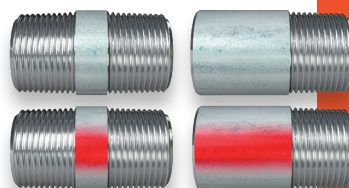


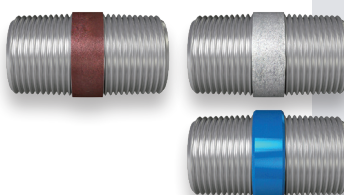
For agency



Steel Pipe Nipple



Stainless Pipe Nipple



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



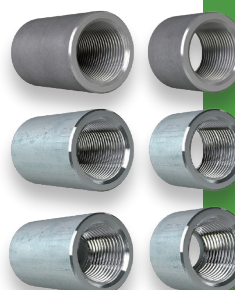
## Standard products General catalog

### Standard price list

The price does not include consumption tax  
- December 2019 Correction -



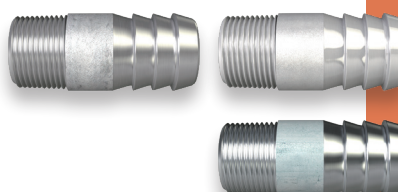
Pressure Pipe Nipple



Steel Standard Socket  
Stainless Standard Socket



Steel Pipe Standard Bend



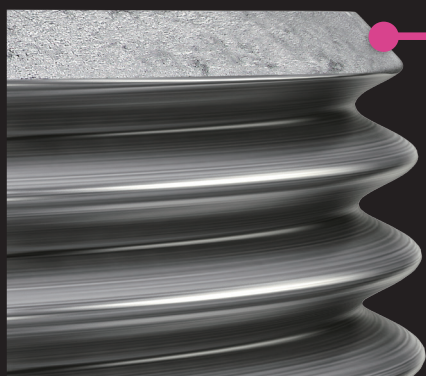
Standard Hose Nipple



Special of

1

## No wrinkles



Outside  
chamfer

With conventional products, it may be difficult to fit the joint due to twisting or turning of the thread at the groove. This product has been reviewed and added one more process after the cutting process, and a large 45 degree groove processing is applied. This enables "smooth screwing".

Special of

2

## No burr



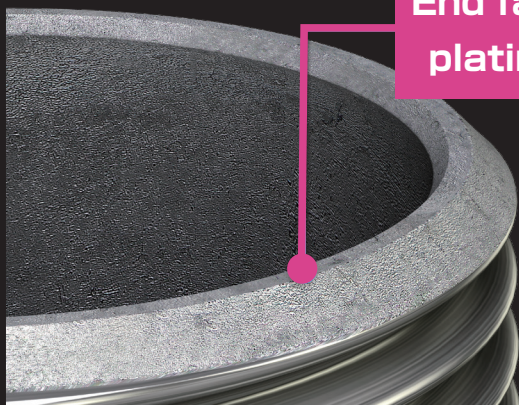
Inner  
chamfer

Conventional cutting methods using rotary cutters produce sharp internal burrs. It must also be scraped off with a reamer to remove the burrs, which can result in "deep rough" scratches on the inner surface. In order to solve this problem, this product simply cuts with a metal saw to minimize the occurrence of internal burrs, and then chamfers the lathe and keeps it to "slight thread chamfering" to create a "beautiful inner Chamfering" has been realized.

Special of

3

## No Rust

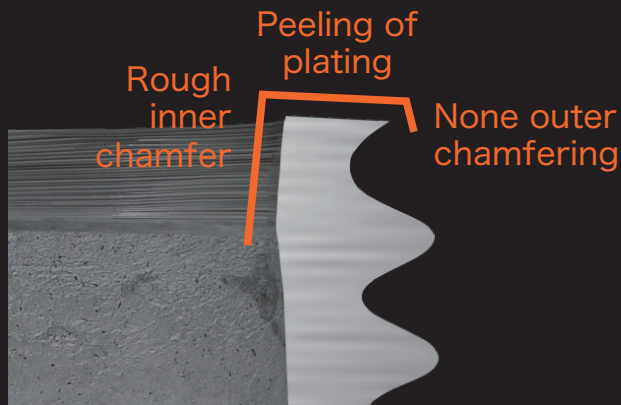


End face  
plating

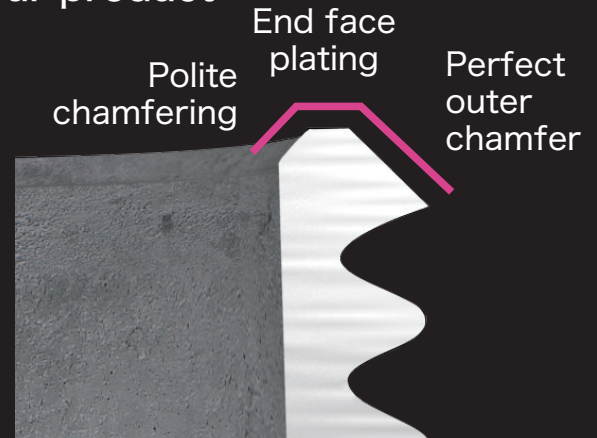
In this product, we focused on the pretreatment before cutting the screw. Until now, long plated pipes were cut into nipples. Naturally, in this manufacturing method, the cut end face and the inner chamfered part that scraped off the internal burrs were in a "no plating" state, creating rust. For this product, we decided to finish the inner and outer chamfers after cutting, and then individually plate each one. This pretreatment before cutting the screw is the biggest feature of the special white standard nipple, except for the threaded part.

## Difference between the conventional product and this product

### Other product



### Our product



Since conventional products are nipples that give top priority to cost performance for housing equipment piping, mass production type processing methods must be selected. For this reason, quality such as "rough chamfering", "screw thread twist" and "plating peeling" are commonplace. Although this product can be used for housing equipment piping, it has been finished as a "nipple ideal for machinery equipment piping". What is required of nipples that will be part of machinery and equipment piping? It is not just that piping can be made, and as long as the nipple itself becomes part of equipment, it is not ashamed to touch the eyes of the end user. It must be beauty. For this reason, this product is particular about "outer surface, inner surface, and end surface".

## White standard nipple product

### ▼ Overview

This is an external thread type pipe joint that requires a tapered male thread (nominal: R or PT).

### ▼ Examples of main usage

For indoor fire hydrant piping, sprinkler indoor sprinkling equipment piping and foam digestion piping, general gas piping, for general air piping or general air conditioning piping for distributing air under pressure from compressors, etc.  
Piping for flowing fluids of various machinery and equipment, for structural pipes for the purpose of protecting one structural part, wiring, etc., and for structural members such as handrails and fences

### ▼ Recommended working pressure

Airtightness:  
Below 0.5MPa  
(about 5kgf / cm<sup>2</sup>) air pressure

Pressure resistance:  
Less than 2.5MPa  
(about 25kgf / cm<sup>2</sup>) water pressure

### ▼ About inspection of screw

All thread inspections are performed using a taper thread gauge specified in the standard number JIS B0253 defined by the Japanese Industrial Standards (JIS standard). (Incidentally, the inspection gauge manufacturer we use is manufactured by OSG.)

### ▼ Features of taper pipe threads (JIS B 0203)

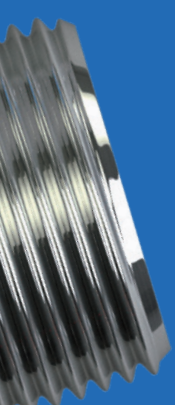
Applicable to threads whose main purpose is the tightness of threads when joining pipes, pipe components, fluid equipment, etc. The screw shape is an eight figure with an angle of about 3.6° from the tip of the screw to the end of the screw. The tip of the screw is the thinnest and the end of the screw is the thickest. Therefore, as the screw is tightened, the screw thread gradually intersects with the other thread, and when the torque is applied at the end, the threads are engaged with each other, filling the gap and sealing the inside and outside of the tube. Secure. Unlike a straight screw, once it is tightened with torque, the thread is worn when it is next loosened. It is not suitable for use in places where it is tightened many times.





**NIPPLEX**

FINE NIPPLE



Impressive quality, nowhere else.  
New value is beyond the common sense

## ■ Steel Pipe Nipple

price list	6p
specification	7p

## ■ Stainless Pipe Nipple

[SUS304 Standard nipple]	
price list	8p
specification	9p
[SUS316 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

price list	18p
specification	19p

## ■ Standard Socket


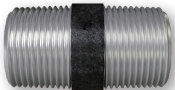
price list	20p
[Steel Standard Socket]	
specification: Straight	21p
specification: Half	22p
[Stainless Standard Socket]	
specification: Straight	23p
specification: Half straight	24p
specification: Taper	25p
specification: Half taper	26p
specification: JIS socket	27p

## ■ Steel Pipe Standard Bend

price list	28p
specification: Bend 45°	29p
specification: Bend 90°	30p
specification: Bend 180°	31p

## ■ Standard Hose Nipple

price list	32p
[Standard hose nipple made of steel pipe]	
specification: White	33p
specification: Unichrome	34p
[Stainless steel standard hose nipple]	
specification: SUS304	35p

Material		Carbon steel pipe for piping (SGP) JIS standard number G3452 equivalent [White product (with galvanized) / Black product (without plating)]															
Product		Pipe nipple															
Shape		 White  Black															
Diameter	Length	Short nipple	50mm	65mm	75mm	85mm	100mm	110mm	125mm	135mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm
		Close				90mm		115mm		140mm							
6A	1/8B	\$0.71 (4000 1000×4)	\$0.76 (1280 320×4)	\$0.87 (960 240×4)	\$1.04 (800 200×4)	\$1.18 (640 160×4)	\$1.27 (640 160×4)	\$1.45 (480 120×4)	\$1.58 (480 120×4)	\$1.81 (480 120×4)	\$1.96 (480 120×4)	\$2.38 (240 60×4)	\$2.8 (240 60×4)	\$3.08 (200 100×2)	\$3.36 (200 100×2)	\$3.7 (160)	\$4.04 (160)
8A	1/4B	\$0.71 (2000 500×4)	\$0.76 (960 240×4)	\$0.87 (720 180×4)	\$1.04 (560 140×4)	\$1.18 (400 100×4)	\$1.27 (400 100×4)	\$1.45 (320 80×4)	\$1.58 (320 80×4)	\$1.81 (320 80×4)	\$1.96 (320 80×4)	\$2.38 (240 60×4)	\$2.8 (240 60×4)	\$3.08 (200 100×2)	\$3.36 (200 100×2)	\$3.7 (160)	\$4.04 (160)
10A	3/8B	\$0.71 (1200 300×4)	\$0.76 (640 160×4)	\$0.87 (480 120×4)	\$1.04 (400 100×4)	\$1.18 (320 80×4)	\$1.27 (320 80×4)	\$1.45 (240 60×4)	\$1.58 (240 60×4)	\$1.81 (240 60×4)	\$1.96 (240 60×4)	\$2.38 (180 45×4)	\$2.8 (180 45×4)	\$3.08 (150 75×2)	\$3.36 (150 75×2)	\$3.7 (130)	\$4.04 (130)
15A	1/2B	\$0.71 (600 150×4)	\$0.76 (400 100×4)	\$0.87 (320 80×4)	\$1.04 (280 70×4)	\$1.18 (160 40×4)	\$1.27 (160 40×4)	\$1.45 (160 40×4)	\$1.58 (160 40×4)	\$1.81 (120 30×4)	\$1.96 (120 30×4)	\$2.38 (120 30×4)	\$2.8 (120 30×4)	\$3.08 (50)	\$3.36 (50)	\$3.7 (50)	\$4.04 (50)
20A	3/4B	\$0.76 (400 100×4)	\$0.87 (280 70×4)	\$1.24 (200 50×4)	\$1.27 (160 40×4)	\$1.55 (120 30×4)	\$1.75 (120 30×4)	\$1.96 (100 25×4)	\$2.11 (100 25×4)	\$2.28 (80 20×4)	\$2.4 (80 20×4)	\$2.98 (80 20×4)	\$3.56 (80 20×4)	\$3.88 (50)	\$4.2 (50)	\$4.62 (50)	\$5.04 (50)
25A	1B	\$1.07 (200 100×2)	\$1.24 (200 100×2)	\$1.44 (140 70×2)	\$1.75 (120 60×2)	\$2.04 (90 45×2)	\$2.24 (90 45×2)	\$2.52 (80 40×2)	\$2.71 (80 40×2)	\$3 (80 40×2)	\$3.2 (80 40×2)	\$4.22 (60 30×2)	\$5.24 (60 30×2)	\$5.73 (30)	\$6.22 (30)	\$6.7 (30)	\$7.18 (30)
32A	1 1/4B	\$1.75 (120 60×2)		\$2.11 (100 50×2)	\$2.27 (80 40×2)	\$2.66 (70 35×2)	\$2.93 (70 35×2)	\$3.31 (70 35×2)	\$3.56 (70 35×2)	\$3.95 (60 30×2)	\$4.2 (60 30×2)	\$5.53 (40)	\$6.85 (40)	\$7.36 (35)	\$7.87 (35)	\$8.62 (30)	\$9.36 (30)
40A	1 1/2B	\$2 (100 50×2)		\$2.44 (70 35×2)	\$2.8 (60 30×2)	\$3.23 (50 25×2)	\$3.51 (50 25×2)	\$3.99 (50 25×2)	\$4.31 (50 25×2)	\$4.84 (40 20×2)	\$5.18 (40 20×2)	\$6.47 (36)	\$7.76 (36)	\$8.78 (28)	\$9.8 (28)	\$10.28 (20)	\$10.76 (20)
50A	2B	\$3 (64 32×2)		\$3.27 (60 30×2)	\$3.78 (48 24×2)	\$4.36 (40 20×2)	\$4.75 (40 20×2)	\$5.41 (30 15×2)	\$5.85 (30 15×2)	\$6.55 (30 15×2)	\$7.02 (30 15×2)	\$8.96 (20)	\$10.91 (20)	\$11.82 (18)	\$12.73 (18)	\$13.56 (15)	\$14.4 (15)
65A	2 1/2B	\$7.05 (36)				\$9.28 (24)	\$10.4 (24)	\$11.07 (24)	\$11.53 (24)	\$12.68 (18)	\$13.45 (18)	\$14.24 (12)	\$15.02 (12)	\$18.09 (9)	\$21.16 (9)	\$22.32 (9)	\$23.47 (9)
80A	3B	\$8.87 (24)					\$11.18 (16)	\$12.55 (16)	\$13.45 (16)	\$14.39 (12)	\$15.02 (12)	\$16.34 (9)	\$17.65 (9)	\$21.51 (6)	\$25.36 (6)	\$26.75 (6)	\$28.15 (6)
100A	4B	\$13.31 (10)					\$15.02 (10)	\$16.15 (10)	\$16.91 (10)	\$18.53 (8)	\$19.6 (8)	\$22.48 (5)	\$25.36 (5)	\$29.02 (4)	3594円 (4)	\$34.87 (4)	\$37.07 (4)
125A	5B	\$19.73 (4)							\$22.73 (4)	\$24.82 (4)	\$26.22 (4)	\$30 (3)	\$33.78 (3)	\$39.63 (2)	\$45.47 (2)	\$48.72 (2)	\$51.96 (2)
150A	6B	\$26.58 (4)							\$29.05 (4)	\$31.89 (2)	\$33.78 (2)	\$38.92 (2)	\$44.05 (2)	\$50.71 (2)	\$57.36 (2)	\$62.18 (1)	\$67 (1)

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

## ▼ Overview

This is an external thread type pipe joint that requires a tapered male thread (nominal: R or PT).

## ▼ Main usage examples

For indoor fire hydrant piping, sprinkler indoor sprinkling equipment piping and foam digestion piping, general gas piping, for general air piping or general air conditioning piping for distributing air under pressure from compressors, etc. For piping for flowing fluids of various mechanical equipment, or for structural pipes for the purpose of protecting structural parts, wiring, etc., and for structural members such as handrails and fences.

## ▼ Type, symbol, chemical composition

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

## ▼ About inspection of screw

All screw inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). (Incidentally, the inspection gauge manufacturer we use is made by OSG.)

