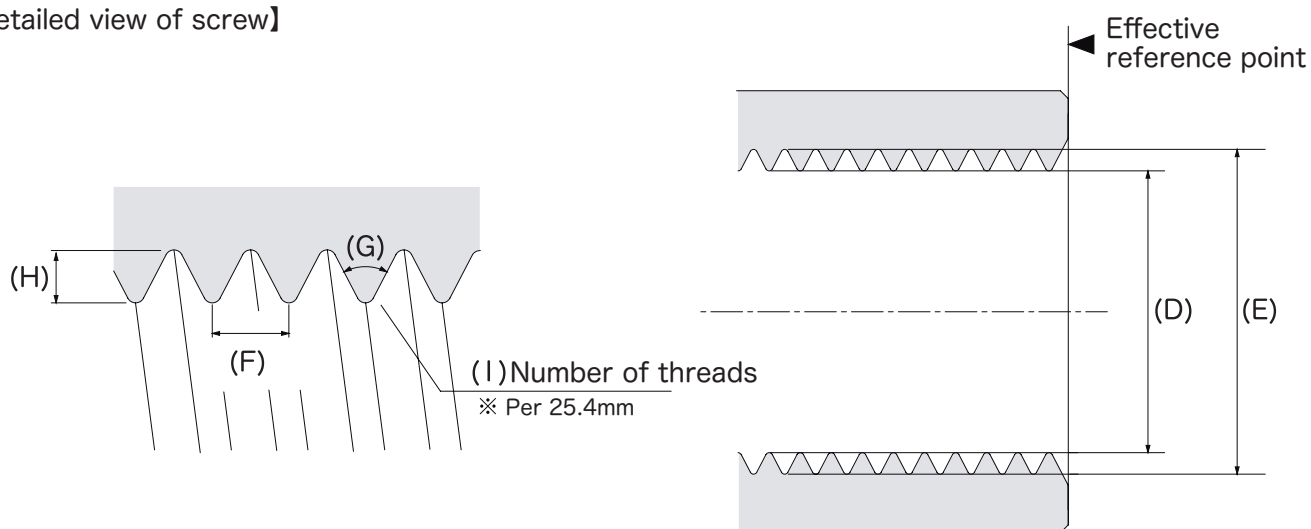


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter( $\Phi$ )		19	23	28	34.5	41.5	51	58	70			
C	length		27	28	37	39	46	51	51	60			
D	Effective diameter( $\Phi$ )		11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656			
E	Effective valley diameter( $\Phi$ )		13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614			
F	Screw pitch		1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091			
G	Thread angle		55°	55°	55°	55°	55°	55°	55°	55°			
H	Thread height		0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479			
I	Number of threads		19	19	14	14	11	11	11	11			

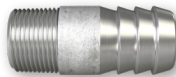

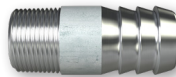


## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A	125A	150A
B	Outer diameter(Φ)	15	19	23	28	34.5	41.5	51	58	70	87	102	127	154	180
C	length	19	27	28	37	39	46	51	51	60	69	75	87	96	96
D	Effective diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072	135.472	160.872
E	Effective valley diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03	138.43	163.83
F	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
G	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
H	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479	1.479
I	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11	11	11

