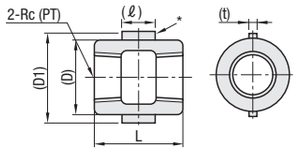
Low Pressure Screw Fittings

Equal Dia.

■Sockets

Type	Material	Surface Treatment
SGPPS	FCMB270	Hot Zinc Plating
SUTPS	SUS304	-
SUTPSS	SUS316	-



RoHS

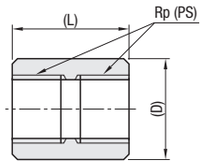
* Only SGPPS has claws on the circumference.

Part Number Type	No.	Rc (PT)	SGPPS (D)	L	(D1)	(ℓ)	(t)	SUTPS, SUTPSS (D)	L	SGPPS Unit Price 1 ~ 9 pc(s).	SGPPS Volume Discount Rate 10 ~ 30 pcs.	SUTPS Unit Price 1 ~ 19 pc(s).	SUTPS Volume Discount Rate 20 ~ 50 pcs.	SUTPSS Unit Price 1 ~ 19 pc(s).	SUTPSS Volume Discount Rate 20 ~ 50 pcs.
SGPPS SUTPS SUTPSS	6A	1/8	15	23	19	13	4	15	23					-	-
	8A	1/4	19	26	22	17	4	19	29						
	10A	3/8	24	31	27	18	5	22	30						
	15A	1/2	28	35	31	20	6	27	38						
	20A	3/4	34	41	37	24	6	33	40						
	25A	1	43	45	46	25	8	40	45						
	32A	1 1/4	51	50	54	28	8	49	51					-	-
	40A	1 1/2	57	55	61	32	9	55.5	54					-	-
	50A	2	70	60	75	34	9	68	64					-	-

For orders larger than indicated quantity, please check with WOS.

■Parallel Female Thread (PS) Socket

Type	Material	Surface Treatment
SGPRP	Carbon Steel Pipes	Hot Zinc Plating
SUTRP	SUS304	-



RoHS

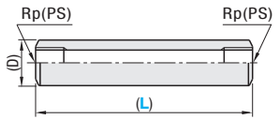
Part Number Type	No.	Rp (PS)	SGPRP (D)	(L)	SUTRP (D)	(L)	SGPRP Unit Price 1 ~ 9 pc(s).	SGPRP Volume Discount Rate 10 ~ 30 pcs.	SUTRP Unit Price 1 ~ 9 pc(s).	SUTRP Volume Discount Rate 10 ~ 30 pcs.
SGPRP SUTRP	6A	1/8	15	19	13.8	20				
	8A	1/4	19	27	17	25				
	10A	3/8	23	28	21	26				
	15A	1/2	28	37	25	33				
	20A	3/4	34.5	39	31	36				
	25A	1	41.5	46	38	43				
	32A	1 1/4	51	51	47	48				

For orders larger than indicated quantity, please check with WOS.

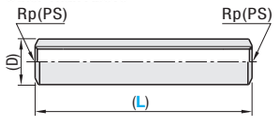
■Double Long Socket

Type	Material	Surface Treatment
SUTPSR	SUS304	-

No.6A·8A·10A-75



Other Than Above



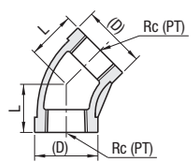
RoHS

Part Number Type	No.	(L) Selection	Rp (PS)	(D)	Unit Price 1 ~ 9 pc(s). L=50	Unit Price 1 ~ 9 pc(s). L=75	Volume Discount Rate 10 ~ 30 pcs. L=50	Volume Discount Rate 10 ~ 30 pcs. L=75
SUTPSR	6A	50 75	1/8	15				
	8A		1/4	19				
	10A		3/8	22				
	15A		1/2	26.5				
	20A		3/4	33				

For orders larger than indicated quantity, please check with WOS.

■45° Elbow

Type	Material	Surface Treatment
SGPHE	FCMB270	Hot Zinc Plating
SUTHE	SCS13A	-



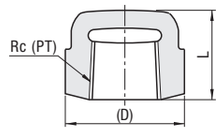
RoHS

Part Number Type	No.	Rc (PT)	SGPHE (D)	L	SUTHE (D)	L	SGPHE Unit Price 1 ~ 9 pc(s).	SGPHE Volume Discount Rate 10 ~ 30 pcs.	SUTHE Unit Price 1 ~ 19 pc(s).	SUTHE Volume Discount Rate 20 ~ 50 pcs.
SGPHE SUTHE	6A	1/8	18	16	17	16				
	8A	1/4	22	17	21	17				
	10A	3/8	26	19	25	19				
	15A	1/2	30	21	28	21				
	20A	3/4	36	25	35	25				
	25A	1	44	29	42	29				

For orders larger than indicated quantity, please check with WOS.

■Caps

Type	Material	Surface Treatment
SGPPC	FCMB270	Hot Zinc Plating
SUTPC	SCS13A	-



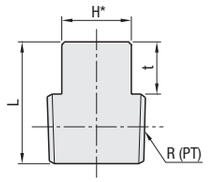
RoHS

Part Number Type	No.	Rc (PT)	SGPPC (D)	L	SUTPC (D)	L	SGPPC Unit Price 1 ~ 9 pc(s).	SGPPC Volume Discount Rate 10 ~ 30 pcs.	SUTPC Unit Price 1 ~ 19 pc(s).	SUTPC Volume Discount Rate 20 ~ 50 pcs.
SGPPC SUTPC	6A	1/8	19	14	18	16				
	8A	1/4	23	15	22	18				
	10A	3/8	26	17	26	20				
	15A	1/2	31	20	30	21				
	20A	3/4	37	24	36	24				
	25A	1	45	28	44	28				
	32A	1 1/4	54	30	53	30				
	40A	1 1/2	61	32	60	32				
	50A	2	74	36	73	36				

For orders larger than indicated quantity, please check with WOS.