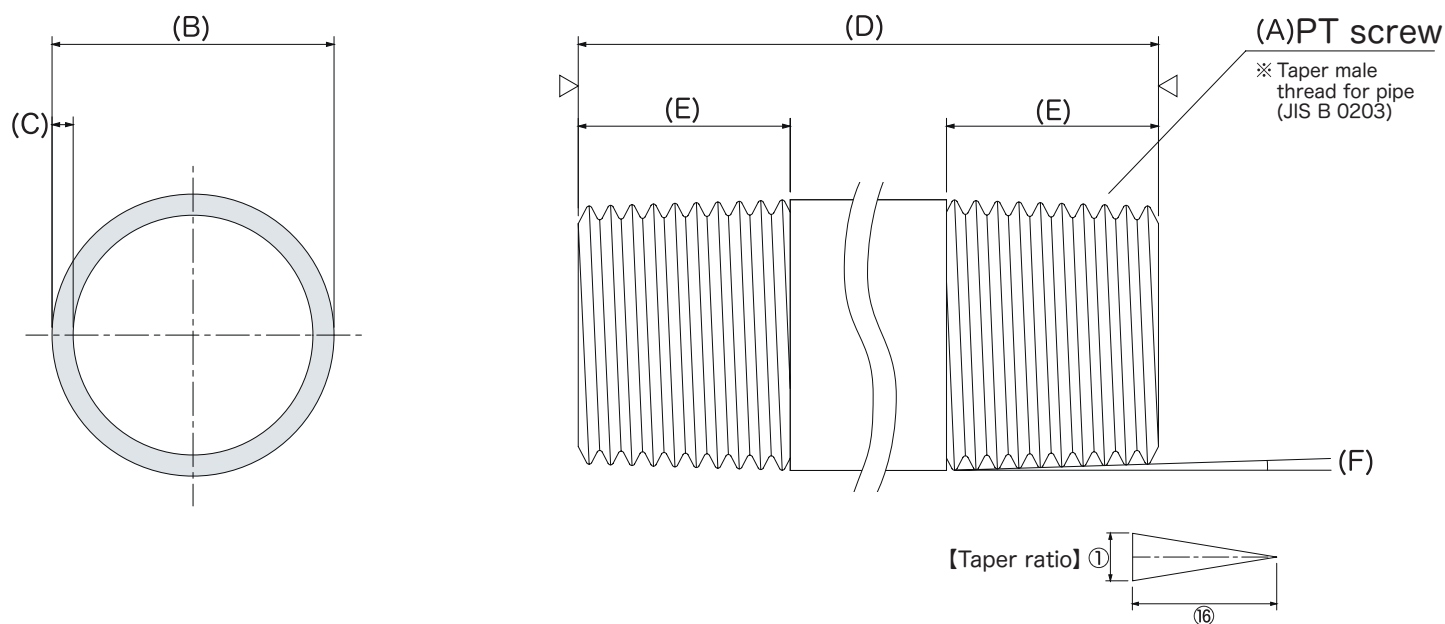
## ▼ Features of taper screw for pipe (JIS B0203)

Applicable to threads whose main purpose is the tightness of threads when joining pipes, pipe components, fluid equipment, etc. The screw shape is an eight figure with an angle of about 3.6 ° from the tip of the screw to the end of the screw. The tip of the screw is the thinnest and the end of the screw is the thickest. Therefore, as the screw is tightened, the thread gradually crosses the thread on the other side, and when the torque is applied at the end, the threads are engaged with each other, filling the gap and sealing the inside and outside of the tube. Secure. Unlike a straight screw, once it is tightened with torque, the thread will be worn when it is next loosened. It is not suitable for use in places where it is tightened many times.

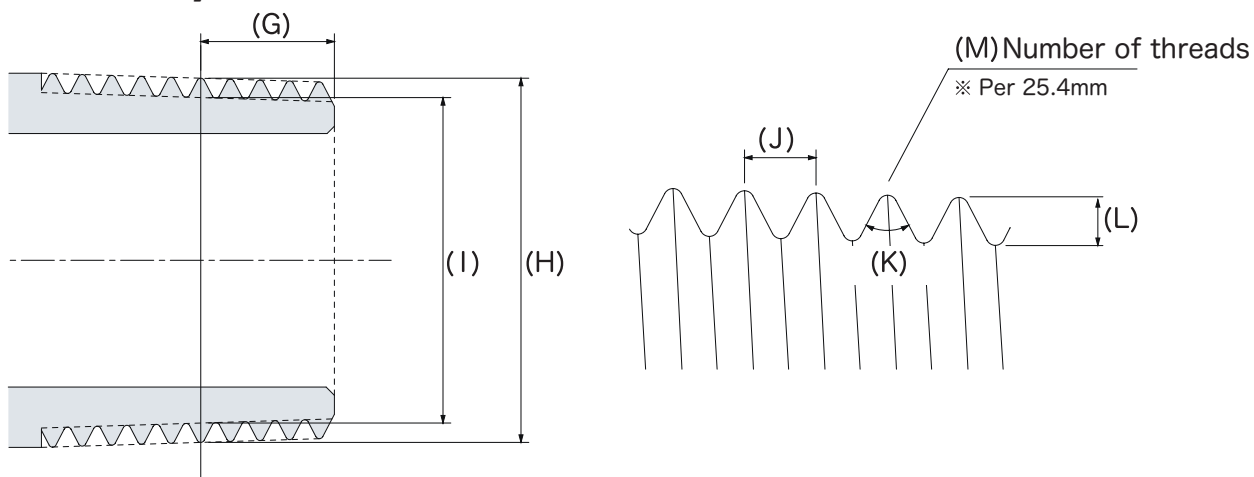
## ▼ Recommended working pressure

Airtightness: 0.5MPa (about 5kgf / cm<sup>2</sup>) air pressure or less

Withstand pressure: 2.5MPa (about 25kgf / cm<sup>2</sup>) water pressure or less



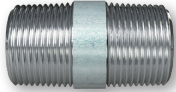
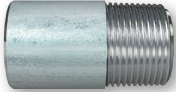
## 【Detailed view of screw】



※ 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) JIS G 3459															
Product		Pipe nipple															
Shape		 Both screws  Single screw															
Length Diameter		Short nipple	50mm	65mm	75mm	85mm	100mm	110mm	125mm	135mm	150mm	175mm	200mm	225mm	250mm	275mm	300mm
		Close				90mm		115mm		140mm							
6A	1/8B	\$2 1200 (100×12)	\$2.55 600 (100×6)	\$3.18 600 (100×6)	\$3.55 500 (100×5)	\$3.93 400 (100×4)	\$4.18 400 (100×4)	\$4.78 300 (50×6)	\$5.18 300 (50×6)	\$5.45 250 (50×5)	\$5.64 250 (50×5)	\$6.32 200 (50×4)	\$7 200 (50×4)	\$8.36 200	\$9.73 200	\$10.41 200	\$11.09 200
8A	1/4B	\$2 1200 (100×12)	\$2.55 600 (100×6)	\$3.18 600 (100×6)	\$3.55 500 (100×5)	\$3.93 400 (100×4)	\$4.18 400 (100×4)	\$4.78 300 (50×6)	\$5.18 300 (50×6)	\$5.45 250 (50×5)	\$5.64 250 (50×5)	\$6.32 200 (50×4)	\$7 200 (50×4)	\$8.36 200	\$9.73 200	\$10.41 200	\$11.09 200
10A	3/8B	\$2 800 (100×8)	\$2.55 400 (100×4)	\$3.18 400 (100×4)	\$3.55 300 (100×3)	\$3.93 250 (50×5)	\$4.18 250 (50×5)	\$4.78 200 (50×4)	\$5.18 200 (50×4)	\$5.45 150 (50×3)	\$5.64 150 (50×3)	\$6.32 150 (50×3)	\$7 150 (50×3)	\$8.36 150	\$9.73 150	\$10.41 200	\$11.09 150
15A	1/2B	\$2.55 400 (50×8)	\$3.55 300 (50×6)	\$3.73 200 (50×4)	\$4.18 200 (50×4)	\$4.56 150 (50×3)	\$4.82 150 (50×3)	\$5.85 100 (50×2)	\$6.55 100 (50×2)	\$6.93 100 (50×2)	\$7.18 100 (50×2)	\$8.09 100 (50×2)	\$9 100 (50×2)	\$10.55 60	\$12.09 60	\$13.27 50	\$14.45 50
20A	3/4B	\$2.91 300 (50×6)	\$3.73 200 (50×4)	\$4.36 200 (50×4)	\$4.64 150 (50×3)	\$5.29 100 (50×2)	\$5.73 100 (50×2)	\$6.6 80	\$7.18 80	\$8 80	\$8.55 80	\$9.5 60	\$10.45 60	\$12.27 50	\$14.09 50	\$15.45 50	\$16.82 50
25A	1B	\$4 200	\$4.55 200	\$5.36 170	\$5.91 140	\$6.73 100	\$7.27 100	\$8.36 80	\$9.09 80	\$9.91 70	\$10.45 70	\$11.73 50	\$13 50	\$15.27 40	\$17.55 40	\$19.23 40	\$20.91 35
32A	1 1/4B	\$5.73 100		\$7 85	\$8 85	\$9.09 60	\$9.82 60	\$11.35 45	\$12.36 45	\$13.56 40	\$14.36 40	\$16 30	\$17.64 30	\$20.82 20	\$24 20	\$26.23 40	\$28.45 20
40A	1 1/2B	\$6.36 80		\$7.82 60	\$8.91 60	\$10.16 45	\$11 45	\$12.53 35	\$13.55 35	\$14.58 30	\$15.27 30	\$17.55 20	\$19.82 20	\$23.14 15	\$26.45 15	\$28.73 15	\$31 15
50A	2B	\$9.18 55		\$10.27 40	\$11.45 40	\$12.93 30	\$13.91 30	\$15.87 20	\$17.18 20	\$18.82 20	\$19.91 20	\$22.18 15	\$24.45 15	\$29.09 12	\$33.73 12	\$36.68 10	\$39.64 10
65A	2 1/2B	\$16.82 24				\$22.88 18	\$25.91 18	\$29.13 15	\$31.27 15	\$34.27 12	\$36.27 12	\$41.18 9	\$46.09 9	\$53.64 7	\$61.18 7	\$66.82 6	\$72.45 6
80A	3B	\$22.09 18					\$31.91 12	\$35.73 9	\$38.27 9	\$42.15 9	\$44.73 9	\$50.5 6	\$56.27 6	\$66.41 4	\$76.55 4	\$82.77 4	\$89 4
100A	4B	\$41.64 6					\$49 6	\$53.58 5	\$56.64 5	\$68.69 5	\$76.73 5	\$78.82 3	\$80.91 3	\$97 2	\$113.09 2	\$120.5 2	\$127.91 2

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

## ▼ Overview

This is an external thread type pipe joint that requires a tapered male thread (nominal: R or PT).

## ▼ Main usage examples

For indoor fire hydrant piping, sprinkler indoor sprinkling equipment piping and foam digestion piping, general gas piping, for general air piping or general air conditioning piping for distributing air under pressure from compressors, etc. For piping for flowing fluids of various mechanical equipment, or for structural pipes for the purpose of protecting structural parts, wiring, etc., and for structural members such as handrails and fences.

## ▼ Recommended working pressure

Airtightness: 0.5MPa (about 5kgf / cm<sup>2</sup>) air pressure or less

Withstand pressure: 2.5MPa (about 25kgf / cm<sup>2</sup>) water pressure or less

## ▼ Features of taper screw for pipe (JIS B 0203)

Applicable to threads whose main purpose is the tightness of threads when joining pipes, pipe components, fluid equipment, etc. The screw shape is an eight figure with an angle of about 3.6° from the tip of the screw to the end of the screw. The tip of the screw is the thinnest and the end of the screw is the thickest. Therefore, as the screw is tightened, the thread gradually crosses the thread on the other side, and when the torque is applied at the end, the threads are engaged with each other, filling the gap and sealing the inside and outside of the tube. Secure. Unlike a straight screw, once it is tightened with torque, the thread will be worn when it is next loosened. It is not suitable for use in places where it is tightened many times.

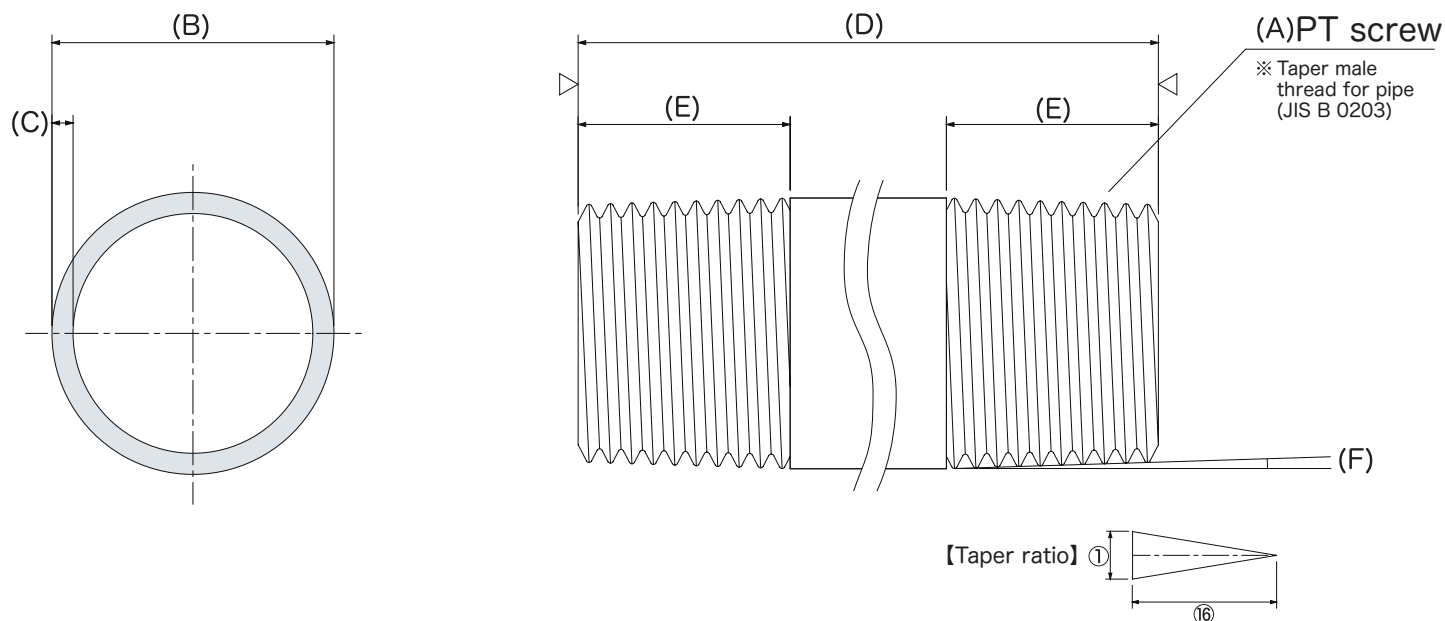
## ▼ About inspection of screw

All thread inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). (The inspection gauge manufacturer we use is OSG (OSG))

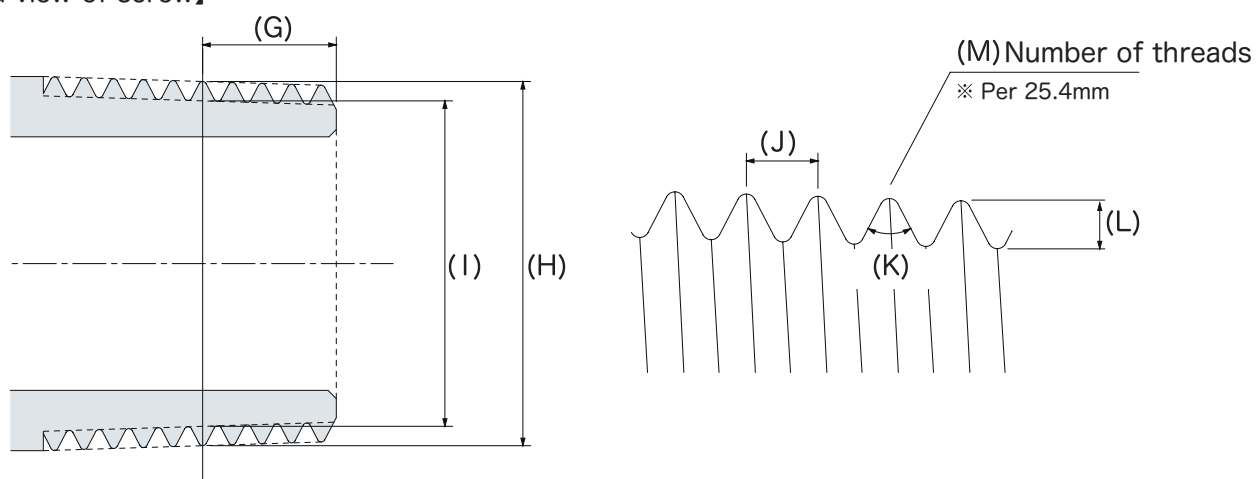
## ▼ Type, symbol, chemical composition

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	-



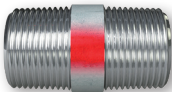
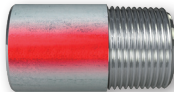


## 【Detailed view of screw】



※ 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	2.3	2.3	3.0	3.0	3.5	3.8	3.8	3.8	4.2	4.2	4.2
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) JIS G 3459									
Product		Pipe nipple									
Shape		 Both screws  Single screw									
Length Diameter		Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm	250mm	300mm
6A	1/8B	\$2.64 1200 (100×12)	\$3.36 600 (100×6)	\$4.18 600 (100×6)	\$4.64 500 (100×5)	\$5.45 400 (100×4)	\$6.82 300 (50×6)	\$7.36 250 (50×5)	\$9.18 200 (50×4)	\$12.73 200	\$14.45 200
8A	1/4B	\$2.64 1200 (100×12)	\$3.36 600 (100×6)	\$4.18 600 (100×6)	\$4.64 500 (100×5)	\$5.45 400 (100×4)	\$6.82 300 (50×6)	\$7.36 250 (50×5)	\$9.18 200 (50×4)	\$12.73 200	\$14.45 200
10A	3/8B	\$2.64 800 (100×8)	\$3.36 400 (100×4)	\$4.18 400 (100×4)	\$4.64 300 (100×3)	\$5.45 250 (50×5)	\$6.82 200 (50×4)	\$7.36 150 (50×3)	\$9.18 150 (50×3)	\$12.73 150	\$14.45 150
15A	1/2B	\$3.36 400 (50×8)	\$4.64 300 (50×6)	\$4.91 200 (50×4)	\$5.45 200 (50×4)	\$6.27 150 (50×3)	\$8.55 100 (50×2)	\$9.36 100 (50×2)	\$11.73 100 (50×2)	\$15.73 60	\$18.82 50
20A	3/4B	\$3.82 300 (50×6)	\$4.91 200 (50×4)	\$5.73 200 (50×4)	\$6.09 150 (50×3)	\$7.45 100 (50×2)	\$9.36 80	\$11.18 80	\$13.64 60	\$18.36 50	\$21.91 50
25A	1B	\$5.27 200	\$5.91 200	\$7 170	\$7.73 140	\$9.45 100	\$11.82 80	\$13.64 70	\$16.91 50	\$22.82 40	\$27.18 40
32A	1 1/4B	\$7.45 100		\$9.18 85	\$10.45 85	\$12.82 60	\$16.09 45	\$18.73 40	\$23 30	\$31.27 20	\$37 20
40A	1 1/2B	\$8.27 80		\$10.18 60	\$11.64 60	\$14.36 45	\$17.64 35	\$19.91 30	\$25.82 20	\$34.45 15	\$40.36 15
50A	2B	\$12 55		\$13.36 40	\$14.91 40	\$18.09 30	\$22.36 20	\$25.91 20	\$31.82 15	\$43.91 12	\$51.55 10
65A	2 1/2B	\$21.91 24				\$33.73 18	\$40.73 15	\$47.18 12	\$60 9	\$79.55 7	\$94.27 6
80A	3B	\$28.73 18				\$41.55 12	\$49.82 9	\$58.18 9	\$73.18 6	\$99.55 4	\$115.73 4
100A	4B	\$54.18 6				\$63.73 6	\$73.64 5	\$99.82 5	\$105.18 3	\$147.09 2	\$166.36 2

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Overview

This is an external thread type pipe joint that requires a tapered male thread (nominal: R or PT).