Material		Equivalent to carbon steel pipes (JIS G3452)		SUS304 Stainless steel pipes (JIS G3459) equivalent
Product		White	Unichrome	SUS304
Shape				
6A	1/8B	\$1.64 960 (240×4)	\$1.83 960 (240×4)	\$5.36 600 (100×6)
8A	1/4B	\$1.64 720 (180×4)	\$1.83 720 (180×4)	\$5.36 600 (100×6)
10A	3/8B	\$1.64 480 (120×4)	\$1.83 480 (120×4)	\$5.36 400 (100×4)
15A	1/2B	\$2.15 160 (40×4)	\$2.33 160 (40×4)	\$6.82 300 (50×6)
20A	3/4B	\$2.89 120 (30×4)	\$3.15 120 (30×4)	\$7.27 200 (50×4)
25A	1B	\$3.65 90 (45×2)	\$4.02 90 (45×2)	\$10 170
32A	1 1/4B	\$5.4 70 (35×2)	\$5.91 70 (35×2)	\$16.09 85
40A	1 1/2B	\$6.53 50 (25×2)	\$7.16 50 (25×2)	\$17.73 60
50A	2B	\$8.78 30 (15×2)	\$9.67 30 (15×2)	\$21.82 40
65A	2 1/2B	\$20.33 12	\$22.34 12	\$66.55 12
80A	3B	\$22.84 9	\$25.09 9	\$79.73 9
100A	4B	\$29.75 5	\$32.62 5	\$112.64 5

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

#### ▼ Product Features

Used as a joint adapter to connect pipes and hoses. One side has a tapered male thread (R) for pipes and is joined to a screwed-in fitting. The other side is shaped like a bamboo shoehorn, which is difficult to detach when inserting a hose. Final tightening is done with a hose band, and then the installation is complete.

#### ▼ 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.

#### ▼ Joining

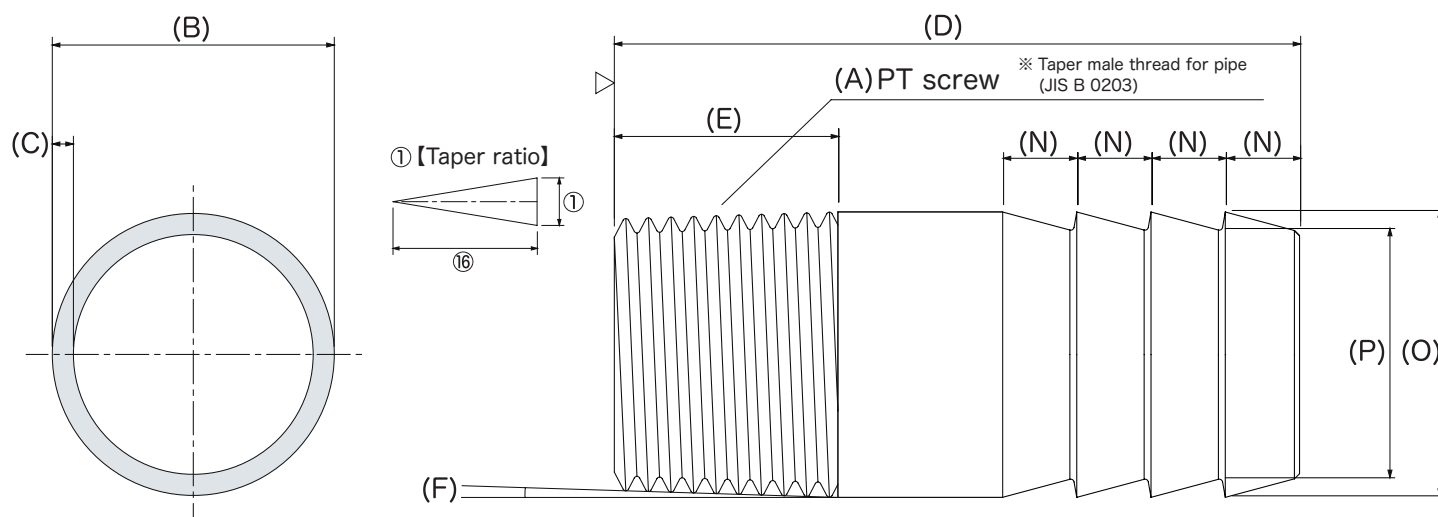
When tightening, after tightening by hand, it is necessary to use a tool such as a pipe wrench to apply torque. However, even if the screws are tightened firmly, a space will be left between the top of the mountain and the bottom of the valley, and it will not be completely airtight. Therefore, it is 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.