■Plugs

Type	Material	Surface Treatment
SGPPP	FCMB270	Hot Zinc Plating
SUPPP	SCS13A	-



RoHS

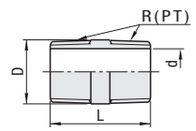
Part Number Type	No.	R (PT)	Square Size H	t	L SGPPP	L SUPPP	SGPPP Unit Price 1 ~ 9 pc(s).	SGPPP Volume Discount Rate 10 ~ 30 pcs.	SUPPP Unit Price 1 ~ 19 pc(s).	SUPPP Volume Discount Rate 20 ~ 50 pcs.
SGPPP SUPPP	6A	1/8	7	7	16	16				
	8A	1/4	9	8	19	19				
	10A	3/8	12	9	21	21				
	15A	1/2	14	10	26	25				
	20A	3/4	17	11	29	28				
	25A	1	19	12	31	31				
	32A	1 1/4	23	13	35	35				
	40A	1 1/2	26	14	36	36				
	50A	2	32	15	41	41				

* Shape of H Part: No.6A ~ 50A = Square

For orders larger than indicated quantity, please check with WOS.

■Round Nipples

Type	Material	Surface Treatment
SGPNP	SGP	Hot Zinc Plating
SUTNP	SUS304	-



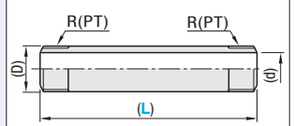
RoHS

Part Number Type	No.	R (PT)	D	L	d SGPNP	d SUTNP	SGPNP Unit Price 1 ~ 9 pc(s).	SGPNP Volume Discount Rate 10 ~ 30 pcs.	SUTNP Unit Price 1 ~ 19 pc(s).	SUTNP Volume Discount Rate 20 ~ 50 pcs.
SGPNP SUTNP	6A	1/8	10.5	24	6.5	6.5		100		130
	8A	1/4	13.8	26	8.7	9.7		100		120
	10A	3/8	17.3	28	12.1	13.1		100		130
	15A	1/2	21.7	34	15.8	15.5		100		150
	20A	3/4	27.2	38	21.6	21.3		100		160
	25A	1	34.0	42	27.8	28.1		150		170
	32A	1 1/4	42.7	50	35.9	35.8		210		240
	40A	1 1/2	48.6	50	41.9	41.8		240		270
	50A	2	60.5	58	53.2	53.6		360		390

For orders larger than indicated quantity, please check with WOS.

■Double Long Nipples

Type	Material	Surface Treatment
SGPNPR	SGP	Hot Zinc Plating
SUTNPR	SUS304	-



RoHS

Part Number Type	No.	(L) Selection	R (PT)	(D) SGPNPR	(D) SUTNPR	(d) SGPNPR	(d) SUTNPR	Unit Price 1 ~ 30 pc(s). SGPNPR L50	SGPNPR L75	SGPNPR L100	SGPNPR L125	SUTNPR L50	SUTNPR L75	SUTNPR L100	SUTNPR L125
SGPNPR SUTNPR	6A	50 75 100 125	1/8	10.5	-	6.2	-					-	-	-	-
	8A		1/4	13.4	13.6	9.2	8.4								
	10A		3/8	17.4	17.2	12.9	13.2								
	15A		1/2	21.9	21.7	16.5	16.0								
	20A		3/4	27.2	27.4	21.5	21.4								

For orders larger than indicated quantity, please check with WOS.

Operating Conditions of Fittings

Fluid State	Max. Operating Pressure (MPa)
Steam, Air, Gas, Oil: Up to 300°C	1.0
Steam, Air, Oil, Pulsating Water: Up to 200°C	1.4
Static Flow Water: Up to 120°C	2.0

*Pulsating Water is a stream of water that is generated under steady operating conditions and variation of pressure and flow rate occurs in cycles. (Except for transitional change)
* Static Flow Water is a non-pulsating stream of water.
* As fittings are cast products, ( ) dimensions such as (D) and (L2) are for reference, not guaranteed.

Ordering Example: Part Number - L
SGPPS8A - 75
SGPNPR8A - 75

Low Pressure Screw Fittings

Equal Dia.

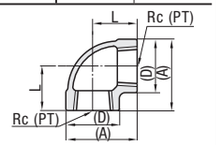
Points of comparison between similar products

① JIS Standard Compliant, ② Thick, Hearyweight, High Strength, ③ RoHS Compliant

■90° Elbow

RoHS

Type	M Material	S Surface Treatment
SGPPE	FCMB270	Hot Zinc Plating
SUTPE	SCS13A	-
SUTPES	SCS14A	-



* For SUTPES, 32A~50A are not provided.

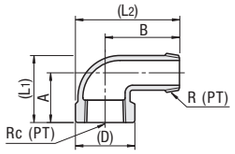
Part Number Type	No.	Rc (PT)	SGPPE (D)	SGPPE L	SGPPE (A)	SUTPE, SUTPES (D)	SUTPE, SUTPES L	SUTPE, SUTPES (A)	SGPPE Unit Price 1 ~ 9 pc(s).	SGPPE Volume Discount Rate 10 ~ 30 pcs.	SUTPE Unit Price 1 ~ 9 pc(s).	SUTPE Volume Discount Rate 10 ~ 30 pcs.	SUTPES Unit Price 1 ~ 19 pc(s).	SUTPES Volume Discount Rate 20 ~ 50 pcs.
SGPPE SUTPE SUTPES*	6A	1/8	15	17	24.5	22	19	30						
	8A	1/4	19	19	28.5	22	19	30						
	10A	3/8	24	23	35	26	23	36						
	15A	1/2	28	27	41	30	27	42						
	20A	3/4	34	32	49	36	32	50						
	25A	1	43	38	59.5	44	38	60						
	32A	1 1/4	51	46	71.5	53	46	74					-	-
	40A	1 1/2	57	48	76.5	60	48	78					-	-
	50A	2	70	57	92	73	57	95					-	-

For orders larger than indicated quantity, please check with WOS.

