


# Pipe Fittings (Stainless Steel)

Tapped Union / Threaded Adapter / Threaded Tee / Union for Partition / Port Connector

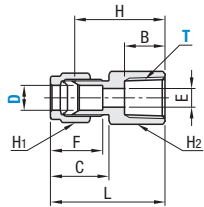
Old product standards the “Fittings for stainless steel pipes” has been moved to our web product listings.

Stainless Steel Pipe Fittings – Tapped Union



RoHS10

SKUF




Includes ferrules (see SKFPK)

Material: 316 Stainless Steel

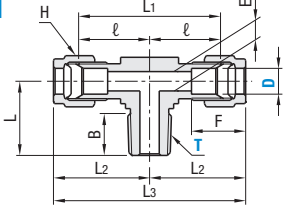
Part Number		R (PT)	T	L	B	C	F	E	H	Opposite Side	
Type	D	T	Rc (PT)							H <sub>1</sub>	H <sub>2</sub>
SKUF	4	1	1/8	34.8	11	17.8	15.3	3.5	27.5	14	14
		2	1/4	35.8	13	17.8	15.3	3.5	28.5	14	17
	6	1	1/8	34.9	11	17.9	15.4	5	27.5	14	14
		2	1/4	35.9	13	17.9	15.4	5	28.5	14	17
	8	3	3/8	37.9	14	17.9	15.4	5	30.5	14	22
		2	1/4	36.8	13	18.8	16.8	6	29	15.87	17
	10	3	3/8	38.8	14	18.8	16.8	6	31	15.87	22
		2	1/4	37.8	13	19.8	17.8	8	30	19	17
	12	3	3/8	39.8	14	19.8	17.8	8	32	19	22
		3	3/8	42.8	14	22.8	22.8	10	32	23	22

Stainless Steel Pipe Fittings – Threaded Tee



RoHS10

SKUTM




Includes ferrules (see SKFPK)

Material: 316 Stainless Steel

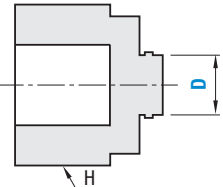
Part Number		R (PT)	T	L	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	ℓ	B	F	E	H
Type	D	T	R (PT)									
SKUTM	4	1	1/8	21	41	27.8	55.6	20.5	11	15.3	3.5	14
		2	1/4	23	43	28.9	57.8	21.5	13	15.4	5	14
	6	1	1/8	22	44	29.8	59.6	22	11	16.8	5	15.87
		2	1/4	23	44	29.8	59.6	22	13	16.8	6	15.87
	8	2	1/4	25	46	30.8	61.6	23	13	17.8	7	19
		3	3/8	30	55	38.3	76.6	27.5	14	22.8	9	23
	10	2	1/4	25	46	30.8	61.6	23	13	17.8	7	19
		3	3/8	30	55	38.3	76.6	27.5	14	22.8	9	23

Stainless Steel Pipe Fittings – Port Connector



RoHS10

SKPGK



Select the same D dimension as that of stainless steel pipe fittings.


Material: 316 Stainless Steel

Part Number		Square Nut H
Type	D	
SKPGK	3.18 (1/8)	12
	4	14
	6	14
	6.35 (1/4)	14
	8	15.87
	9.53 (3/8)	19
	10	19
	12	23
	12.7 (1/2)	23

Values in ( ) for D dimension are by inch.

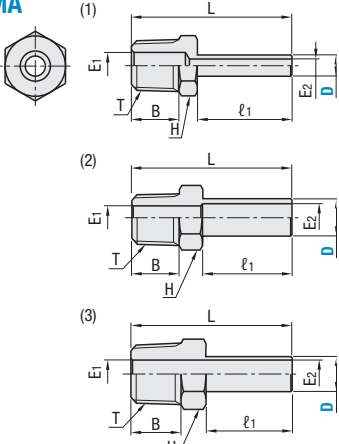
Refer to P.3371 for tightening procedure and structure of joint portion, applicable pipe specification.

Stainless Steel Pipe Fittings – Threaded Adapter



RoHS10


SKMA



Material: 316 Stainless Steel

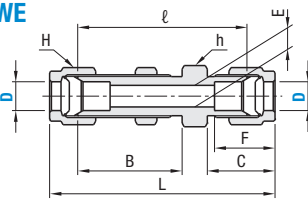
Part Number		R (PT)	Drawing	R (PT)	L	E <sub>1</sub>	E <sub>2</sub>	B	ℓ <sub>1</sub>	H
Type	D	T								
SKMA	4	1	(1)	1/8	30.5	5	2.5	9	18	10
		2	(1)	1/4	34	5	3	10	19	12
	6	1	(1)	1/8	39	6	3	13	19	14
		2	(2)	1/4	34	5	6	10	19	12
	8	2	(3)	1/4	39	6	6	13	19	14
		3	(1)	3/8	40	8	6	14	19	17
	10	2	(2)	1/4	44	6	8	13	24	14
		3	(3)	3/8	45	8	8	14	24	17
	12	3	(2)	3/8	49	9	10	14	28	17

Stainless Steel Pipe Fittings – Union for Partition



RoHS10

SKUWE



Includes ferrules (see SKFPK)