#### ▼ Detailed Specifications for Each Steel Pipe

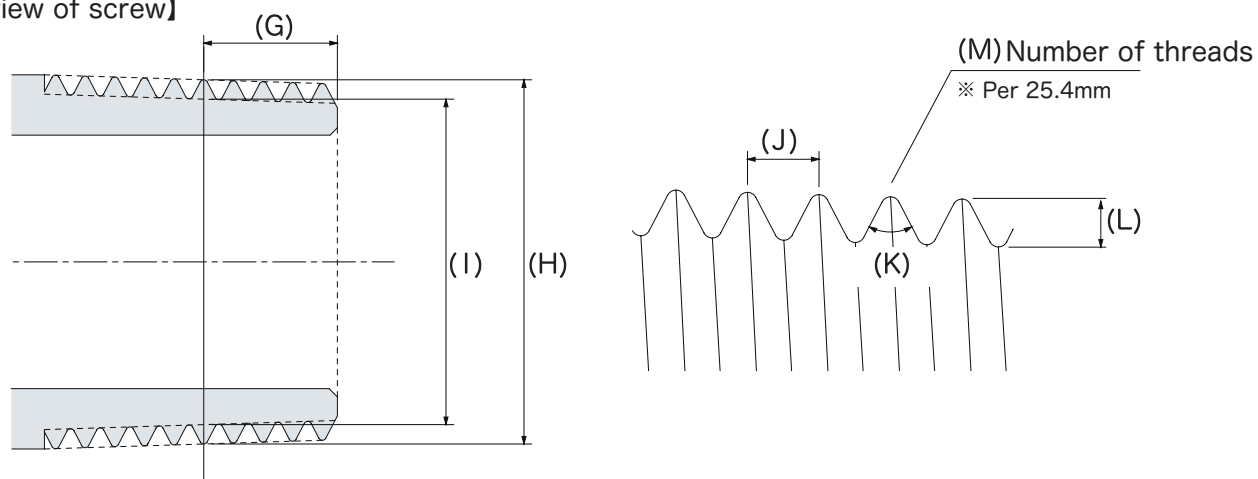
name of product	Standard Details
White	Carbon steel pipe for piping(G3452) SGP white pipe Forged pipe(B) equivalent
Unichrome	Black carbon steel pipe (G3453) SGP black pipe or equivalent, electroplated with unichrome
SUS304	Stainless steel pipes (G3459) Equivalent to SUS304TP-A

#### ▼ Chemical Composition

Type	Symbol	Chemical composition (%)							
		C	Si	Mn	P	S	Ni	Cr	Mo
White	SGP	-	-	-	0.040 or less	0.040 or less	-	-	-
Unichrome	SGP	-	-	-	0.040 or less	0.040 or less	-	-	-
SUS304	SUS304TP	0.08 or less	1.0 or less	2.0 or less	0.045 or less	0.030 or less	8.0 to 11.0	18.0 to 20.0	-