■Male / Female Elbows

RoHS

Type	M Material	S Surface Treatment
SGPPEL	FCMB270	Hot Zinc Plating
SUTPEL	SCS13A	-



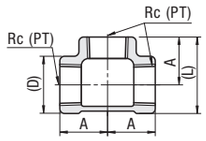
Part Number Type	No.	R, Rc (PT)	SGPPEL (D)	SGPPEL (L1)	SGPPEL (L2)	SGPPEL A	SGPPEL B	SUTPEL (D)	SUTPEL (L1)	SUTPEL (L2)	SUTPEL A	SUTPEL B	SGPPEL Unit Price 1 ~ 9 pc(s).	SGPPEL Volume Discount Rate 10 ~ 30 pcs.	SUTPEL Unit Price 1 ~ 19 pc(s).	SUTPEL Volume Discount Rate 20 ~ 50 pcs.
SGPPEL SUTPEL	6A	1/8	19	23	36	17	26	14.5	22	33	17	26				
	8A	1/4	22	26	42	19	30	19	24.3	39.5	19	30				
	10A	3/8	27	31	48	23	35	23	29.8	46.5	23	35				
	15A	1/2	31	38	56	27	40	27	35.8	53.5	27	40				
	20A	3/4	36	45	66	32	47	33	43.3	63.5	32	47				
	25A	1	45	55	76.5	38	54	41	52.5	74.5	38	54				
	32A	1 1/4	55	67	89.5	46	62	50	64	87	46	62				
	40A	1 1/2	62	72	99	48	68	56	68.5	96	48	68				
	50A	2	75	87	116.5	57	79	69	83	113.5	57	79				

For orders larger than indicated quantity, please check with WOS.

■Tees

RoHS

Type	M Material	S Surface Treatment
SGPPT	FCMB270	Hot Zinc Plating
SUTPT	SCS13A	-



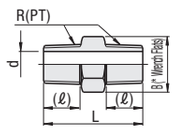
Part Number Type	No.	Rc (PT)	SGPPT (D)	SGPPT (L)	SGPPT A	SUTPT (D)	SUTPT (L)	SUTPT A	SGPPT Unit Price 1 ~ 9 pc(s).	SGPPT Volume Discount Rate 10 ~ 30 pcs.	SUTPT Unit Price 1 ~ 19 pc(s).	SUTPT Volume Discount Rate 20 ~ 50 pcs.
SGPPT SUTPT	6A	1/8	16	25.5	17	22	30	19				
	8A	1/4	20	29	19	22	30	19				
	10A	3/8	24	35.5	23	26	36	23				
	15A	1/2	28	42	27	30	42	27				
	20A	3/4	34	50	32	36	50	32				
	25A	1	43	59.5	38	44	60	38				
	32A	1 1/4	51	71.5	46	53	73	46				
	40A	1 1/2	57	76.5	48	60	78	48				
	50A	2	70	92	57	73	94	57				

For orders larger than indicated quantity, please check with WOS.

■Hex Nipples

RoHS

Type	M Material	S Surface Treatment
SGPNR	FCMB270	Hot Zinc Plating
SUTNR	SCS13A	-
SUTNRS	SCS14A	-



* Shape of B Part: No.6A ~ 40A = Hex, 50A = Octagon

Part Number Type	No.	R(PT)	B*	L	(ℓ)	d SGPNR	d SUTNR	d SUTNRS	SGPNR Unit Price 1 ~ 9 pc(s).	SGPNR Volume Discount Rate 10 ~ 30 pcs.	SUTNR Unit Price 1 ~ 19 pc(s).	SUTNR Volume Discount Rate 20 ~ 50 pcs.	SUTNRS Unit Price 1 ~ 19 pc(s).	SUTNRS Volume Discount Rate 20 ~ 50 pcs.
SGPNR SUTNR SUTNRS	6A	1/8	14	32	11	5	5	5.0						
	8A	1/4	17	34	12	7	7	6.8						
	10A	3/8	21	36	13	9	9	9.0						
	15A	1/2	26	42	16	13	13	13.2						
	20A	3/4	32	47	18	18	16	15.8						
	25A	1	38	52	20	24	22	21.7						
	32A	1 1/4	46	56	22	32	30	30.1						
	40A	1 1/2	54	60	23	37	35	-					-	-
	50A	2	63	66	25	48	47	-					-	-

For orders larger than indicated quantity, please check with WOS.

Ordering Example — Part Number: SUTPE20A

Applicable Standards

■**Similar Parts**: JIS B 2301, JIS B 2302, JIS B 0203 Complaint

■**C-VALUE Products**: ISO 4144 Complaint, GB/T 7306 Equivalent

■Fitting Material

Fitting Type	Steel	Stainless Steel
Low Pressure Screw Fittings	Casting: FCMB270 (Malleable Casting) or Equivalent * Customers who are particular about external appearance should note that surface is rough because of limitations in the manufacturing process.	Casting: SCS13A (SUS304 Equivalent) SCS14A (SUS316 Equivalent) or Equivalent
High Pressure Screw Fittings	S25C or Equivalent	SCS13A (SUS304 Equivalent)

Pressure, Temperature Standards

■**Similar Part, C-VALUE Products Common Specifications**

Fluid State (°C)	Max. Operating Pressure (Mpa)
Steam, Air, Gas, Oil: Up to 300°C	1.0
Steam, Air, Oil, Pulsating Water: Up to 200°C	1.4
Static Flow Water: Up to 120°C	2.0

* Pulsating Water is a stream of water that is generated under steady operating conditions and variation of pressure and flow rate occurs in cycles.
* Static Flow Water is a non-pulsating stream of water.