#### ▼ Main usage examples

For indoor fire hydrant piping, sprinkler indoor sprinkling equipment piping and foam digestion piping, general gas piping, for general air piping or general air conditioning piping for distributing air under pressure from compressors, etc. For piping for flowing fluids of various mechanical equipment, or for structural pipes for the purpose of protecting structural parts, wiring, etc., and for structural members such as handrails and fences.

#### ▼ Recommended working pressure

Airtightness: 0.5MPa (about 5kgf / cm<sup>2</sup>) air pressure or less

Withstand pressure: 2.5MPa (about 25kgf / cm<sup>2</sup>) water pressure or less

#### ▼ Features of taper screw for pipe (JIS B 0203)

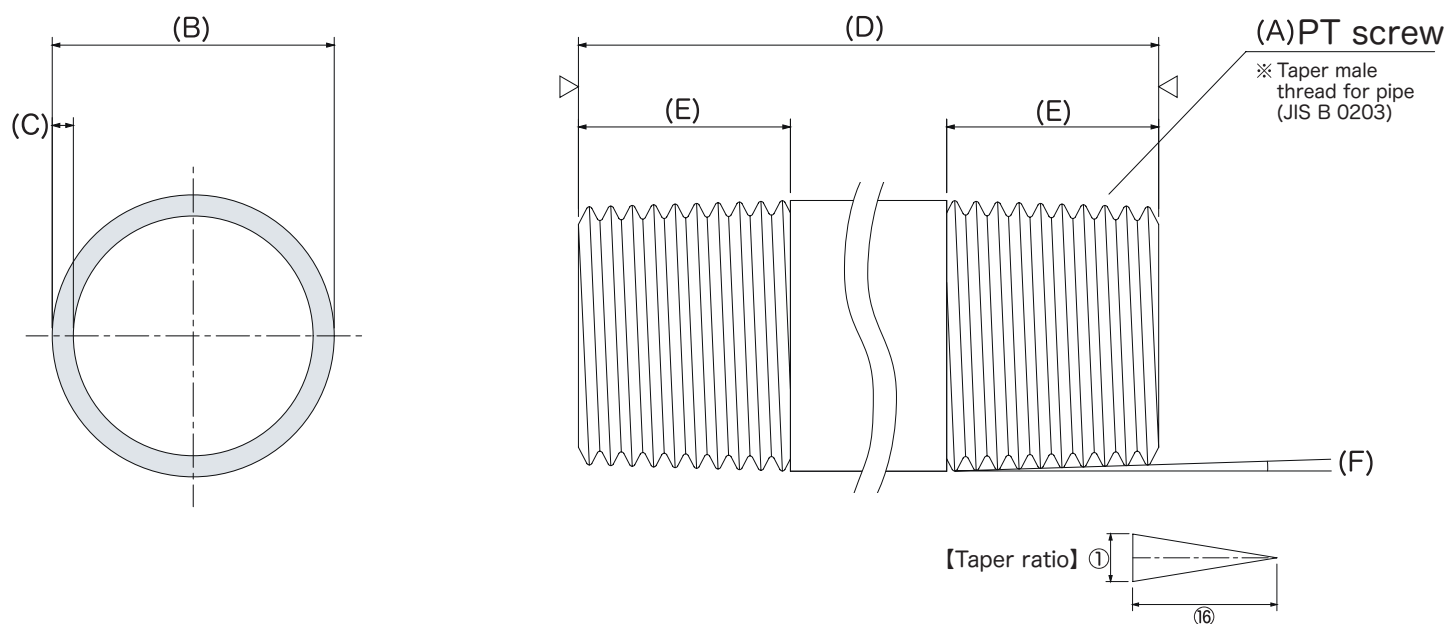
Applicable to threads whose main purpose is the tightness of threads when joining pipes, pipe components, fluid equipment, etc. The screw shape is an eight figure with an angle of about 3.6° from the tip of the screw to the end of the screw. The tip of the screw is the thinnest and the end of the screw is the thickest. Therefore, as the screw is tightened, the thread gradually crosses the thread on the other side, and when the torque is applied at the end, the threads are engaged with each other, filling the gap and sealing the inside and outside of the tube. Secure. Unlike a straight screw, once it is tightened with torque, the thread will be worn when it is next loosened. It is not suitable for use in places where it is tightened many times.

#### ▼ About inspection of screw

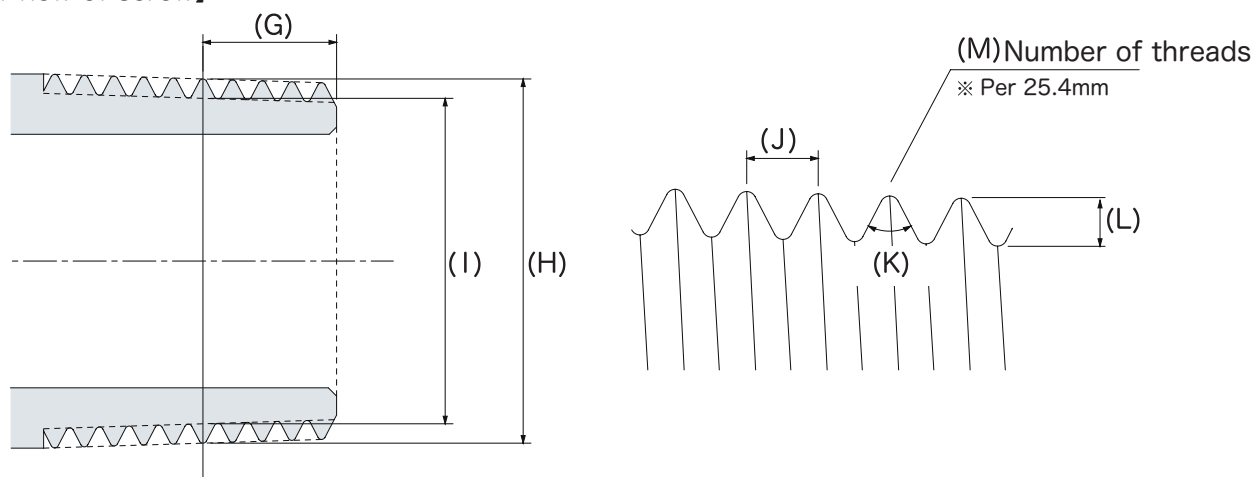
All screw inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). (Incidentally, the inspection gauge manufacturer we use is made by OSG)

#### ▼ Type, symbol, 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		Carbon steel pipe for piping Black primary rust-proof coating on the outer surface. The inner surface is coated with hard vinyl chloride resin (JIS K6742).							
Product		SGP-VA Hard PVC lined steel pipe for water supply (JWWA K116)							
Shape		 Both screws							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B	\$1.82 400	\$1.91 400 (100×4)	\$2.09 320 (80×4)	\$2.45 280 (70×4)	\$2.73 160 (40×4)	\$3.18 160 (40×4)	\$3.64 120 (30×4)	\$4.45 120 (30×4)
20A	3/4B	\$2 200	\$2.45 280 (70×4)	\$2.73 200 (50×4)	\$3 160 (40×4)	\$3.27 120 (30×4)	\$3.82 100 (25×4)	\$4.36 80 (20×4)	\$5.27 80 (20×4)
25A	1B	\$3 200	\$3.18 200 (100×2)	\$3.64 140 (70×2)	\$3.82 120 (60×2)	\$4.64 90 (45×2)	\$5.45 80 (40×2)	\$6.09 80 (40×2)	\$7.27 60 (30×2)
32A	1 1/4B	\$4.18 100		\$4.91 100 (50×2)	\$5.18 80 (40×2)	\$6.18 70 (35×2)	\$7.55 70 (35×2)	\$8.36 60 (30×2)	\$10 40
40A	1 1/2B	\$5.18 80		\$6 70 (35×2)	\$6.55 60 (30×2)	\$7.73 50 (25×2)	\$9.09 50 (25×2)	\$10.18 40 (20×2)	\$12.09 36
50A	2B	\$7.55 55		\$8.09 60 (30×2)	\$8.64 48 (24×2)	\$10.55 40 (20×2)	\$12.45 30 (15×2)	\$13.73 30 (15×2)	\$16.36 20
65A	2 1/2B	\$17.45 24				\$20.82 24	\$23 24	\$25.45 18	\$28.36 12
80A	3B	\$23.27 18				\$24.18 16	\$27.27 16	\$28.82 12	\$33.18 9
100A	4B	\$32 6				\$33.64 10	\$38.18 10	\$41.64 8	\$47.73 5
125A	5B	\$78.27 4							
150A	6B	\$93.27 4							

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Material standard

SGP-VA Hard PVC lined steel pipe for water supply (JWWA K116) Carbon steel pipe for SGP piping Black (JIS G3452) with primary antirust coating on the outer surface and hard vinyl chloride resin (JIS K6742) on the inner surface. Excellent corrosion resistance, oil resistance, and chemical resistance on the inner surface of the pipe. Since the inner surface is a smooth hard vinyl chloride resin, the frictional resistance is small and changes in flow rate and flow velocity inside the pipe can be minimized. Instead of the conventional hot-dip galvanized steel pipe, it is also used for water supply piping for general households, and it is also used for air conditioning cooling water and industrial water, and can be used in a wide range.

#### ▼ Application

Mainly for indoor water supply piping

#### ▼ Type, symbol, 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(pneumatic)	0.5Mpa(5.1kgf/cm2)
Pressure resistance(water pressure)	2.5Mpa(25.5kgf/cm2)

#### ▼ Screw standard

An external thread type pipe joint that requires a taper male thread [symbol: R (PT)]. (Compliant with JIS B0203) Suitable for joining screws with the main purpose of tightness resistance when joining internally threaded pipe fittings, other pipe parts, fluid equipment, etc. It is suitable for the case where the exterior process,

#### ▼ Maximum working pressure

1MPa

#### ▼ Mechanical strength

Same as SGP steel pipe.

#### ▼ Recommended temperature

0 to 40 °C when using pipe end anti-corrosion fittings

#### ▼ About inspection of screw

All thread inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). In addition, our inspection gauge manufacturer uses OSG (OSG).

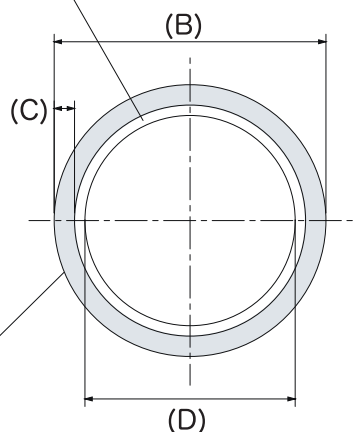
#### ▼ Join method

When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to tightly bond, even if it is tightened tightly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) Also, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the external thread. Apply sealant from the top, and then apply sealant on the female screw side and tighten it to ensure tightness.

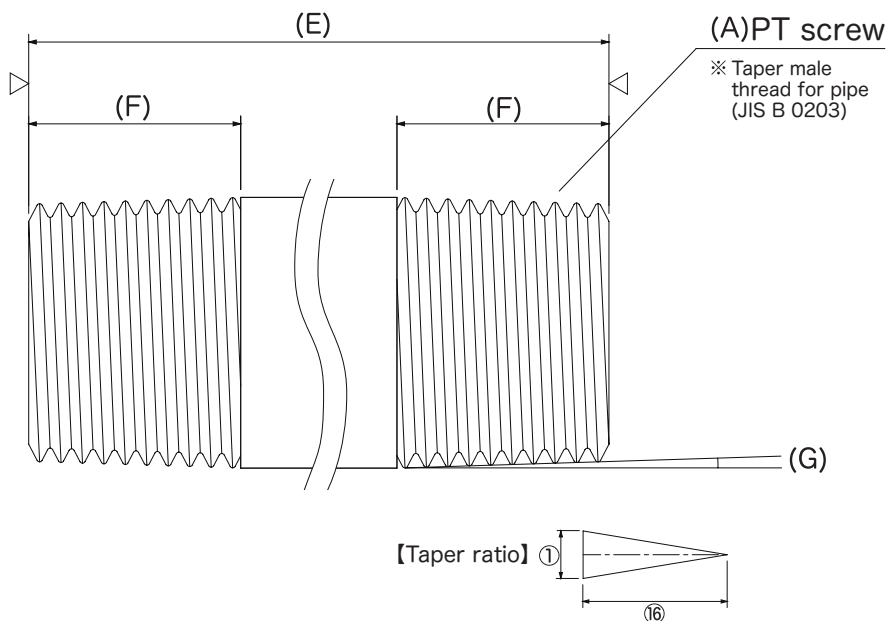


Hard vinyl chloride resin

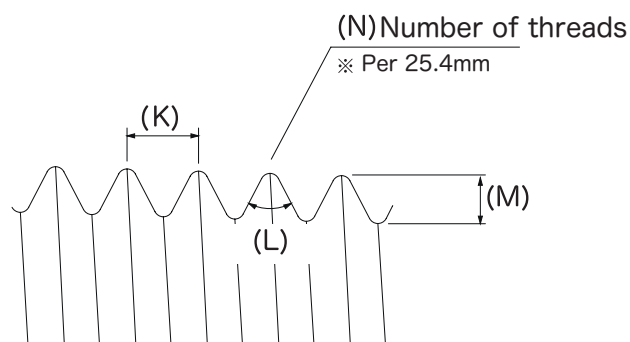
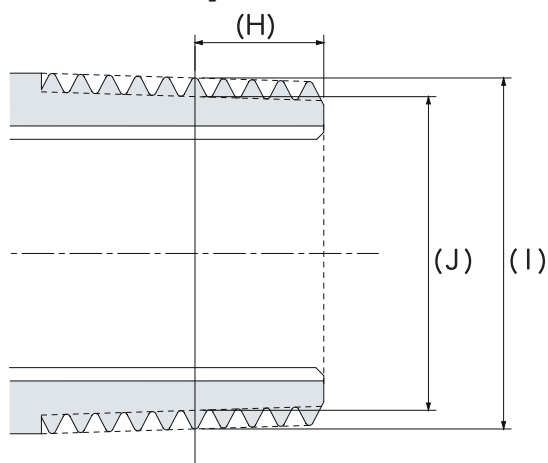
※JIS K6742



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 resin (JIS K6742) is coated on the inner surface of galvanized steel pipe (JIS G3442) for water piping.							
Product		SGP-VB Hard PVC lined steel pipe for water supply (JWWA K116)							
Shape		 Both screws							
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B	\$1.82 400	\$1.91 400 (100×4)	\$2.09 320 (80×4)	\$2.45 280 (70×4)	\$2.73 160 (40×4)	\$3.18 160 (40×4)	\$3.64 120 (30×4)	\$4.45 120 (30×4)
20A	3/4B	\$2 200	\$2.45 280 (70×4)	\$2.73 200 (50×4)	\$3 160 (40×4)	\$3.27 120 (30×4)	\$3.82 100 (25×4)	\$4.36 80 (20×4)	\$5.27 80 (20×4)
25A	1B	\$3 200	\$3.18 200 (100×2)	\$3.64 140 (70×2)	\$3.82 120 (60×2)	\$4.64 90 (45×2)	\$5.45 80 (40×2)	\$6.09 80 (40×2)	\$7.27 60 (30×2)
32A	1 1/4B	\$4.18 100		\$4.91 100 (50×2)	\$5.18 80 (40×2)	\$6.18 70 (35×2)	\$7.55 70 (35×2)	\$8.36 60 (30×2)	\$10 40
40A	1 1/2B	\$5.18 80		\$6 70 (35×2)	\$6.55 60 (30×2)	\$7.73 50 (25×2)	\$9.09 50 (25×2)	\$10.18 40 (20×2)	\$12.09 36
50A	2B	\$7.55 55		\$8.09 60 (30×2)	\$8.64 48 (24×2)	\$10.55 40 (20×2)	\$12.45 30 (15×2)	\$13.73 30 (15×2)	\$16.36 20
65A	2 1/2B	\$17.45 24				\$20.82 24	\$23 24	\$25.45 18	\$28.36 12
80A	3B	\$23.27 18				\$24.18 16	\$27.27 16	\$28.82 12	\$33.18 9
100A	4B	\$32 6				\$33.64 10	\$38.18 10	\$41.64 8	\$47.73 5
125A	5B	\$78.27 4							
150A	6B	\$93.27 4							

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Material standard

SGP-VB Hard PVC lined steel pipe for water supply (JWWA K116) SGPW water pipe galvanized steel pipe (JIS G3442) coated with hard vinyl chloride resin (JIS K6742) on the inner surface. Excellent corrosion resistance, oil resistance, and chemical resistance on the inner surface of the pipe. Since the inner surface is a smooth hard vinyl chloride resin, the frictional resistance is small and changes in flow rate and flow velocity inside the pipe can be minimized.