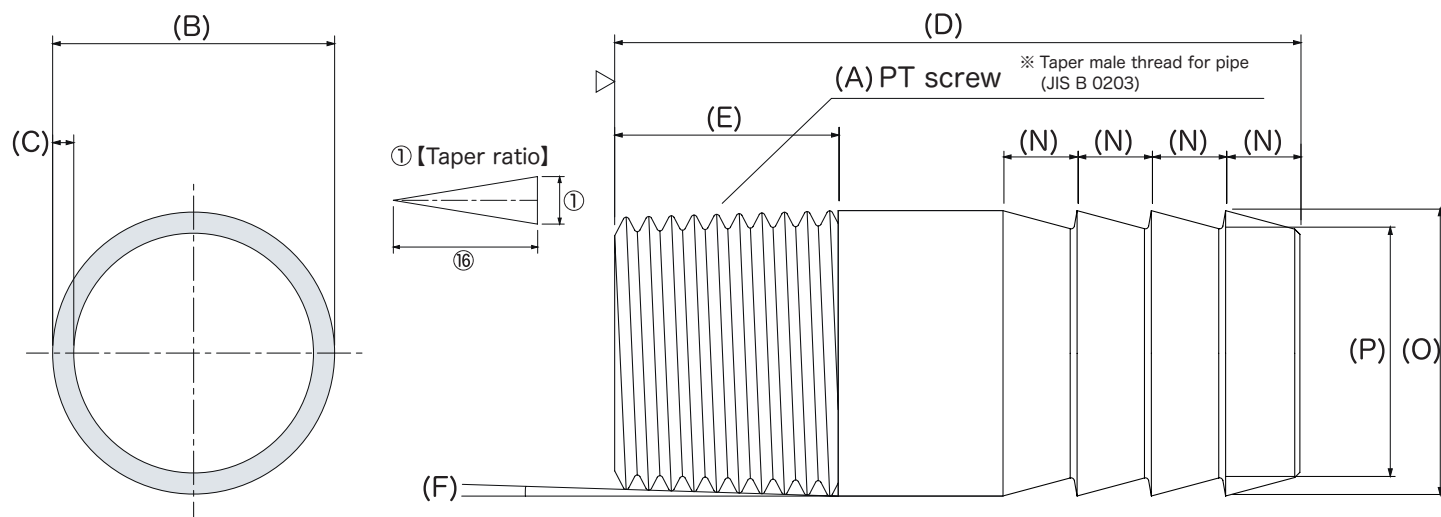


## 【Detailed view of screw】

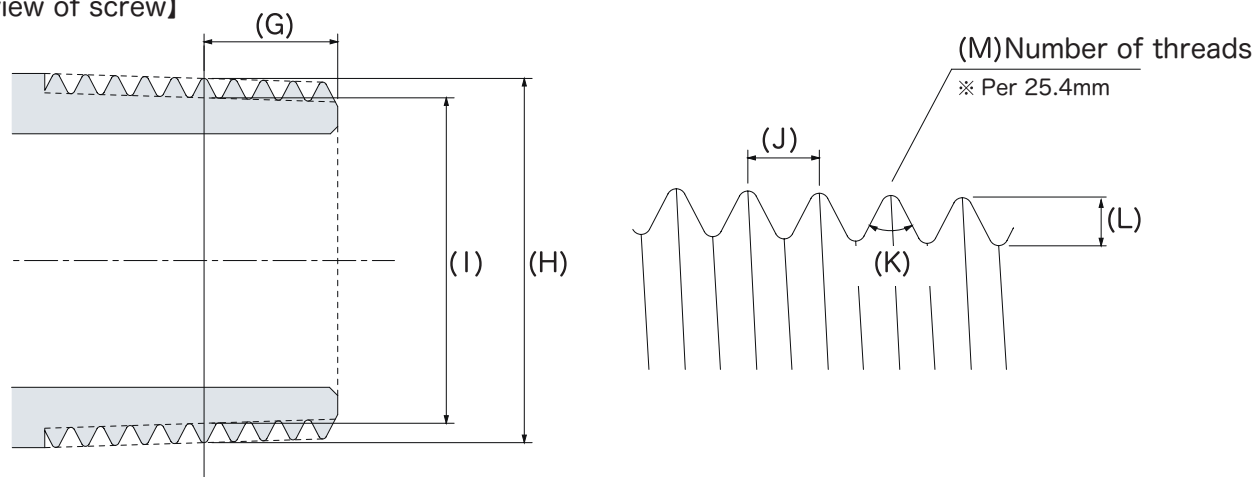


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.0	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.2
D	Length	65.0	65.0	65.0	100.0	100.0	100.0	125.0	125.0	125.0	150.0	150.0	150.0
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11
N	Hose Mountain Pitch	6.0	6.0	7.0	8.0	8.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0
O	Hose diameter	10.3	13.6	17.1	21.5	27.0	33.8	42.5	48.4	60.3	76.1	88.9	114.1
P	Hose valley diameter	8.9	12.2	15.5	19.6	25.1	31.9	40.1	46.0	57.9	73.5	86.3	111.5