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

MISUMI C-VALUE

Low Pressure Screw Fittings

Equal Dia.

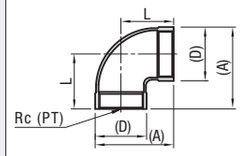
For similar parts P.1273

Points of comparison between similar products

① ISO Standard Equivalent, ② Thin, Lightweight, ③ Not RoHS Compliant

■90° Elbow

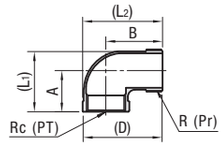
Type	M Material
C-SUTPE	SCS13A



Part Number Type	No.	Rc (PT)	(D)	L	(A)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 29 pcs.	30 ~ 50 pcs.
C-SUTPE	6A	1/8	15	17	24.5			
	8A	1/4	18.5	19	28.5			
	10A	3/8	22	23	34			
	15A	1/2	26.5	27	40.5			
	20A	3/4	32	32	48			
	25A	1	41.5	38	60			

■Male / Female Elbows

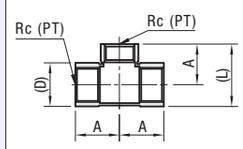
Type	M Material
C-SUTPEL	SCS13A



Part Number Type	No.	R, Rc(PT)	(D)	(L1)	(L2)	A	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 29 pcs.	30 ~ 50 pcs.
C-SUTPEL	6A	1/8	15	21	33.5	17	26			
	8A	1/4	18.5	24.5	36.0	19	27			
	10A	3/8	22	30.5	40	23	29			
	15A	1/2	26.5	36.5	48.5	27	35			
	20A	3/4	32	44	56	32	40			
	25A	1	41.5	53	67	38	46			

■Tees

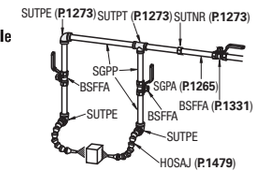
Type	M Material
C-SUTPT	SCS13A



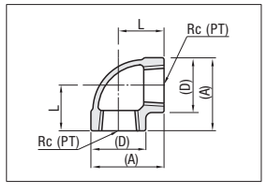
Part Number Type	No.	Rc (PT)	(D)	(L)	A	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 29 pcs.	30 ~ 50 pcs.
C-SUTPT	6A	1/8	15	24.5	17			
	8A	1/4	18.5	28	19			
	10A	3/8	22	34	23			
	15A	1/2	26.5	40.5	27			
	20A	3/4	32	48	32			
	25A	1	41.5	59	38			

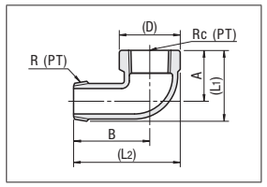
Ordering Example — Part Number: C-SUTPE20A

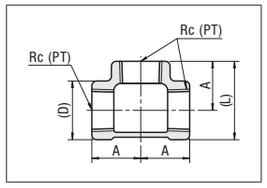
ex Example



Minimum Thickness Dimension, Weight







■90° Elbow

Thickness and weight are for reference, and should not be used as quality criteria.

No.	Rc (PT)	Minimum Thickness (mm) Similar Part	Minimum Thickness (mm) C-VALUE Products	Weight (g) Similar Part	Weight (g) C-VALUE Products
6A	1/8	2.8	2.5	55	25
8A	1/4	3.2	2.9	50	40
10A	3/8	3.2	2.9	75	45
15A	1/2	3.5	1.6	120	70
20A	3/4	3.5	1.7	185	110
25A	1	3.5	1.9	295	200

■Male/Female Elbows

Thickness and weight are for reference, and should not be used as quality criteria.

No.	R, Rc(PT)	Minimum Thickness (mm) Similar Part	Minimum Thickness (mm) C-VALUE Products	Weight (g) Similar Part	Weight (g) C-VALUE Products
6A	1/8	2.8	1.1	30	20
8A	1/4	3	1.5	40	30
10A	3/8	3	1.5	60	45
15A	1/2	3.5	2	85	70
20A	3/4	3.5	2	150	110
25A	1	3.5	2	240	190

■Tees

Thickness and weight are for reference, and should not be used as quality criteria.

No.	Rc (PT)	Minimum Thickness (mm) Similar Part	Minimum Thickness (mm) C-VALUE Products	Weight (g) Similar Part	Weight (g) C-VALUE Products
6A	1/8	3.2	2.5	90	25
8A	1/4	3.2	2.9	80	45
10A	3/8	3.2	2.9	105	75
15A	1/2	3.2	1.6	165	100
20A	3/4	3.2	1.7	240	165
25A	1	3.4	1.9	410	320