#### ▼ Application

Mainly for indoor and outdoor water supply piping

#### ▼ Type, symbol, chemical composition

※ The amount of zinc adhered is larger than the white pipe of carbon steel pipe (SGP) for piping. The average value is over 600gr / m<sup>2</sup>, and the minimum value is over 550gr / 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(pneumatic)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance(water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

#### ▼ About inspection of screw

All thread inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). In addition, our inspection gauge manufacturer uses OSG (OSG).

#### ▼ Maximum working pressure

1MPa

#### ▼ Mechanical strength

Same as SGP steel pipe.

#### ▼ Recommended temperature

0 to 40 °C when using pipe end anti-corrosion fittings

#### ▼ Screw standard

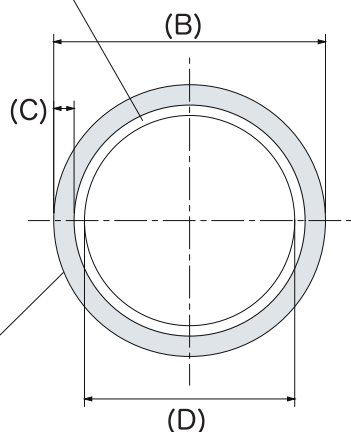
An external thread type pipe joint that requires a taper male thread [symbol: R (PT)]. (Compliant with JIS B0203) Suitable for joining screws with the main purpose of tightness resistance when joining internally threaded pipe fittings, other pipe parts, fluid equipment, etc.

#### ▼ Join method

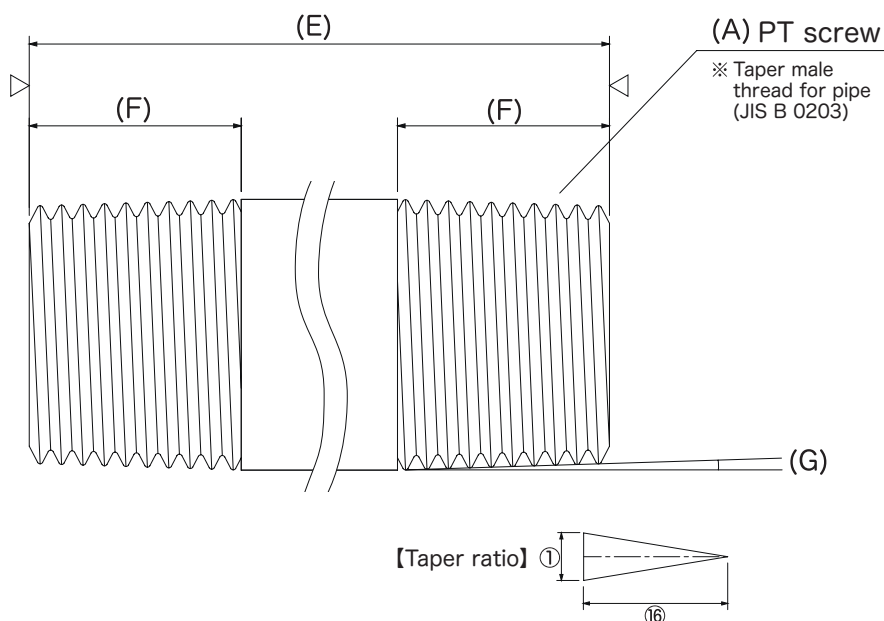
When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to have a tight connection, even if it is tightened tightly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) Also, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the external thread. Apply sealant from the top, and then apply sealant on the female screw side and tighten it to ensure tightness.

Hard vinyl chloride resin

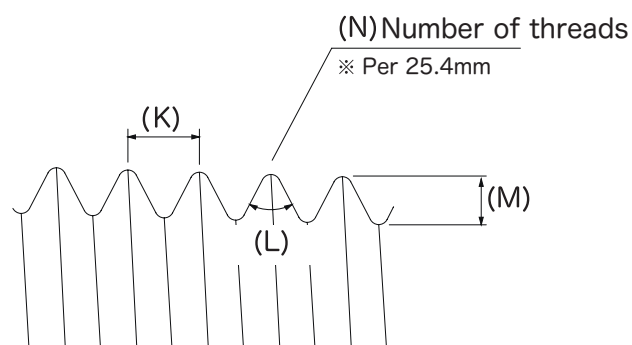
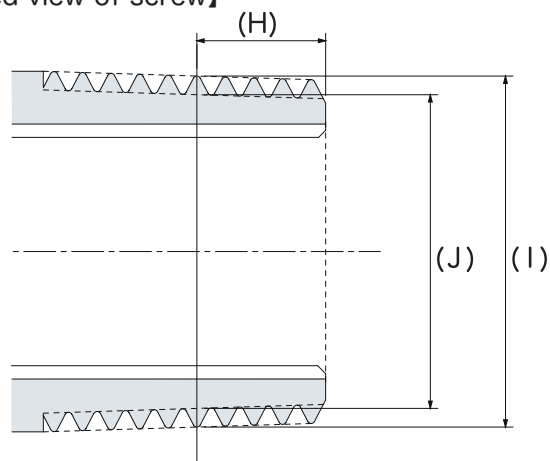
※JIS K6742



Hot-dip galvanized

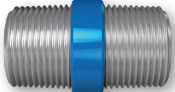


【Detailed view of screw】



※ 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		Carbon steel pipe for piping Black (JIS G3452) is coated with hard vinyl chloride resin (JIS K6742) on the inside and outside surfaces.							
Product		SGP-VD Hard PVC lined steel pipe for water supply (JWWA K116)							
Shape		 Both screws							
Length Diameter		Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm
15A	1/2B				\$3 100 (50×2)	\$3.64 88 (44×2)	\$4.09 60 (30×2)	\$4.91 60 (30×2)	\$6.36 40
20A	3/4B				\$3.55 70 (35×2)	\$4.27 60 (30×2)	\$4.82 40 (20×2)	\$5.73 40 (20×2)	\$7.09 28
25A	1B				\$4.36 56 (28×2)	\$5.45 44 (22×2)	\$5.73 24 (12×2)	\$7.27 24 (12×2)	\$8.45 18
32A	1 1/4B						\$7.73 30	\$9.09 30	\$10.45 16
40A	1 1/2B						\$8.64 24	\$10.73 24	\$11.82 16
50A	2B						\$12.73 14	\$14.18 14	\$16.82 9
65A	2 1/2B							\$27.27 7	\$32.73 7
80A	3B							\$30.91 3	\$37.27 3
100A	4B							\$40.91 2	\$49.09 2

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Material standard

SGP-VD Hard PVC lined steel pipe for water supply (JWWA K116)  
 Carbon steel pipe for SGP piping black (JIS G3452) coated with hard vinyl chloride resin (JIS K6742) on the inner and outer surfaces. Excellent corrosion resistance, oil resistance, and chemical resistance on the inner surface of the pipe. Since the inner surface is a smooth hard vinyl chloride resin, the frictional resistance is small and changes in flow rate and flow velocity inside the pipe can be minimized.

#### ▼ Application

Mainly for water supply piping for outdoor or underground use

#### ▼ Type, symbol, 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(pneumatic)	0.5Mpa(5.1kgf/cm <sup>2</sup> )
Pressure resistance(water pressure)	2.5Mpa(25.5kgf/cm <sup>2</sup> )

#### ▼ Screw standard

An external thread type pipe joint that requires a taper male thread [symbol: R (PT)]. (Compliant with JIS B0203) Suitable for joining screws with the main purpose of tightness resistance when joining internally threaded pipe fittings, other pipe parts, fluid equipment, etc.

#### ▼ Maximum working pressure

1MPa

#### ▼ Mechanical strength

Same as SGP steel pipe.

#### ▼ Recommended temperature

0 to 40 °C when using pipe end anti-corrosion fittings

#### ▼ About inspection of screw

All thread inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). In addition, our inspection gauge manufacturer uses OSG (OSG).

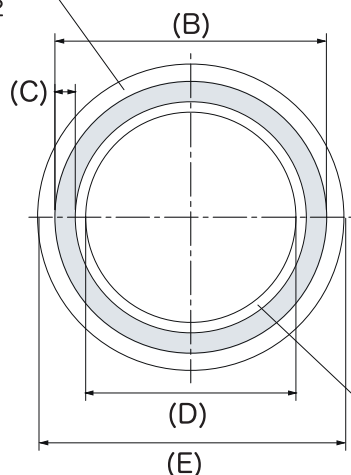
#### ▼ Join method

When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to tightly bond, even if it is tightened tightly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) Also, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the external thread. Apply sealant from the top, and then apply sealant on the female screw side and tighten it to ensure tightness.

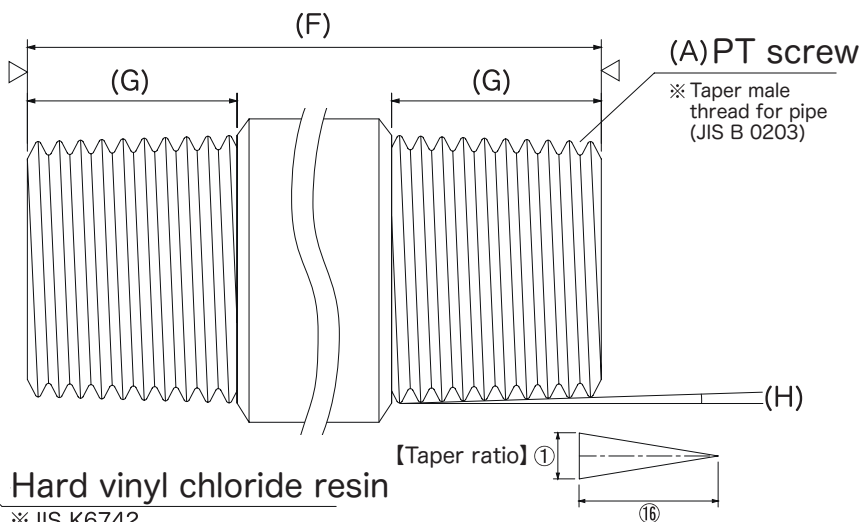
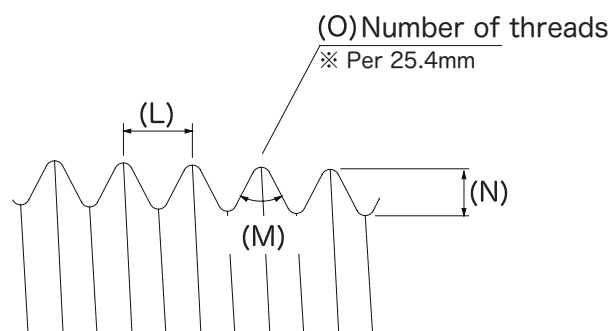
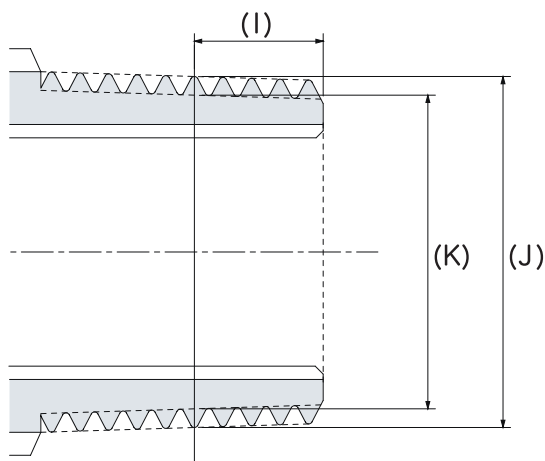


**Hard vinyl chloride resin**

※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 pipe for pressure piping (STPG370 Sch80-SH specification) JIS standard number G3454									
Product		Pipe nipple									
Shape		 Both screws									
Diameter	Length	Short nipple	50mm	65mm	75mm	100mm	125mm	150mm	200mm	250mm	300mm
6A	1/8B	\$2.64 1200 (100×12)	\$2.91 600 (100×6)	\$3 600 (100×6)	\$3.09 500 (100×5)	\$3.64 400 (100×4)	\$4.09 300 (50×6)	\$4.82 250 (50×5)	\$6.55 200 (50×4)	\$7.55 200	\$8.64 200
8A	1/4B	\$2.73 1200 (100×12)	\$3 600 (100×6)	\$3.18 600 (100×6)	\$3.27 500 (100×5)	\$3.82 400 (100×4)	\$4.45 300 (50×6)	\$5.18 250 (50×5)	\$7 200 (50×4)	\$8.18 200	\$9.36 200
10A	3/8B	\$2.91 800 (100×8)	\$3.18 400 (100×4)	\$3.36 400 (100×4)	\$3.45 300 (100×3)	\$4.09 250 (50×5)	\$4.73 200 (50×4)	\$5.55 150 (50×3)	\$7.55 150 (50×3)	\$8.82 150	\$10 150
15A	1/2B	\$3.27 400 (50×8)	\$3.55 300 (50×6)	\$3.82 200 (50×4)	\$4 200 (50×4)	\$4.73 150 (50×3)	\$5.45 100 (50×2)	\$6.36 100 (50×2)	\$8.73 100 (50×2)	\$10.18 60	\$11.64 50
20A	3/4B	\$3.91 300 (50×6)	\$4.09 200 (50×4)	\$4.36 200 (50×4)	\$4.45 150 (50×3)	\$5.09 100 (50×2)	\$6 80	\$6.91 80	\$9 60	\$10.55 50	\$12 50
25A	1B	\$5.09 200	\$5.27 200	\$5.64 170	\$5.82 140	\$6.36 100	\$7.55 80	\$8.64 70	\$11 50	\$12.91 40	\$14.82 40
32A	1 1/4B	\$6.36 100		\$6.82 85	\$7.09 85	\$8.55 60	\$9.82 45	\$11.09 40	\$13.36 30	\$15.73 20	\$18 20
40A	1 1/2B	\$7 80		\$7.45 60	\$7.82 60	\$9.45 45	\$10.82 35	\$12.36 30	\$14.91 20	\$17.55 15	\$20.18 15
50A	2B	\$8.45 55		\$8.73 40	\$9.18 40	\$11.18 30	\$12.82 20	\$14.55 20	\$17.73 15	\$20.91 12	\$24.09 10
65A	2 1/2B										
80A	3B										
100A	4B										

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Steel pipe standards

Carbon steel pipe for pressure piping (JIS G3454) STPG370 Sch80-SH specification

#### ▼ Steel pipe characteristics

Carbon steel pipe used for pressure piping used at about 350 °C or below. Used for flowing fluids such as water, air, steam, oil, gas, etc. at relatively high pressures (10MPa (100kgf / cm<sup>2</sup>) or less). The operating temperature range is -15 to 350 °C.

#### ▼ Main usage examples

For line pipe piping to transport between various equipment and facilities in the oil refining, petrochemical and chemical industries. Ship piping, high-pressure gas piping, boiler piping, etc.

#### ▼ Screw standard

This is an external thread type pipe joint that requires a taper male thread [symbol: R (PT)]. (Compliant with JIS B0203) Suitable for joining screws with the main purpose of tightness resistance when joining internally threaded pipe fittings, other pipe parts, fluid equipment, etc. It is suitable for the case where the exterior process, electroplating, welding, and bending are performed in the post-process.

#### ▼ Type, symbol, 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	0.045 or less	0.040 or less

#### ▼ About inspection of screw

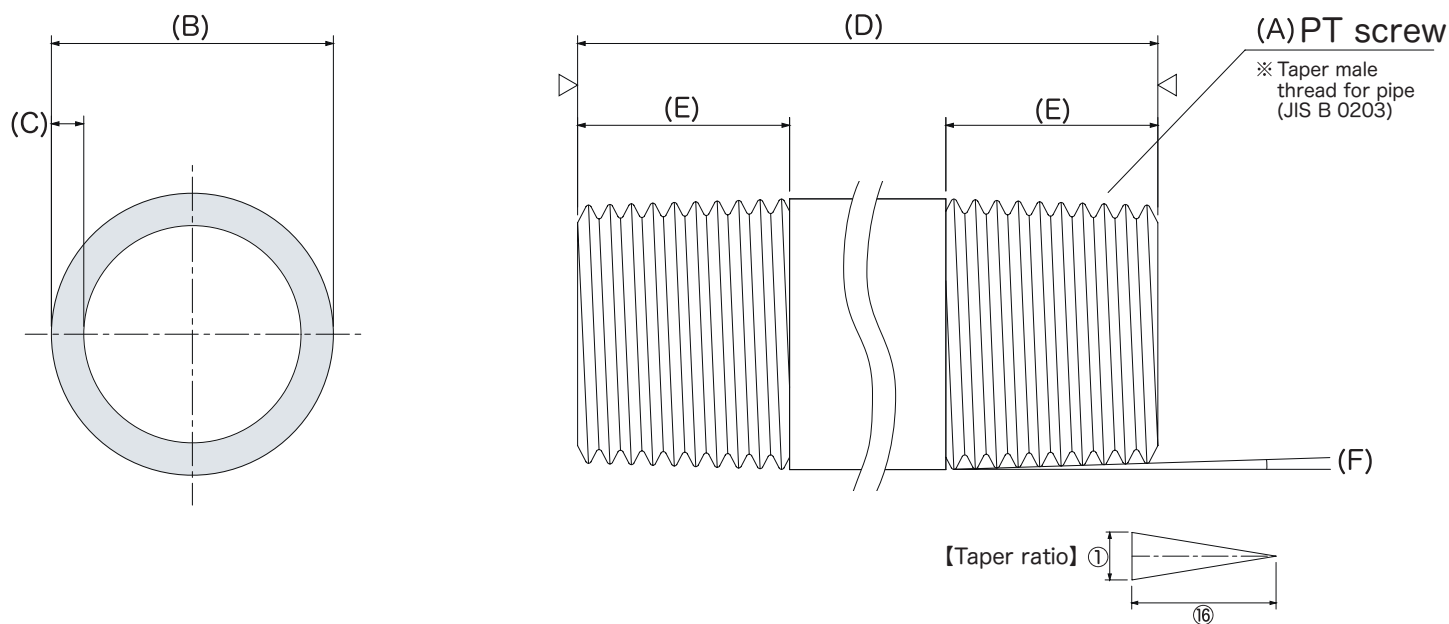
All thread inspections are performed using a taper thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). In addition, our inspection gauge manufacturer uses OSG (OSG).