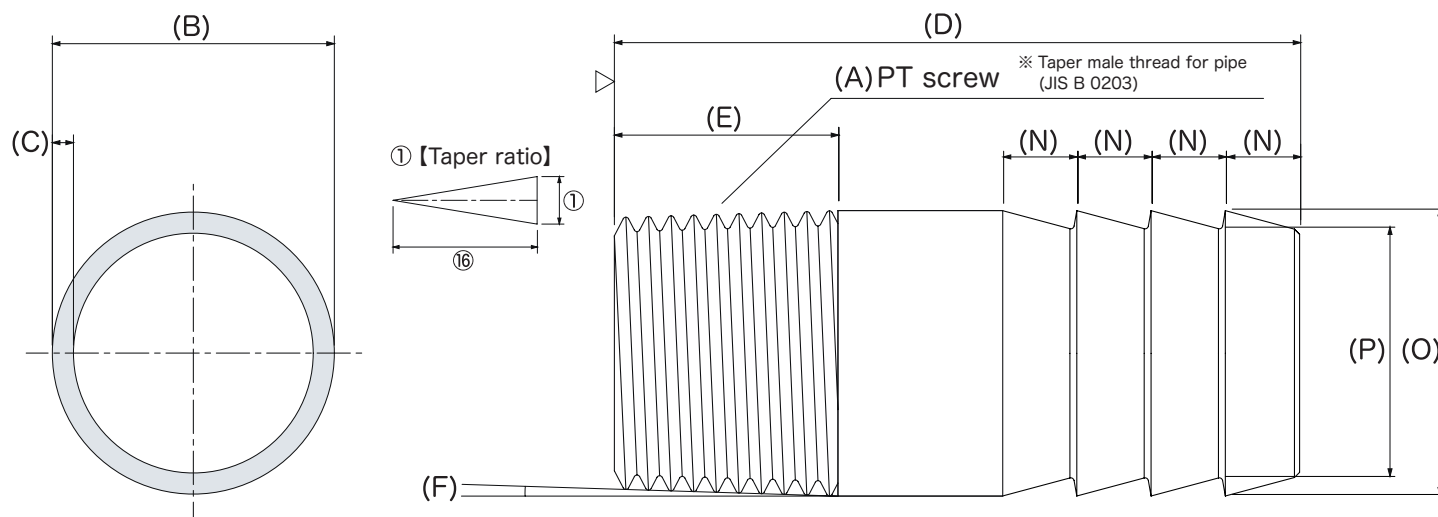
## 【Detailed view of screw】



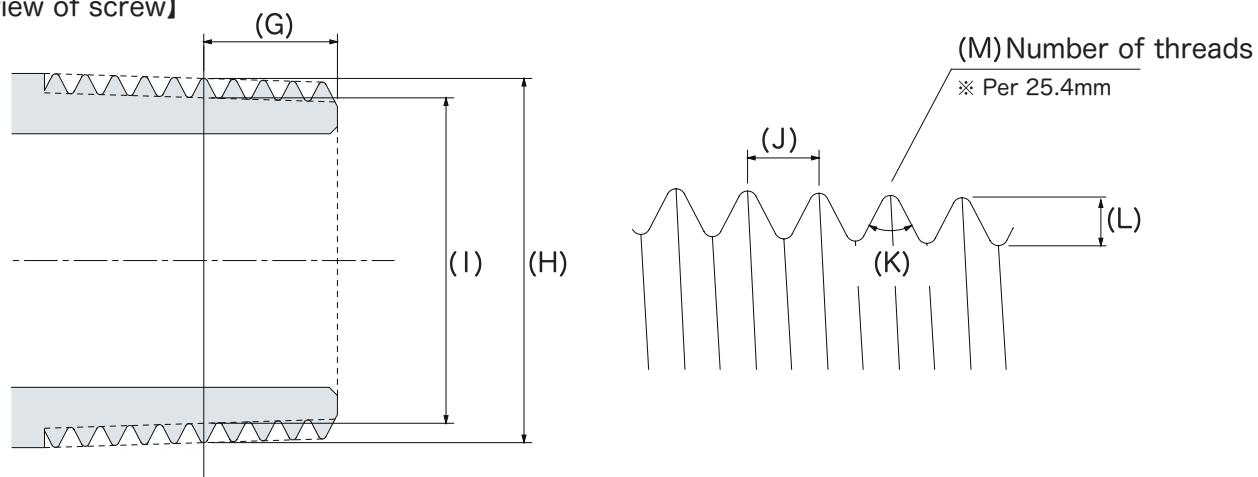
※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.0	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8	4.2	4.2	4.2
D	Length	65	65	65	90	90	90	105	110	127	150	150	150
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11
N	Hose Mountain Pitch	6.0	6.0	7.0	8.0	8.0	10.0	10.0	10.0	10.0	11.0	11.0	11.0
O	Hose diameter	10.3	13.6	17.1	21.5	27.0	33.8	42.5	48.4	60.3	76.1	88.9	114.1
P	Hose valley diameter	8.9	12.2	15.5	19.6	25.1	31.9	40.1	46.0	57.9	73.5	86.3	111.5





## 【Detailed view of screw】



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
B	Outer diameter(Φ)	10.5	13.8	17.3	21.7	27.2	34.0	42.7	48.6	60.5	76.3	89.1	114.3
C	Thickness(t)	2.0	2.0	2.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0
D	Length	41.0	41.0	42.0	52.0	55.0	60.0	66.0	70.0	80.0	150.0	150.0	150.0
E	Screw dimensions	11.5	12.5	13.5	16.5	18.5	20.5	24.5	24.5	28.5	34.5	38.5	44.5
F	Taper angle	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°	1.7899°
G	Effective thread size	3.97	6.01	6.35	8.16	9.53	10.39	12.7	12.7	15.88	17.46	20.64	25.4
H	Effective diameter(Φ)	9.728	13.157	16.662	20.955	26.441	33.249	41.91	47.803	59.614	75.184	87.884	113.03