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

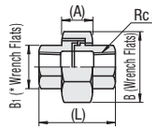
Low Pressure Screw Fittings

Equal Dia. / Reducing

Union

RoHS

Type	Material	Surface Treatment
SGPPU	FCMB270	Hot Zinc Plating
SUTPU	SCS13A	-



Part Number Type	No.	Rc (PT)	SGPPU B1	(L)	(A)	B	SUTPU B1	(L)	(A)	B	SGPPU Unit Price 1 ~ 9 pc(s).	SGPPU Volume Discount Rate 10 ~ 30 pcs.	SUTPU Unit Price 1 ~ 9 pc(s).	SUTPU Volume Discount Rate 10 ~ 30 pcs.
SGPPU SUTPU	6A	1/8	15	30	13	25	16	30	13	27				
	8A	1/4	19	33.5	13.5	31	20	34	14	34				
	10A	3/8	23	38	16	37	25	38	16	40				
	15A	1/2	27	41	17	42	30	41	17	46				
	20A	3/4	33	51	18.5	49	34	43	17	55				
	25A	1	41	54	20	59	44	51	20	64				

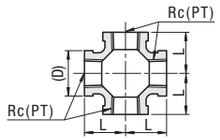
* Shape of B1 Part: SUTPU6A, 8A: 2-Flat, SUTPU10A, 15A: Hex, SUTPU20A, 25A: Octagon, SGPPU: Octagon

Features:
These fittings can be removed by loosening the nuts, and thus, require no twist of pipes themselves.

Cross

RoHS

Type	Material	Surface Treatment
SGPCS	FCMB270	Hot Zinc Plating
SUTCS	SCS13A	-



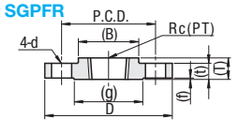
Part Number Type	No.	Rc (PT)	SGPCS (D)	L	SUTCS (D)	L	SGPCS Unit Price 1 ~ 9 pc(s).	SGPCS Volume Discount Rate 10 ~ 30 pcs.	SUTCS Unit Price 1 ~ 9 pc(s).	SUTCS Volume Discount Rate 10 ~ 30 pcs.
SGPCS SUTCS	8A	1/4	22	19	22	19				
	10A	3/8	26	23	26	23				
	15A	1/2	30	27	30	27				
	20A	3/4	36	32	36	32				
	25A	1	44	38	44	38				

Flanges

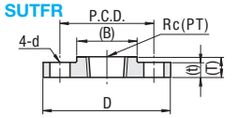
RoHS

Type	Material	Surface Treatment
SGPFR	FCMB270	Hot Zinc Plating
SUTFR	SCS13A	-

SGPFR



SUTFR



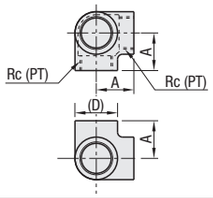
Part Number Type	No.	Rc (PT)	D	(T)	(t)	(B)	(f)	(g)	P.C.D.	d	Applicable Bolt Dia.	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30 pcs.
SGPFR	15A	1/2	95	16	12	38	1	51	70	15	M12		
	20A	3/4	100	18	14	42	1	56	75	15	M12		
	25A	1	125	18	14	49	1	67	90	19	M16		
	32A	1 1/4	135	21	16	64	2	76	100	19	M16		
	40A	1 1/2	140	21	16	68	2	81	105	19	M16		
	50A	2	155	22	16	82	2	96	120	19	M16		

Part Number Type	No.	Rc (PT)	D	(T)	(t)	(B)	P.C.D.	d	Applicable Bolt Dia.	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30 pcs.
SUTFR	15A	1/2	95	16	10	30	70	15	M12		
	20A	3/4	100	18	12	36	75	15	M12		
	25A	1	125	18	12	43	90	19	M16		
	32A	1 1/4	135	21	14	54	100	19	M16		
	40A	1 1/2	140	21	14	60	105	19	M16		
	50A	2	155	22	14	74	120	19	M16		

3-Way Elbows

RoHS

Type	Material	Surface Treatment
SGSTL	FCMB270	Hot Zinc Plating

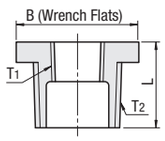


Part Number Type	No.	Rc (PT)	(D)	A	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30 pcs.
SGSTL	15A	1/2	28	26		
	20A	3/4	34	30		
	25A	1	43	38		

Bushings

RoHS

Type	Material	Surface Treatment
SGPPB	FCMB270	Hot Zinc Plating
SUTPB	SCS13A	-



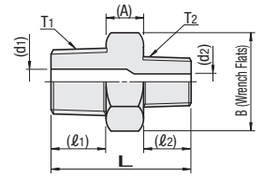
Part Number Type	No.	Rc (PT) T1	R(PT) T2	L	B	SGPPB Unit Price 1 ~ 9 pc(s).	SGPPB Volume Discount Rate 10~30 pcs.	SUTPB Unit Price 1 ~ 19 pc(s).	SUTPB Volume Discount Rate 20 ~ 50 pcs.
SGPPB SUTPB	12	1/8	1/4	17	17				
	13	1/8	3/8	18	21				
	14	1/8	1/2	21	26				
	23	1/4	3/8	18	21				
	24	1/4	1/2	21	26				
	26	1/4	3/4	24	32				
	28	1/4	1	27	38				
	34	3/8	1/2	21	26				
	36	3/8	3/4	24	32				
	38	3/8	1	27	38				
	46	1/2	3/4	24	32				
	48	1/2	1	27	38				
	68	3/4	1	27	38				
	610	3/4	1 1/4	30	46				
	810	1	1 1/4	30	46				
	812	1	1 1/2	32	54				
	1012	1 1/4	1 1/2	32	54				
	1016	1 1/4	2	36	63				
	1216	1 1/2	2	36	63				

No. 1016 and 1216 have octagonal B part. All other parts are hex.