#### ▼ Standard value of water pressure test characteristics of steel pipes (JIS regulations)

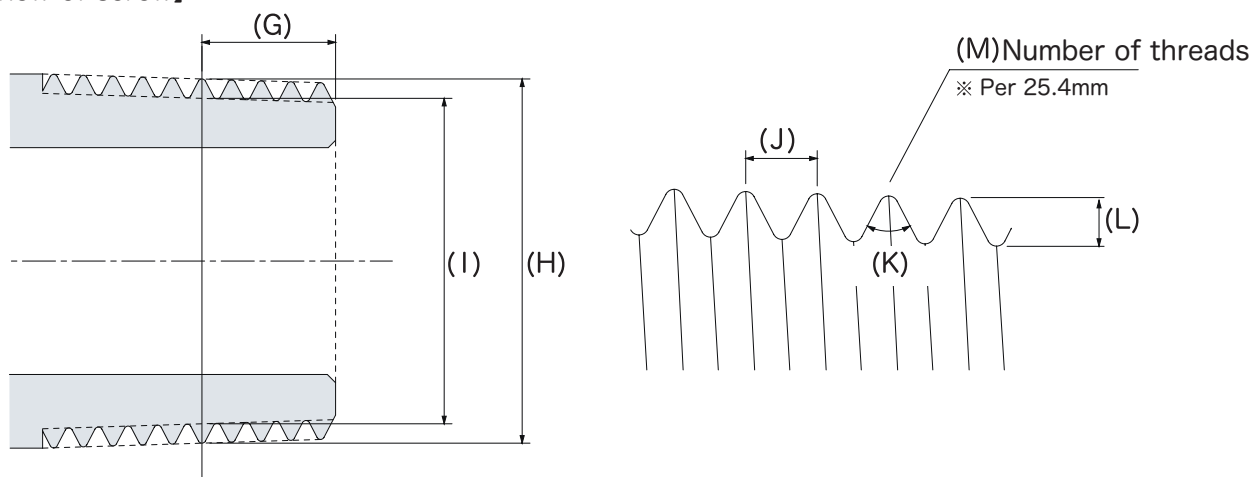
12MPa( 約 120kgf/cm<sup>2</sup>)

#### ▼ Join method

When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to tightly bond, even if it is tightened tightly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) In addition, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the male screw. Apply sealant from the top, and then apply sealant on the female screw side and tighten it to ensure tightness.



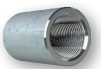

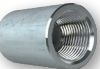
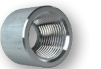
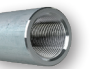


## 【Detailed view of screw】



※ 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 pipe for general structure (JIS G3444)		SUS304 Stainless steel pipe for piping (JIS G3459)				
Product		Steel pipe JIS standard socket		Stainless steel standard socket				Stainless steel JIS standard socket
Shape		Straight 	Half 	Straight 	Half 	Taper 	Half taper 	Straight 
6A	1/8B	\$1.07 1600 (400×4)		\$2.91 800 (400×2)	\$2.18 1200 (600×2)	\$5.45 50	\$4.36 50	
8A	1/4B	\$1.16 800 (200×4)	\$0.99 50	\$2.91 800 (400×2)	\$2.18 1200 (600×2)	\$5.45 50	\$4.36 50	\$4.82 50
10A	3/8B	\$1.32 600 (150×4)	\$1.09 50	\$2.91 400 (200×2)	\$2.18 600 (300×2)	\$5.45 50	\$4.36 50	\$4.82 50
15A	1/2B	\$1.77 300 (150×2)	\$1.42 100	\$3.09 300 (50×6)	\$2.45 500 (50×10)	\$7.82 300 (50×6)	\$6.18 500 (50×10)	\$7.5 100
20A	3/4B	\$2.25 200 (100×2)	\$1.71 100	\$4 200 (50×4)	\$3 300 (50×6)	\$11.09 200 (50×4)	\$8.45 300 (50×6)	\$9.86 100
25A	1B	\$3.3 120 (60×2)	\$2.3 60	\$5.73 150	\$4.18 200	\$12.36 100	\$9.73 200	\$10.69 60
32A	1 1/4B	\$4.35 70	\$3.24 40	\$7.91 80	\$6.27 140	\$21.09 80	\$16.64 100	\$16.3 40
40A	1 1/2B	\$5.71 50	\$3.99 30	\$9.18 60	\$7.27 120	\$23.55 60	\$18.55 80	\$19.48 30
50A	2B	\$7.36 40	\$5.41 20	\$14.18 40	\$11.18 50	\$32.55 30	\$25.82 60	\$27.64 20
65A	2 1/2B	\$14.39 24		\$25.55 24	\$20.55 30			
80A	3B	\$17.91 18		\$33.64 16	\$26.55 20			
100A	4B	\$29.05 8		\$58 8	\$45.55 12			
125A	5B	\$43.39 6						
150A	6B	\$60.32 4						

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Material standard

Steel pipe standard sockets use general structural carbon steel pipes (JIS G3444) or higher standards. Stainless steel standard sockets use the same material as SUS304 stainless steel pipes for piping (JIS G3459) or equivalent materials, and are excellent in corrosion resistance and strong against rust.  
(Component content: 18Cr-8Ni)

#### ▼ Inspection pressure

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

#### ▼ Type, symbol, 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 以下	0.045 or less	0.03 or less	8 to 11	18 to 20	-

#### ▼ Screw standard

An internal thread type pipe joint that requires parallel female thread [symbol: PS (Rp)] for taper male thread or tapered female thread [symbol: PT (Rc)] for pipes. (Compliant with JIS B0203) Suitable for connecting pipe nipples, other pipe material parts, fluid equipment, etc., with pipe male threads (PT) for the main purpose of tightness.

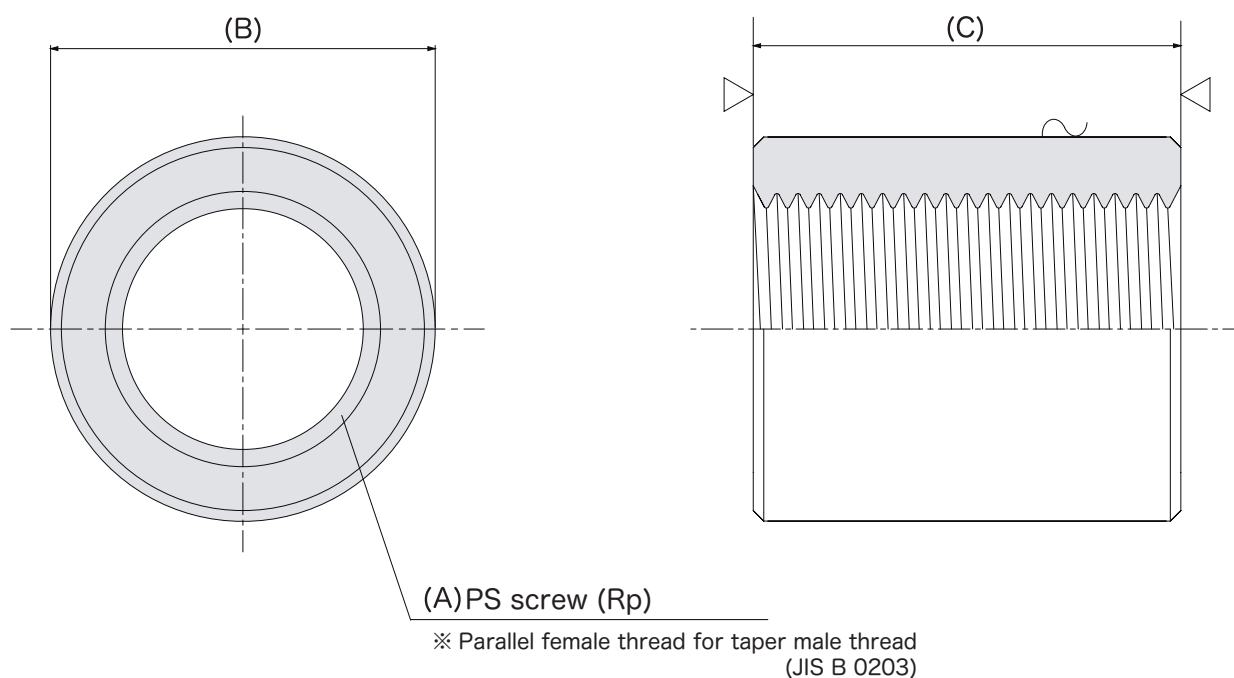
#### ▼ About inspection of screw

All screw inspections are conducted using a taper thread gauge specified in the standard number JIS B0253 defined by the Japanese Industrial Standards (JIS standard). The inspection gauge manufacturer we use is OSG (OSG).

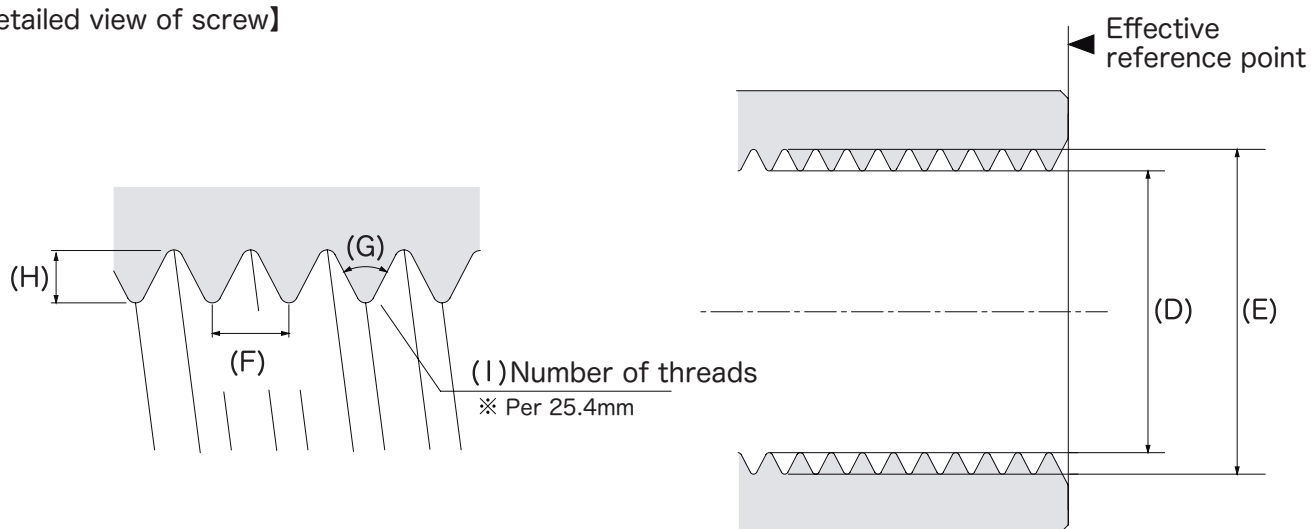
#### ▼ Join method

When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to tightly bond, even if it is tightened firmly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) Also, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the male screw. Apply sealant from the top, and apply sealant on the female thread side to secure tightness.