Material: 316 Stainless Steel

Part Number		L	B	C	F	E	h	H	ℓ	Installation Hole Dia.	Max. plate thickness for installation
Type	D										
SKUWE	4	59.6	28	17.8	15.3	3.5	17	14	45	11.5	13
	6	59.8	28	17.9	15.4	5	17	14	45	11.5	13
	8	62.6	29	18.8	16.8	6	17	15.87	47	13.2	13.5
	10	64.6	30	19.8	17.8	8	22	19	49	16.2	14.5
	12	73.6	32	22.8	22.8	10	26	23	52	19.5	16

Part Number Example

SKUF4

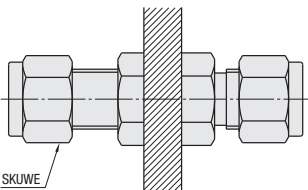
SKUWE6

Part Number

- T

- 2

Application Example




# Pipe Fittings (Stainless Steel)

Ferrule Pack

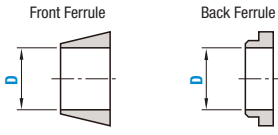
Unable to use in combination with products of old part numbers.

Stainless Steel Pipe Fittings Ferrule Pack



RoHS10

SKFPK



\*Front and back ferrules (1 each) come in a set.

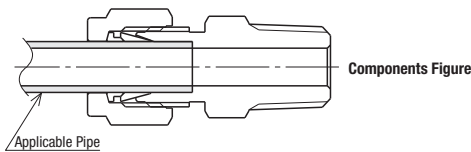
Material: 316 Stainless Steel

Part Number	
Type	D mm (in)
SKFPK	3.18 (1/8)
	4
	6
	6.35 (1/4)
	8
	9.53 (3/8)
	10
	12
	12.7 (1/2)

Values in ( ) for D dimension are by inch.

## Features and Structure of Fittings

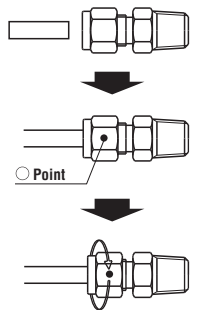
A stainless steel pipe fitting is composed of a main body, a front ferrule, a back ferrule and a nut. Operating temperature range of Stainless Steel Pipe Fitting is -196–600°C.



## Allowable Operating Pressure by Thickness of Stainless Steel Pipe (MPa)

Pipe O.D. (mm)	Thickness (mm)			
	0.5	1.0	1.5	2.0
4	30.7	61.5	—	—
6	—	41.0	61.5	—
8	—	30.7	46.1	—
10	—	24.6	36.9	—
12	—	20.5	30.7	41.0

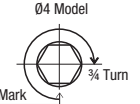
## Tightening Procedure of Fittings



- Insert the pipe into the fitting until the pipe tip hits the shoulder inside without removing the nut.
- Hand-tighten the nut until the end of its rotation. Put a mark on this position as Point.
- Hold the fitting body tightly with a wrench and tighten the nut with another wrench by the rotation number on the right.

Note: For plastic tube connections, use Insert (SKITK) for tubes together without fail and tighten Ø4–Ø12.7 tubes by 1¼–1½ rotations.

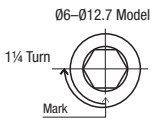
Ø4 Model



Mark

¾ Turn

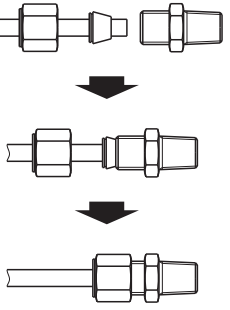
Ø6–Ø12.7 Model



1¼ Turn


Mark

## How to Tighten

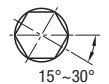


- Be sure to confirm the position of the nut (the standard position for rotation) before loosening it to remove the nut. Make sure that front ferrule is applied at the appropriate position. Make sure that there is no foreign object on the tapered surface, front and rear of the body.
- Insert the pipe all the way until the front ferrule contacts closely, and then tighten the nut by hand. (Insert carefully to avoid the tapered part on the main body being scratched by the pipe end.)
- Tighten a little more past the position before loosening by a wrench.

Position before Tighten the Nut



Retightening Position (Tighten with a little more rotation)



15°~30°

## Applicable Pipe Specification

- Applicable Type of Pipe: Stainless Steel Pipe
- Stainless steel pipes (Pipe Stainless Steel) subject to 304 Stainless Steel and 316 Stainless Steel for stainless steel pipes.
- O.D. Tolerance: ±0.05 mm
- Pipe Surface Hardness: HV190 or Less (HRB90 or Less)
- Condition of Pipe Surface: Avoid using pipes with defects such as surface roughness and scratches.

Part Number Example

SKFPK12.7

Part Number

- T

## Allowable Operating Pressure by Thickness of Stainless Steel Pipe (MPa) (Inch)

Pipe O.D. (mm)	Thickness (mm)		
	1.0	1.5	2.0
6.35 (1/4 Inch)	38.7	58.1	—
9.53 (3/8 Inch)	25.8	38.7	—
12.7 (1/2 Inch)	19.3	29.0	38.7