Reducing Nipples

RoHS

Type	Material
STUNPS	SCS13A
STUNPSS	SCS14A

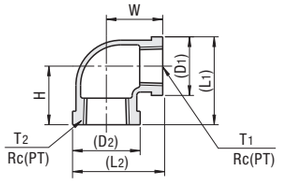


Part Number Type	No.	R (PT) T1	T2	B	STUNPS L	(A)	(ℓ1)	(ℓ2)	(d1)	(d2)	STUNPSS L	(A)	(ℓ1)	(ℓ2)	(d1)	(d2)	Unit Price STUNPS 1~9 pc(s).	STUNPS 10~30 pcs.	Unit Price STUNPSS 1~9 pc(s).	STUNPSS 10~30 pcs.
STUNPS STUNPSS	12	1/4	1/8	17	33	10.0	12.0	10.0	7.0	5.0	28	8.0	12.0	7.6	7.5	5.0				
	13	3/8	1/8	21	34	9.3	13.0	11.2	9.0	5.1	29	7.8	13.1	7.6	10.9	4.9				
	23	3/8	1/4	21	35	9.8	12.9	11.9	8.9	6.9	33	8.1	12.9	12.0	10.9	7.4				
	24	1/2	1/4	26	38	10.5	15.7	11.7	13.0	7.0	36	8.1	16.3	11.9	14.5	4.6				
	34	1/2	3/8	26	39	10.0	16.0	12.9	13.1	9.1	37	8.5	15.5	12.9	14.4	10.9				
	36	3/4	3/8	32	42	11.3	18.3	13.0	15.8	9.0	39	8.5	17.5	12.3	19.9	11.0				
	46	3/4	1/2	32	45	11.5	18.5	16.3	16.0	13.0	42	8.2	17.9	15.5	20.0	14.5				
	48	1	1/2	38	48	12.0	20.2	16.4	22.0	13.1	45	8.3	20.8	15.9	25.5	14.5				
	68	1	3/4	38	50	11.8	20.1	18.0	22.1	16.1	47	8.4	20.9	17.6	25.5	20.0				

Reducing Elbows

RoHS

Type	Material	Surface Treatment
SGPED	FCMB270	Hot Zinc Plating
SUTED	SCS13A	-

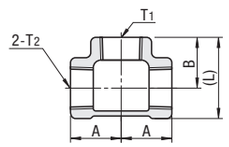


Part Number Type	No.	Rc (PT) T1	T2	SGPED (D1)	(D2)	(L1)	(L2)	W	H	SUTED (D1)	(D2)	(L1)	(L2)	W	H	SGPED Unit Price 1 ~ 9 pc(s).	SGPED Volume Discount Rate 10~30 pcs.	SUTED Unit Price 1 ~ 9 pc(s).	SUTED Volume Discount Rate 10~30 pcs.
SGPED SUTED	24	1/4	1/2	23	31	36	40	24	24	22	30	35	39	24	24				
	34	3/8	1/2	27	31	39	42	25	26	26	30	39	40	25	26				
	36	3/8	3/4	27	37	42	47	28	28	26	36	41	46	28	28				
	46	1/2	3/4	28	35	44	49	30	29	30	36	44	48	30	29				
	48	1/2	1	28	42	46	54	33	32	30	44	47	55	32	33				
	68	3/4	1	34	43	52	57	35	34	36	44	52	57	35	34				

Reducing Tees

RoHS

Type	Material	Surface Treatment
SGPPTD	FCMB270	Hot Zinc Plating
SUTPTD	SCS13A	-



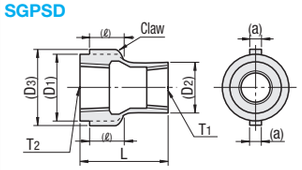
Part Number Type	No.	Rc (PT) T1	T2	SGPPTD (L)	A	B	SUTPTD (L)	A	B	SGPPTD Unit Price 1 ~ 9 pc (s).	SGPPTD Volume Discount Rate 10~30 pcs.	SUTPTD Unit Price 1 ~ 9 pc (s).	SUTPTD Volume Discount Rate 10~30 pcs.
SGPPTD SUTPTD	24	1/4	1/2	40.5	24	24	39	24	24				
	34	3/8	1/2	41	26	25	40	26	25				
	36	3/8	3/4	47	28	28	46	28	28				
	46	1/2	3/4	48	29	30	48	29	30				

Reducing Sockets

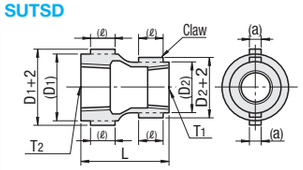
RoHS

Type	Material	Surface Treatment
SGPSD	FCMB270	Hot Zinc Plating
SUTSD	SCS13A	-

SGPSD



SUTSD



Part Number Type	No.	Rc (PT) T1	T2	SGPSD L	(D1)	(D2)	(D3)	(a)	(ℓ)	SUTSD L	(D1)	(D2)	(a)	(ℓ)
SGPSD SUTSD	12	1/8	1/4	26	23	19	-	-	-	25	19	15	4	8
	13	1/8	3/8	29	27	19	-	-	-	28	23	19	5	9
	23	1/4	3/8	29	27	23	-	-	-	28	23	19	5	9
	24	1/4	1/2	35	31	23	-	-	-	34	27	23	5	11
	34	3/8	1/2	35	31	27	-	-	-	34	27	23	5	11
	36	3/8	3/4	38	38	27	-	-	-	38	33	27	6	12
	46	1/2	3/4	38	34	28	38	6	18	38	33	27	6	12
	48	1/2	1	43	42	28	46	7	20	42	41	33	6	14
	68	3/4	1	43	42	34	46	8	20	42	41	33	6	14

No.	Unit Price SGPSD 1~9 pc (s).	SGPSD 10~30 pcs.	Unit Price SUTSD 1~9 pc (s).	SUTSD 10~30 pcs.
12				
13				
23				
24				
34				
36				
46				
48				
68				

SGPSD12 ~ 36 and SUTSD13 have no claws.