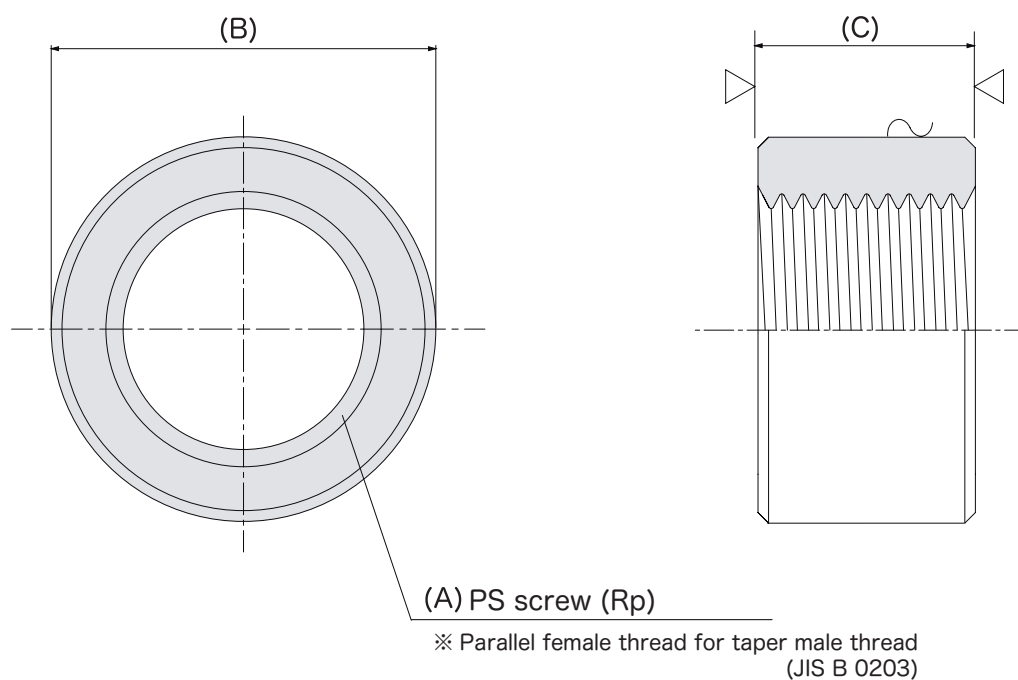


## 【Detailed view of screw】

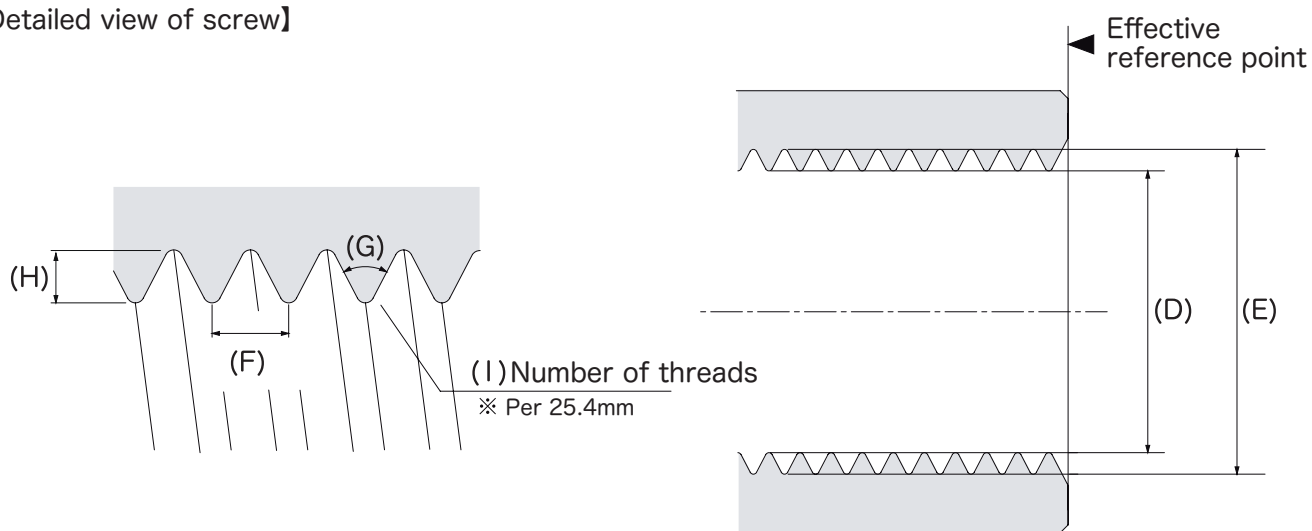


※ Dimensional unit is mm

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

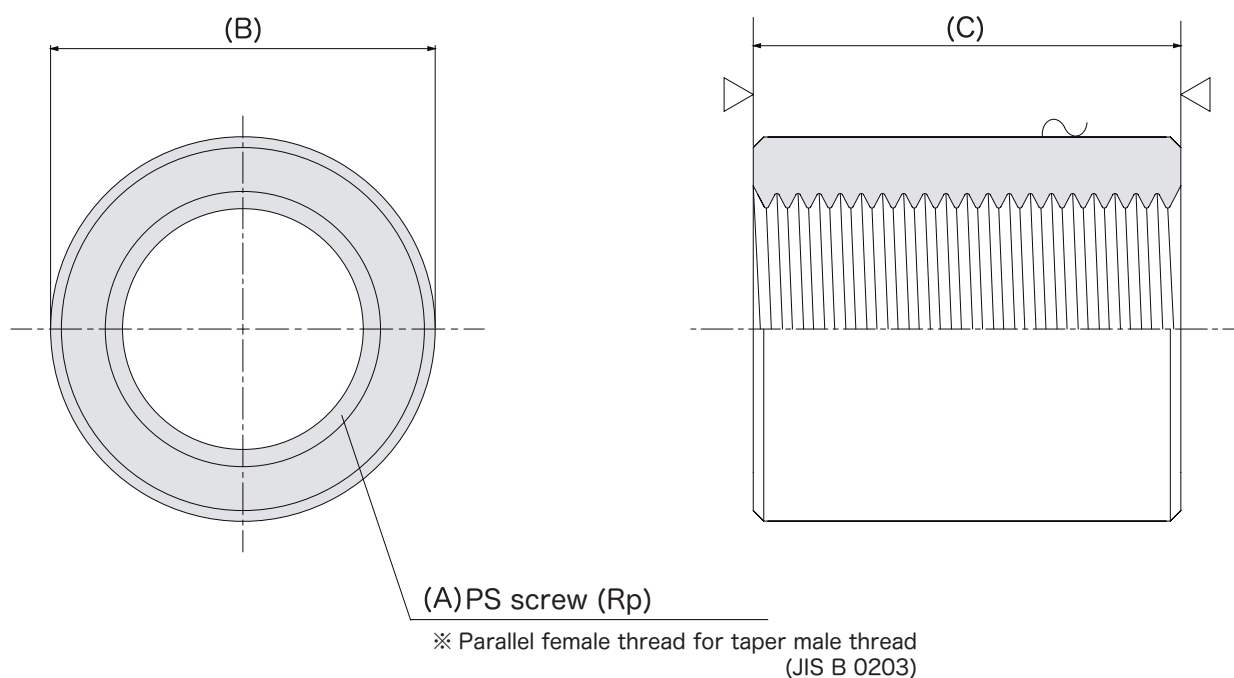


### 【Detailed view of screw】

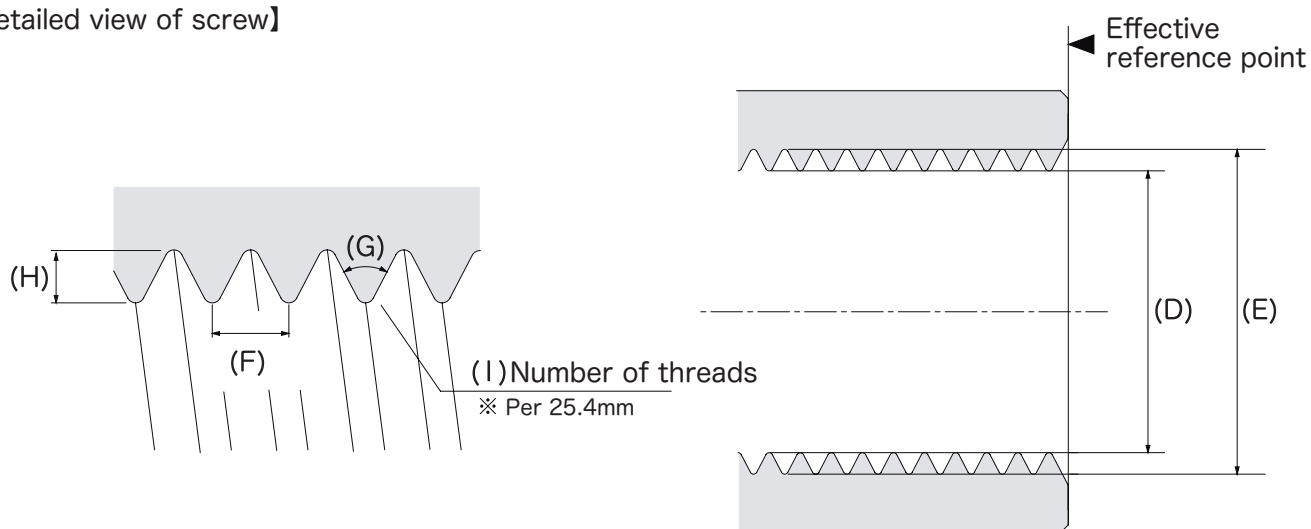


※ Dimensional unit is mm

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			

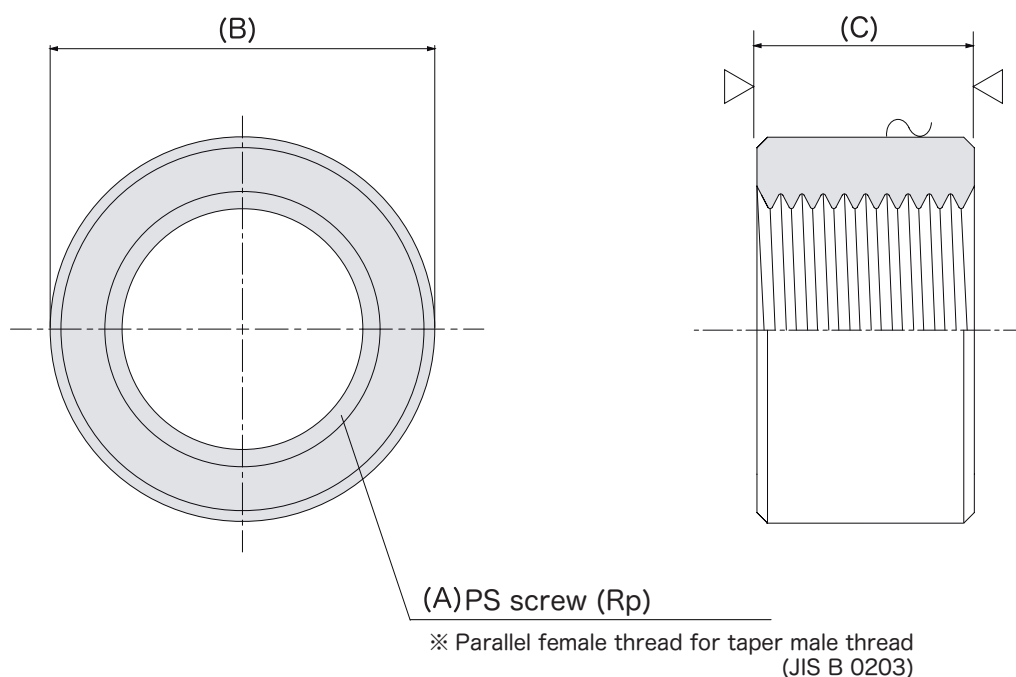


## 【Detailed view of screw】

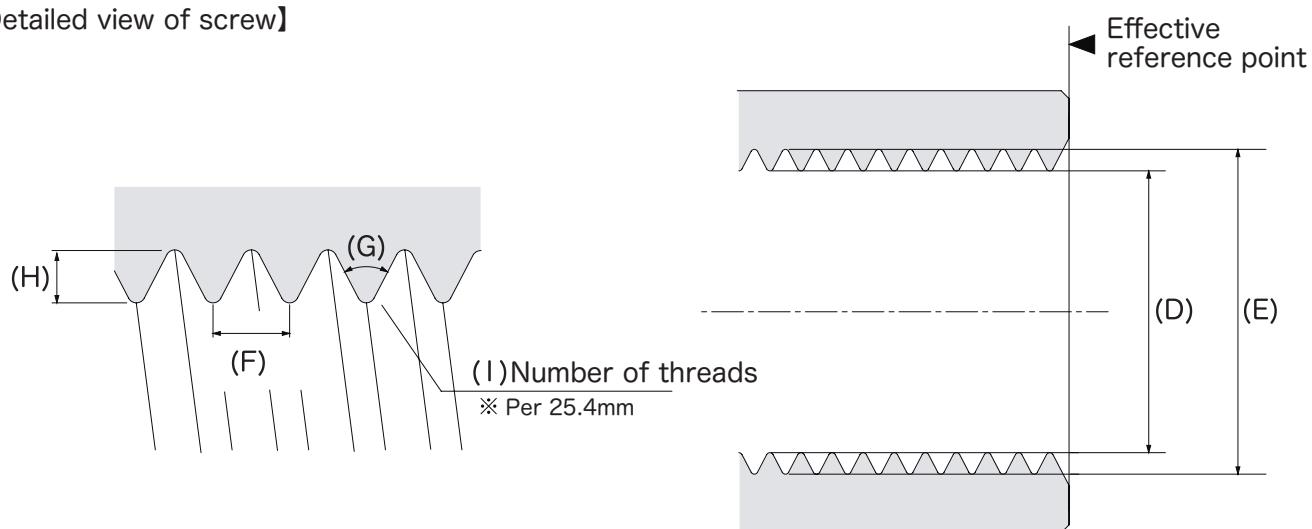


※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A	65A	80A	100A
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