I	Effective valley diameter(Φ)	8.566	11.445	14.95	18.631	24.117	30.291	38.952	44.845	56.656	72.226	84.926	110.072
J	Screw pitch	0.9071	1.3368	1.3368	1.8143	1.8143	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091	2.3091
K	Thread angle	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°	55°
L	Thread height	0.581	0.856	0.856	1.162	1.162	1.479	1.479	1.479	1.479	1.479	1.479	1.479
M	Number of threads	28	19	19	14	14	11	11	11	11	11	11	11
N	Hose Mountain Pitch	4.3	4.3	4.3	6.0	6.0	6.0	8.0	8.0	8.0	11.0	11.0	11.0
O	Hose diameter	10.3	13.6	17.1	21.5	27.0	33.8	42.5	48.4	60.3	76.1	88.9	114.1
P	Hose valley diameter	8.9	12.2	15.5	19.6	25.1	31.9	40.1	46.0	57.9	73.5	86.3	111.5



agency



FINE NIPPLE

**NIPPLEX VIETNAM CO.,LTD.**

No3,Street 6A,VSIP,TinhPhong Commune

Son Tinh Distric, Quang Ngai Province

Tel:+84 255 3900 181 Fax:+84 255 3900 182



#### handling instructions

1. Clean the thread and inside of the pipe before piping.  
Dirt and foreign substances such as dirt and dust can cause leakage and clogging.
2. Do not allow any sealing tape or other substances to enter the pipe during piping.
3. Do not use the product for purposes other than those specified.
4. Be careful not to apply excessive torque or over-tighten screws.