Operating Conditions of Fittings

Fluid State	Max. Operating Pressure (Mpa)
Steam, Air, Gas, Oil: Up to 300°C	1.0
Steam, Air, Oil, Pulsating Water: Up to 200°C	1.4
Static Flow Water: Up to 120°C	2.0

*Pulsating Water is a stream of water that is generated under steady operating conditions and variation of pressure and flow rate occurs in cycles. (Except for transitional change)
* Static Flow Water is a non-pulsating stream of water.
* As fittings are cast products, ( ) dimensions such as (D) and (T) are for reference, not guaranteed.

Ordering Example

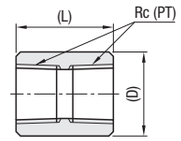
Part Number
SGPSD12

High Pressure Screw Fittings

Equal Dia. / Reducing

Sockets RoHS

Type	Material
SGPPSH	S25C
SUTPSH	SCS13A

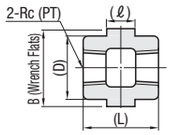


Part Number Type	No.	Rc (PT)	SGPPSH (D)	SGPPSH (L)	SUTPSH (D)	SUTPSH (L)	SGPPSH Unit Price 1 ~ 4 pc(s).	SGPPSH Volume Discount Rate 5~20 pcs.	SUTPSH Unit Price 1 ~ 4 pc(s).	SUTPSH Volume Discount Rate 5~20 pcs.
SGPPSH SUTPSH	6A	1/8	19	22	19	26				
	8A	1/4	22	25	22	28				
	10A	3/8	28	28	25	33				
	15A	1/2	32	32	32	37				
	20A	3/4	38	38	38	42				
	25A	1	46	45	45	45				
	32A	1 1/4	58	50	55	52				
	40A	1 1/2	63	55	65	56				
	50A	2	76	60	75	66				

For orders larger than indicated quantity, please check with WOS.

Hex Sockets RoHS

Type	Material
SGPSH	S25C

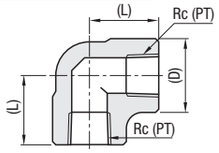


Part Number Type	No.	Rc (PT)	B	(ℓ)	(D)	(L)	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~20 pcs.
SGPSH	8A	1/4	22	8	22	28		
	10A	3/8	27	9	27	33		
	15A	1/2	32	9	32	37		
	20A	3/4	38	12	38	42		
	25A	1	46	13	46	45		
	32A	1 1/4	58	14	56	52		

For orders larger than indicated quantity, please check with WOS.

Elbows RoHS

Type	Material
SGPPEH	S25C
SUPESH	SCS13A

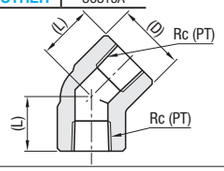


Part Number Type	No.	Rc (PT)	SGPPEH (D)	SGPPEH (L)	SUPESH (D)	SUPESH (L)	SGPPEH Unit Price 1 ~ 4 pc(s).	SGPPEH Volume Discount Rate 5~20 pcs.	SUPESH Unit Price 1 ~ 4 pc(s).	SUPESH Volume Discount Rate 5~20 pcs.
SGPPEH SUPESH	6A	1/8	23	21.6	23	21.6				
	8A	1/4	23	21.6	23	21.6				
	10A	3/8	27	25.5	27	25.5				
	15A	1/2	34	28.9	34	28.9				
	20A	3/4	39	33.1	39	33.1				
	25A	1	47	38.2	47	38.2				
	32A	1 1/4	56	44.6	56	45.0				
	40A	1 1/2	63	51.1	63	50.8				
	50A	2	76	58.0	76	60.1				

For orders larger than indicated quantity, please check with WOS.

45°Elbows RoHS

Type	Material
SGPHEH	S25C
SUTHEH	SCS13A

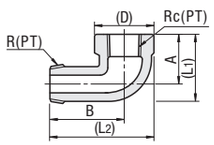


Part Number Type	No.	Rc (PT)	SGPHEH (D)	SGPHEH (L)	SUTHEH (D)	SUTHEH (L)	SGPHEH Unit Price 1 ~ 4 pc(s).	SGPHEH Volume Discount Rate 5~20 pcs.	SUTHEH Unit Price 1 ~ 4 pc(s).	SUTHEH Volume Discount Rate 5~20 pcs.
SGPHEH SUTHEH	8A	1/4	23	18.4	23	18.4				
	10A	3/8	27	18.9	27	18.9				
	15A	1/2	34	24.1	34	24.1				
	20A	3/4	39	26.7	39	26.7				
	25A	1	47	30.3	47	30.3				
	32A	1 1/4	56	35.5	56	35.5				
	40A	1 1/2	63	39.6	63	39.6				
	50A	2	76	46.4	76	46.4				

For orders larger than indicated quantity, please check with WOS.

Male/Female Elbows RoHS

Type	Material
SGPELH	S25C
SUTELH	SCS13A

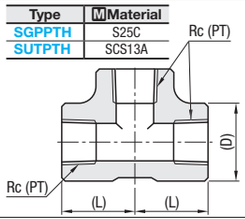


Part Number Type	No.	R Rc (PT)	SGPELH (D)	SGPELH (L1)	SGPELH (L2)	SGPELH A	SGPELH B	SUTELH (D)	SUTELH (L1)	SUTELH (L2)	SUTELH A	SUTELH B	SGPELH Unit Price 1 ~ 9 pc(s).	SGPELH Volume Discount Rate 10 ~ 30 pcs.	SUTELH Unit Price 1 ~ 19 pc(s).	SUTELH Volume Discount Rate 20~50pcs.
SGPELH SUTELH	8A	1/4	24	30	41	21	27	25	32.5	45	22	32				
	10A	3/8	24	35	41	25	28	33	39.5	55	25	38				
	15A	1/2	32	41	51	29	35	38	44.5	61	28	41				
	20A	3/4	36	47	59	33	40	46	55.5	72	35	48				
	25A	1	46	57	74	38	48	56	70.5	86	44	57				

For orders larger than indicated quantity, please check with WOS.