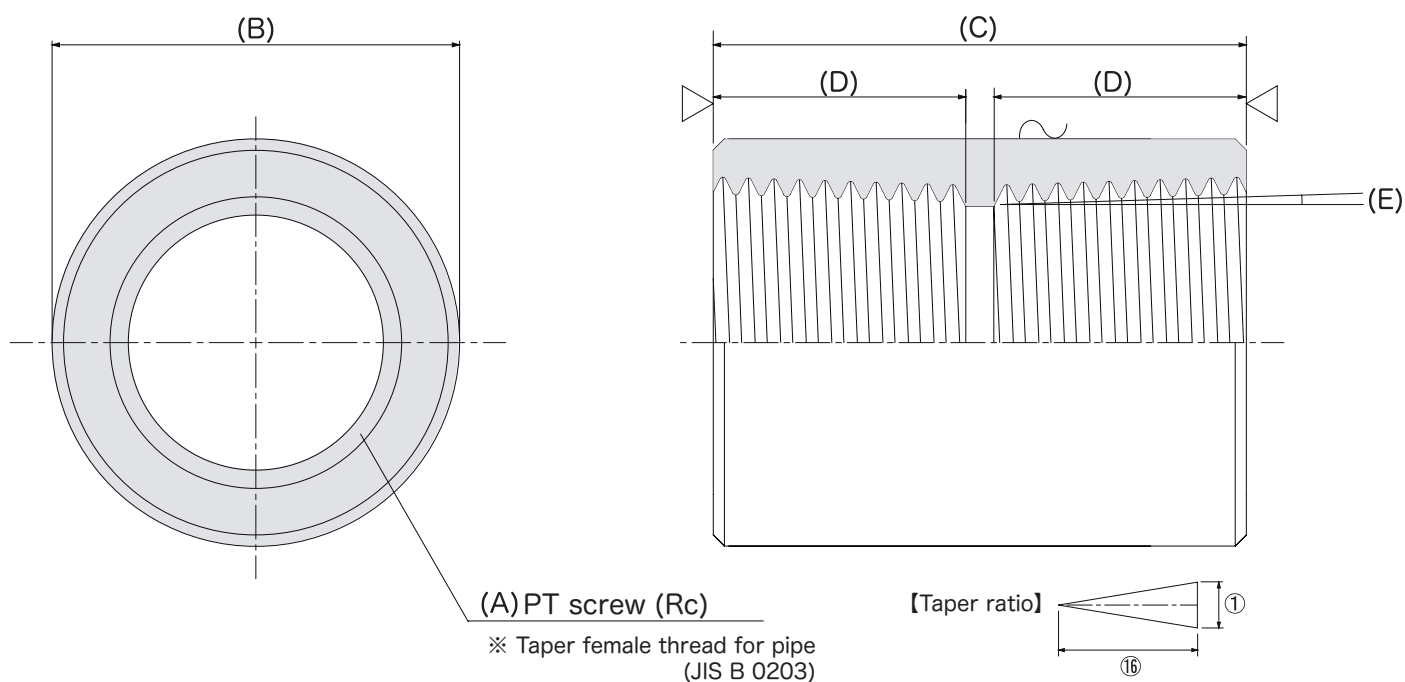
## 【Detailed view of screw】



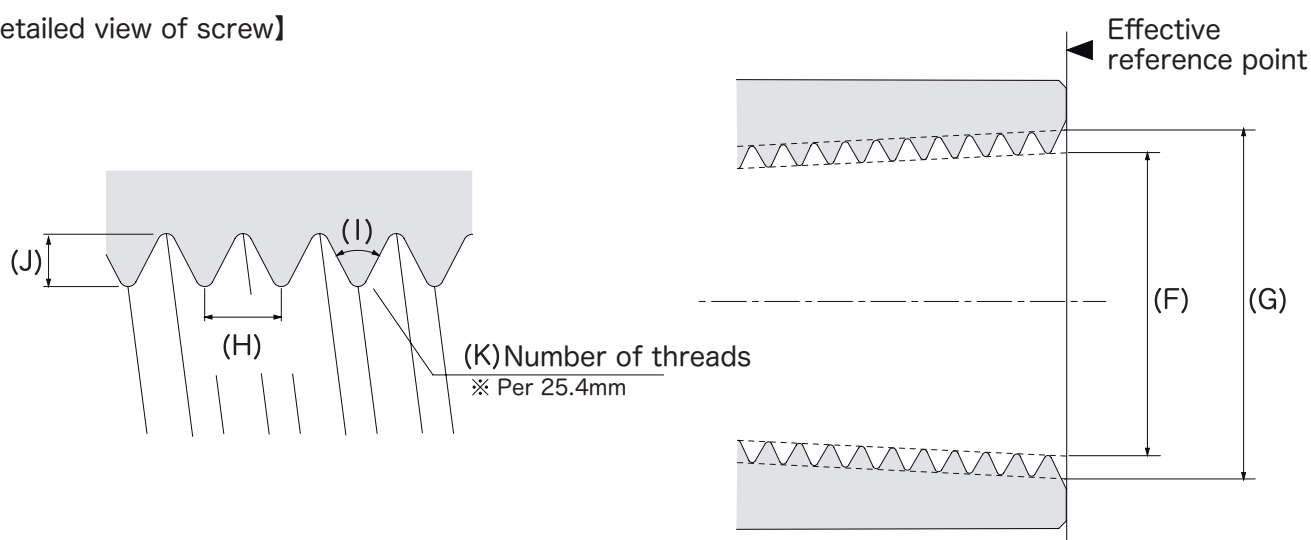
※ Dimensional unit is mm

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



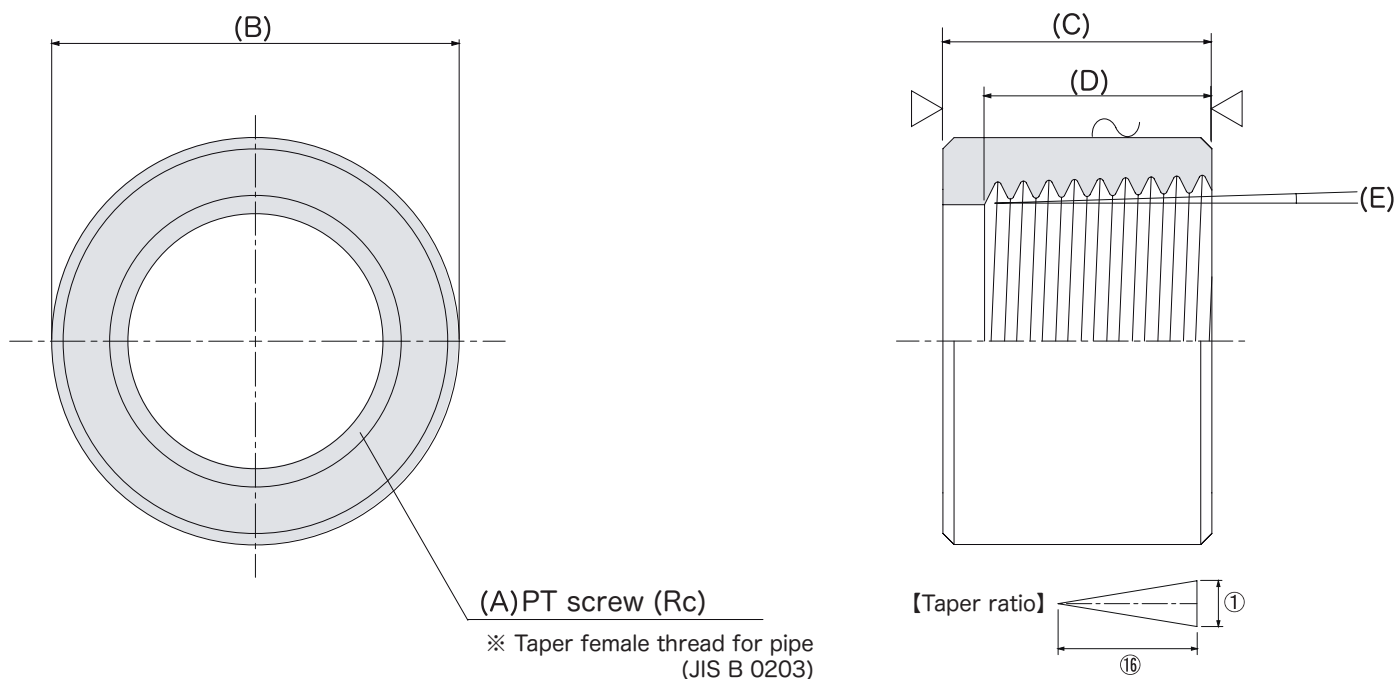


## 【Detailed view of screw】

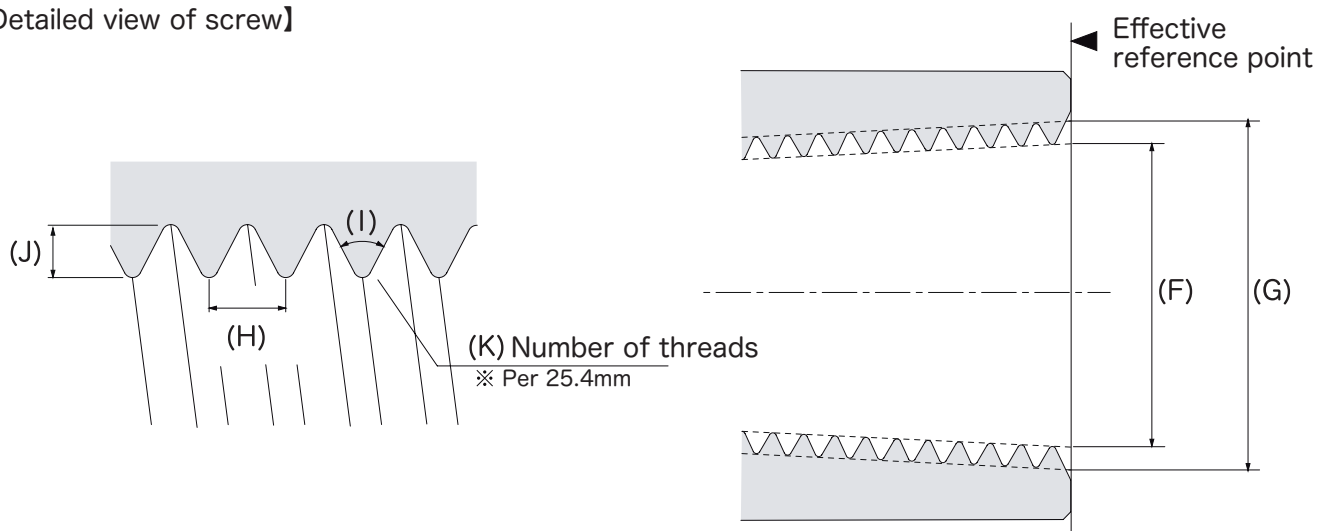


※ Dimensional unit is mm

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

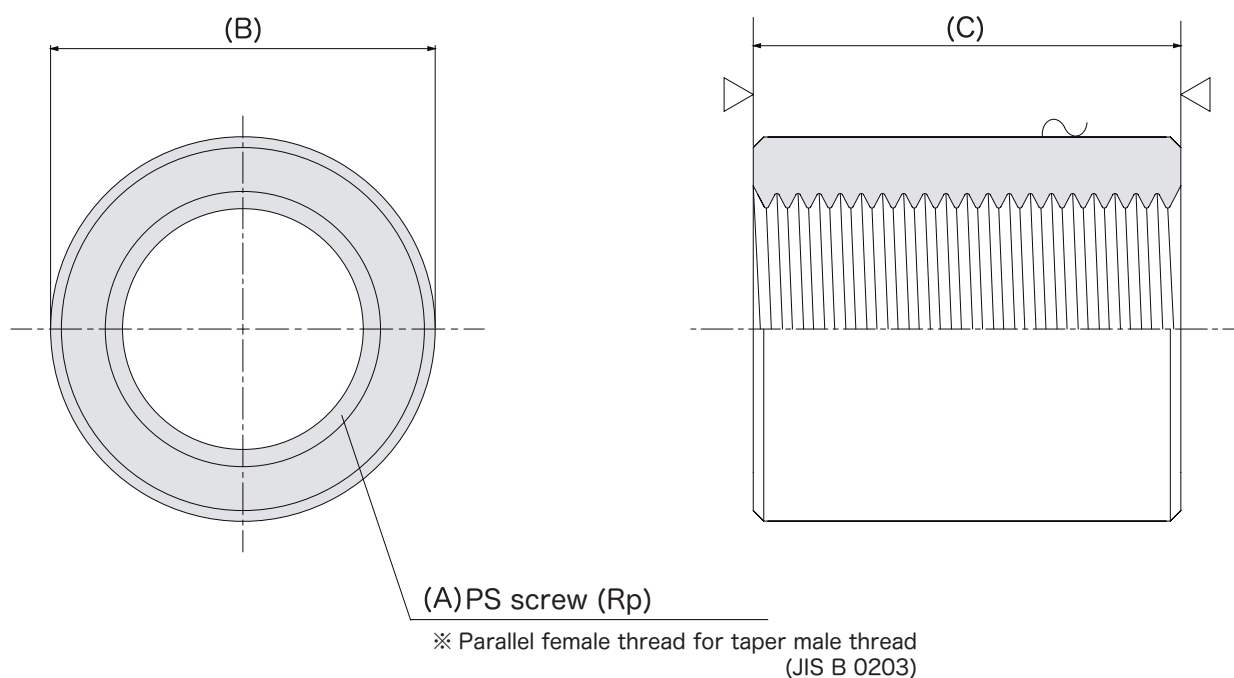


## 【Detailed view of screw】

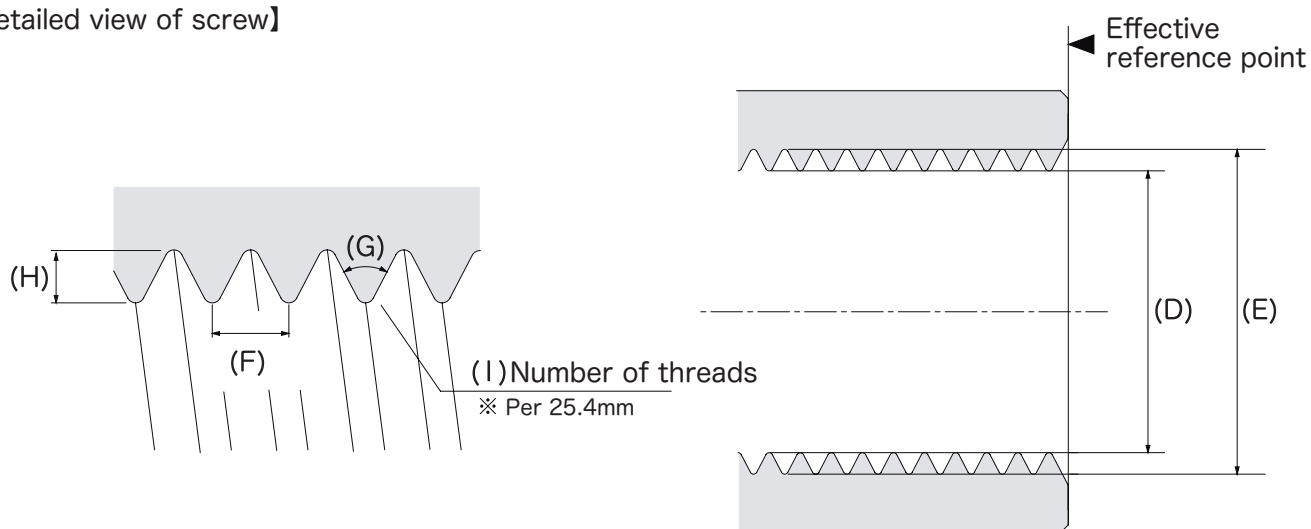


※ Dimensional unit is mm

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			

Material		Carbon steel pipe for piping (SGP) JIS standard number G3452 equivalent		
Product		Bend 45°	Bend 90°	Bend 180°
Shape				
6A	1/8B	\$1.76 300	\$1.96 300	\$3.07 150
8A	1/4B	\$1.76 200	\$1.96 200	\$3.07 100
10A	3/8B	\$1.76 150	\$1.96 150	\$3.07 75
15A	1/2B	\$2.16 100	\$2.16 100	\$3.62 50
20A	3/4B	\$2.85 100	\$2.95 100	\$4.89 50
25A	1B	\$4.51 50	\$4.15 50	\$6.62 25
32A	1 1/4B	\$6.33 25	\$6.05 25	\$9.33 15
40A	1 1/2B	\$8.55 15	\$7.73 15	\$11.93 10
50A	2B	\$13.73 10	\$12.09 10	\$18.05 7

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Steel pipe standards

Carbon steel pipe for piping (JIS G3452) SGP black pipe

#### ▼ Steel pipe characteristics

Carbon steel pipe used for piping such as steam, water (except for waterworks) oil, gas, air, etc. with relatively low operating pressure.

#### ▼ Recommended working pressure

Airtightness: 0.5MPa (about 5kgf / cm<sup>2</sup>) air pressure or less

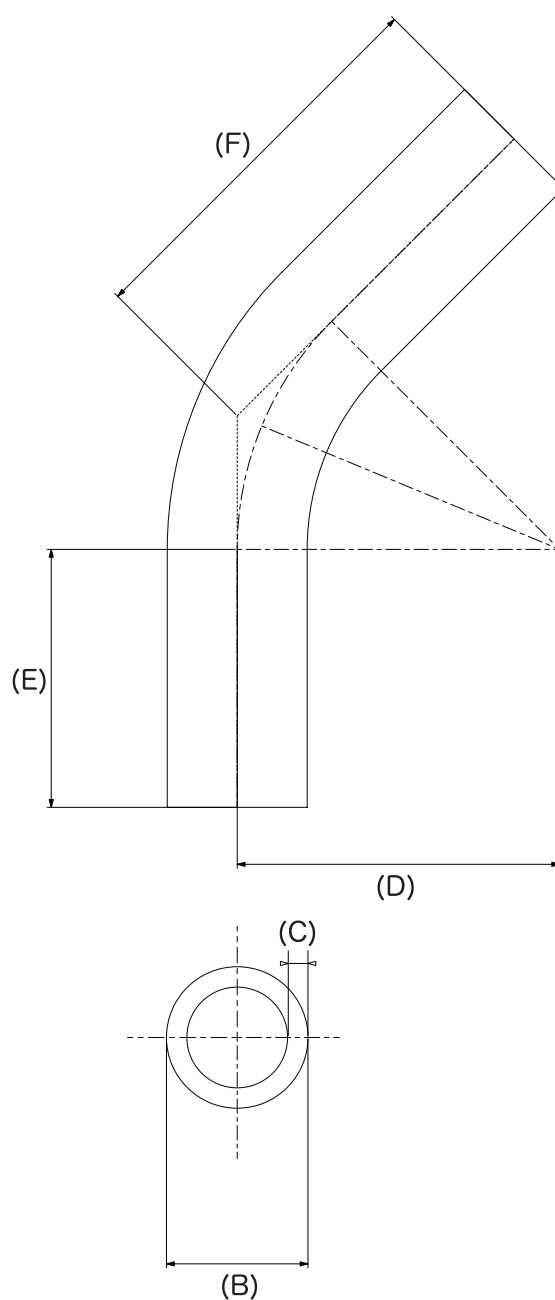
Withstand pressure: 2.5MPa (about 25kgf / cm<sup>2</sup>) water pressure or less

#### ▼ Product features

SGP steel pipe is stressed and bent, ideal for welded piping. The rising stroke from the bent part is longer than the welded joint, and the R of the bent part is large. The edges are chamfered to about 0.5 to 1C both inside and outside.

#### ▼ Type, symbol, chemical composition

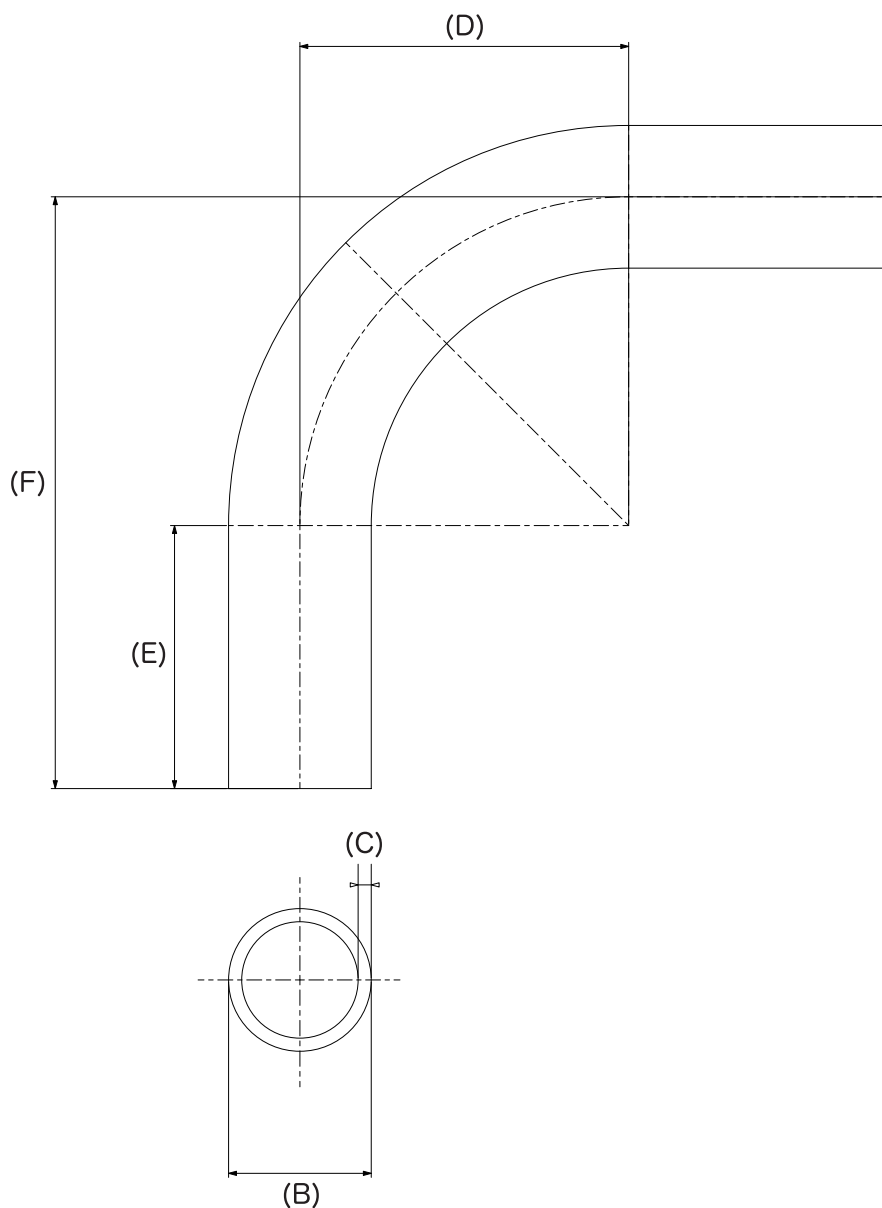
Type	Symbol	Chemical composition(%)	
		P	S
Carbon steel pipe for piping	SGP	0.040 or less	0.040 or less



※ Dimensional unit is mm

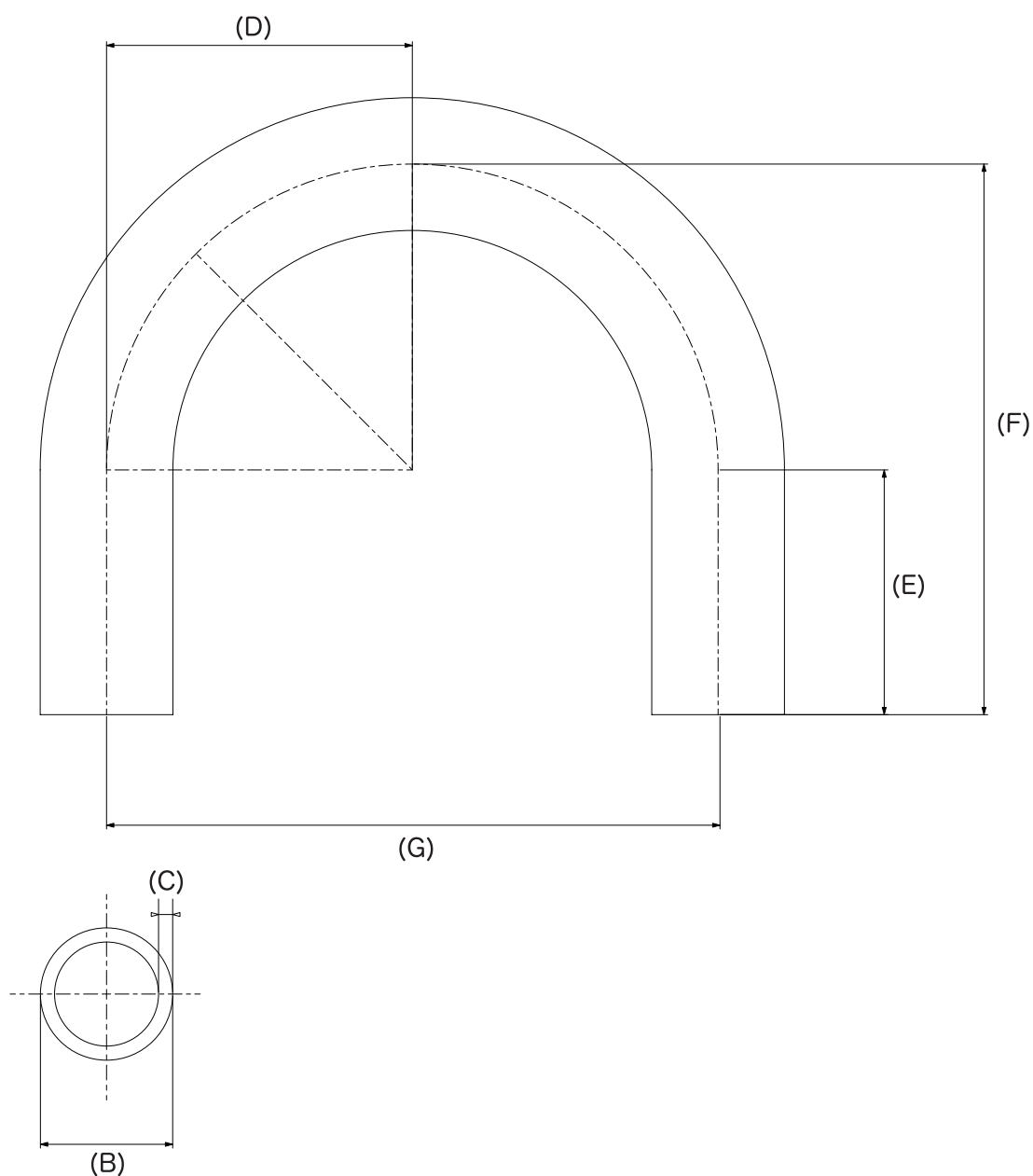
A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A
B	Outer diameter( $\Phi$ )	10.5	13.8	17.2	21.7	27.2	34	42.7	48.6	60.5
C	Thickness(t)	2	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8
D	Bending part R	30	30	30	50	55	70	90	100	125
E	Rise dimension	30	30	35	40	47	50	60	65	75
F	Center length	42	42	48	61	70	79	97	106	127





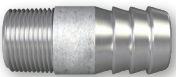
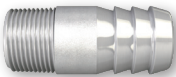
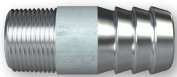
※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A
B	Outer diameter( $\Phi$ )	10.5	13.8	17.2	21.7	27.2	34	42.7	48.6	60.5
C	Thickness(t)	2	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8
D	Bending part R	30	30	30	50	55	70	90	100	125
E	Rise dimension	30	30	35	40	47	50	60	65	80
F	Center length	60	60	65	90	102	120	150	165	205



※ Dimensional unit is mm

A	Size	6A	8A	10A	15A	20A	25A	32A	40A	50A
B	Outer diameter( Φ )	10.5	13.8	17.2	21.7	27.2	34	42.7	48.6	60.5
C	Thickness(t)	2	2.3	2.3	2.8	2.8	3.2	3.5	3.5	3.8
D	Bending part R	30	30	30	50	50	75	75	100	125
E	Rise dimension	30	30	35	45	50	60	75	80	100
F	Center length	60	60	65	95	100	135	150	180	225
G	Pitch	60	60	60	100	100	150	150	200	250

Material		Carbon steel pipe for piping (JIS G3452)		SUS304 Stainless steel pipe for piping (JIS G3459)
Product		White	Unichrome	SUS304
Shape				
6A	1/8B	\$1.18 960 (240×4)	\$1.32 960 (240×4)	\$3.55 600 (100×6)
8A	1/4B	\$1.18 720 (180×4)	\$1.32 720 (180×4)	\$3.55 600 (100×6)
10A	3/8B	\$1.18 480 (120×4)	\$1.32 480 (120×4)	\$3.55 400 (100×4)
15A	1/2B	\$1.55 160 (40×4)	\$1.68 160 (40×4)	\$4.45 300 (50×6)
20A	3/4B	\$2.09 120 (30×4)	\$2.27 120 (30×4)	\$4.82 200 (50×4)
25A	1B	\$2.64 90 (45×2)	\$2.91 90 (45×2)	\$6.64 170
32A	1 1/4B	\$3.91 70 (35×2)	\$4.27 70 (35×2)	\$10.73 85
40A	1 1/2B	\$4.73 50 (25×2)	\$5.18 50 (25×2)	\$11.82 60
50A	2B	\$6.36 30 (15×2)	\$7 30 (15×2)	\$14.55 40
65A	2 1/2B	\$14.73 12	\$16.18 12	\$44.45 12
80A	3B	\$16.55 9	\$18.18 9	\$53.27 9
100A	4B	\$21.55 5	\$23.64 5	\$75.27 5

※ The lower part of the price is the number of large boxes, and the number in parentheses is the number of small boxes.

#### ▼ Product features

Used as a joint adapter for connecting pipes and hoses. One side is provided with a pipe taper male thread (R), which is joined to a threaded joint. The other side has a bamboo shoot shape, making it difficult to pull out when inserting the hose. Final tightening with a hose band and fixing to complete the construction.

#### ▼ About inspection of screw

All thread inspections are performed using a tap thread gauge specified in the standard number (JIS B0253) defined by the Japanese Industrial Standards (JIS standard). In addition, our inspection gauge manufacturer uses OSG (OSG).

#### ▼ Join method

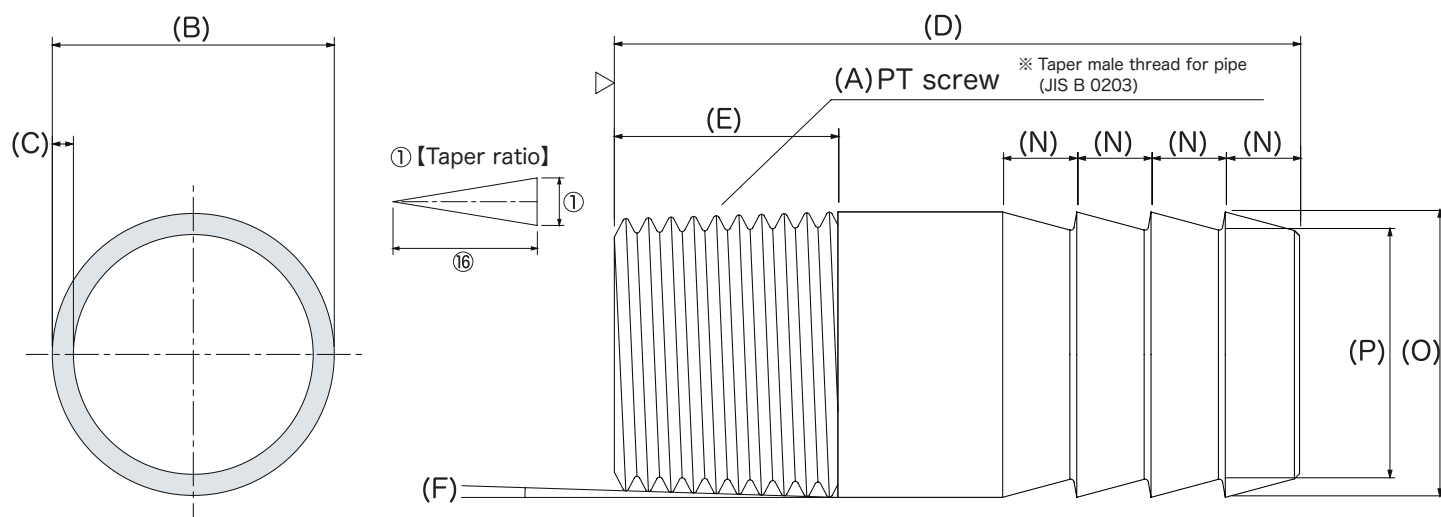
When tightening, after tightening by hand, it is necessary to tighten with torque using a tool such as a pipe wrench. However, in order to tightly bond, even if it is tightened tightly, there is a slight space between the top and bottom of the mountain in practical use, and perfect airtightness cannot be secured. Therefore, it is necessary to take measures such as wrapping seal tape (tape-like gap filling material) around the screw before assembly or applying the same liquid sealant. (It is necessary to select the type of sealing material suitable for the piping application.) Also, when assembling in a place where attention is paid to leakage, seal tape (about 2 to 3 turns) is wound around the external thread. Apply sealant from the top, and then apply sealant on the female screw side and tighten it to ensure tightness.

#### ▼ Standard details of each steel pipe

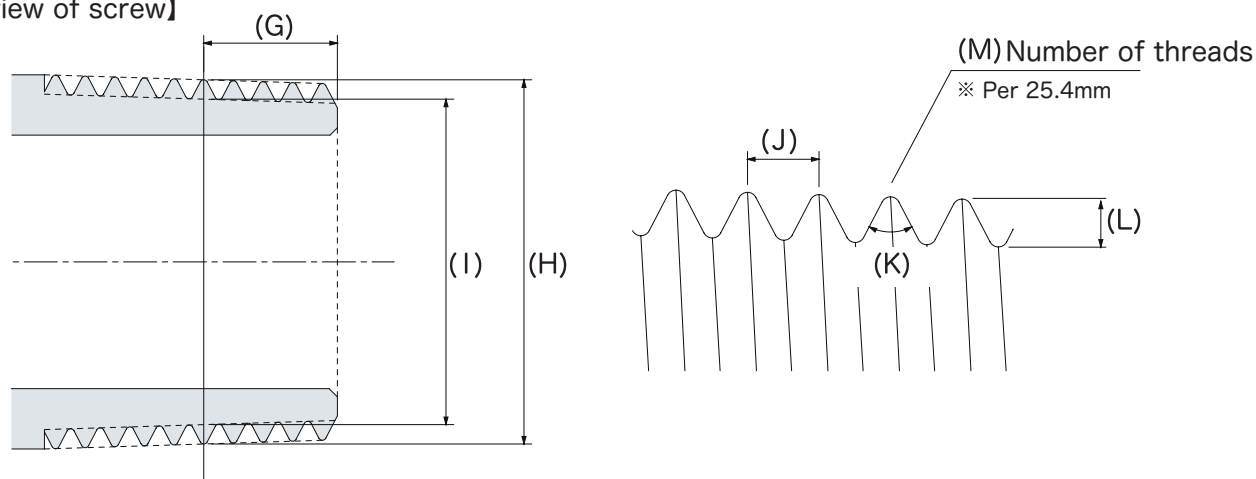
Product name	Standard details
White	Carbon steel pipe for piping (G3452) SGP white pipe Forged pipe (B)
Unichrome	Carbon steel pipe for piping (G3453) SGP black pipe Unichrome electroplating specification
SUS304	Stainless steel pipe for piping (G3459) SUS304TP-A

#### ▼ Type, symbol, 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	-

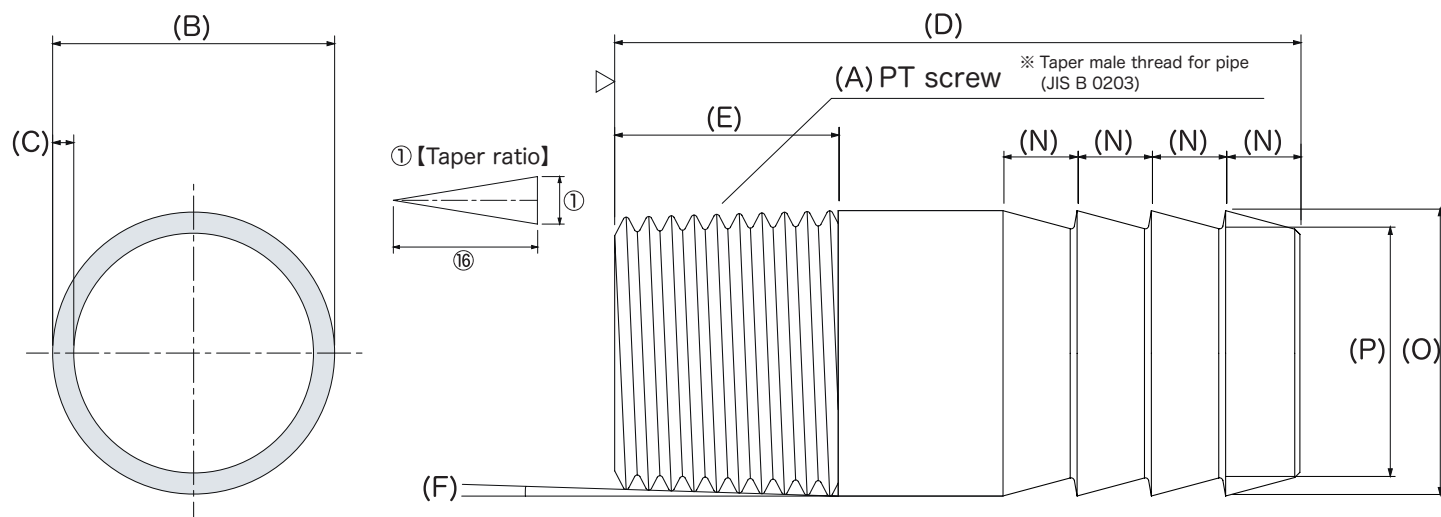


## 【Detailed view of screw】

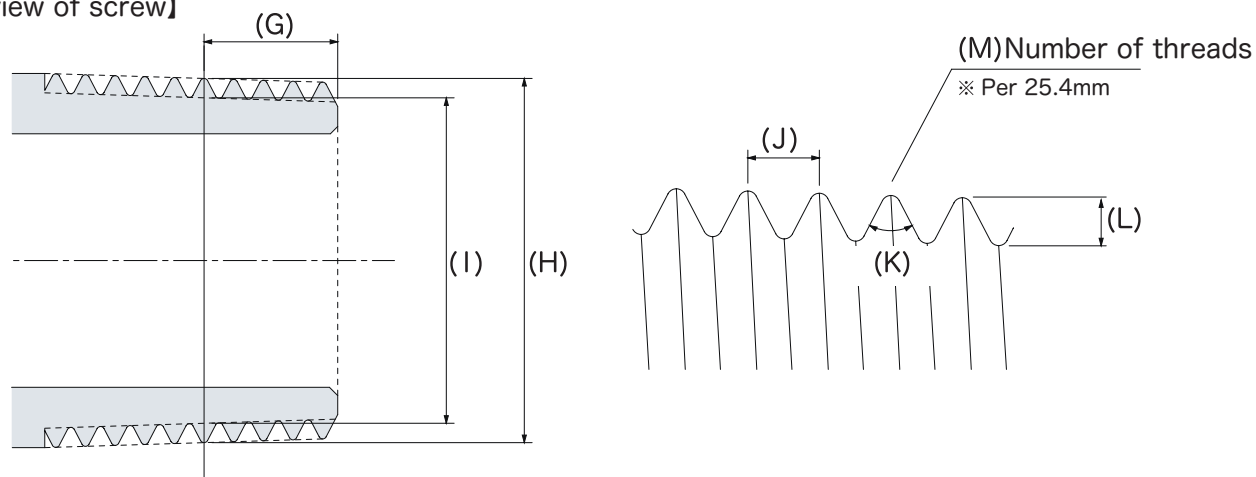


※ Dimensional unit is mm

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

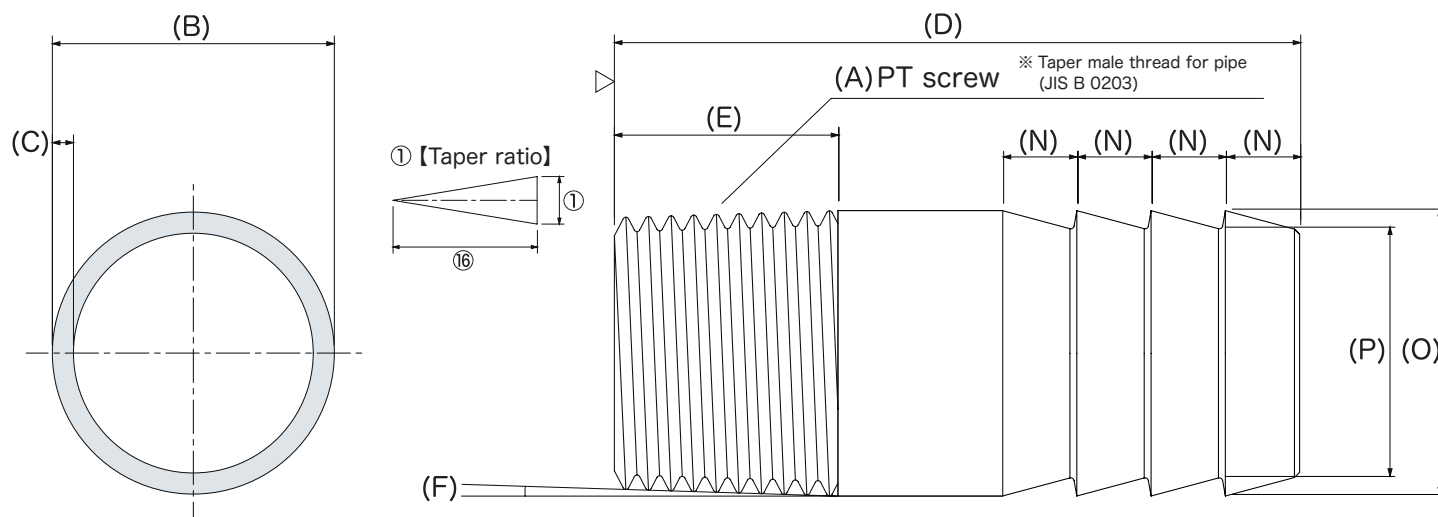


## 【Detailed view of screw】

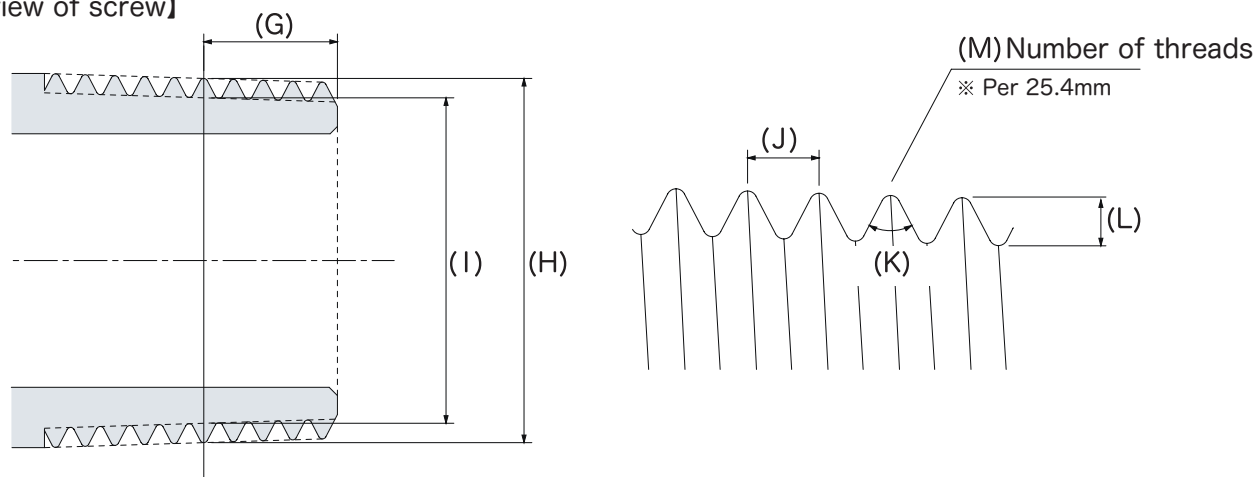


※ Dimensional unit is mm

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



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#### Request on handling

1. Clean the thread and the pipe before piping.  
Foreign matter such as dirt and dust can cause leakage and clogging.
2. Make sure that seal tape, etc., does not enter the pipe.
3. Please refrain from use in applications different from the usage conditions.
4. Be careful not to apply excessive torque or overtighten when screwing.