Tees RoHS

Type	Material
SGPPTH	S25C
SUTPTH	SCS13A

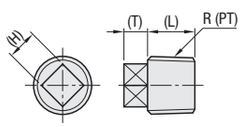


Part Number Type	No.	Rc (PT)	SGPPTH (D)	SGPPTH (L)	SUTPTH (D)	SUTPTH (L)	SGPPTH Unit Price 1 ~ 4 pc(s).	SGPPTH Volume Discount Rate 5~20 pcs.	SUTPTH Unit Price 1 ~ 4 pc(s).	SUTPTH Volume Discount Rate 5~20 pcs.
SGPPTH SUTPTH	8A	1/4	23	21.6	23	21.6				
	10A	3/8	27	25.5	27	25.5				
	15A	1/2	34	28.9	34	28.9				
	20A	3/4	39	33.1	39	33.1				
	25A	1	47	38.2	47	38.2				
	32A	1 1/4	56	44.6	56	45.0				
	40A	1 1/2	63	51.1	63	50.8				
	50A	2	76	58.0	76	60.1				

For orders larger than indicated quantity, please check with WOS.

Plugs RoHS

Type	Material
SGPPPJ	S25C
SUPPPJ	SCS13A

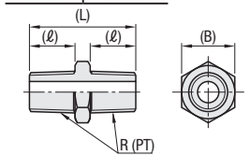


Part Number Type	No.	R (PT)	SGPPPJ (L)	SGPPPJ (T)	SGPPPJ (H)	SUPPPJ (L)	SUPPPJ (T)	SUPPPJ (H)	SGPPPJ Unit Price 1 ~ 4 pc(s).	SGPPPJ Volume Discount Rate 5~20 pcs.	SUPPPJ Unit Price 1 ~ 4 pc(s).	SUPPPJ Volume Discount Rate 5~20 pcs.
SGPPPJ SUPPPJ	8A	1/4	11	9	9	11	7	9				
	10A	3/8	12	10	12	12	9	12				
	15A	1/2	15	11	14	15	10	14				
	20A	3/4	17	12	17	17	11	17				
	25A	1	19	13	19	20	12	21				
	32A	1 1/4	22	14	23	22	13	23				
	40A	1 1/2	22	15	26	22	14	28				
	50A	2	26	16	32	26	15	33				

For orders larger than indicated quantity, please check with WOS.

Hex Nipples RoHS

Type	Material
SGPNRJ	S25C
SUTNRJ	SCS13A

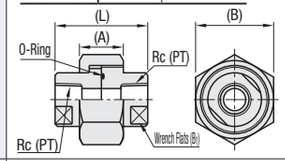


Part Number Type	No.	R (PT)	SGPNRJ (ℓ)	SGPNRJ (L)	SGPNRJ (B)	SUTNRJ (ℓ)	SUTNRJ (L)	SUTNRJ (B)	SGPNRJ Unit Price 1 ~ 4 pc(s).	SGPNRJ Volume Discount Rate 5~20 pcs.	SUTNRJ Unit Price 1 ~ 4 pc(s).	SUTNRJ Volume Discount Rate 5~20 pcs.
SGPNRJ SUTNRJ	6A	1/8	11	27	12	10	28	12				
	8A	1/4	15	35	17	12	34	14				
	10A	3/8	15	37	19	13	36	19				
	15A	1/2	17	43	23	16	42	23				
	20A	3/4	20	49	29	18	47	29				
	25A	1	22	54	35	20	52	35				
	32A	1 1/4	22	56	46	22	56	46				
	40A	1 1/2	25	62	50	23	60	50				
	50A	2	29	72	63	25	66	63				

For orders larger than indicated quantity, please check with WOS.

Unions (With O-Ring) RoHS

Type	Material: Main Body	Material: O-Ring
SGPPUJ	S25C	Nitrile Rubber
SUTPUJ	SCS13A	



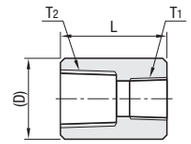
Part Number Type	No.	Rc (PT)	SGPPUJ (B1)	SGPPUJ (L)	SGPPUJ (A)	SGPPUJ (B)	SUTPUJ (B1)	SUTPUJ (L)	SUTPUJ (A)	SUTPUJ (B)	O-Ring	SGPPUJ Unit Price 1 ~ 4 pc(s).	SGPPUJ Volume Discount Rate 5~20 pcs.	SUTPUJ Unit Price 1 ~ 4 pc(s).	SUTPUJ Volume Discount Rate 5~20 pcs.
SGPPUJ SUTPUJ	8A	1/4	22	38	18	32	22	38	18	32	P18				
	10A	3/8	26	40	20	41	26	40	20	41	P20				
	15A	1/2	32	44	22	46	32	44	22	46	G25				
	20A	3/4	38	50	26	54	38	50	26	54	G30				
	25A	1	47	56	28	63	47	56	28	63	G35				
	32A	1 1/4	58	62	30	74	58	62	30	74	G45				
	40A	1 1/2	63	70	32	80	63	70	32	80	G50				
	50A	2	76	76	36	95	76	76	36	95	G65				

Features: These fittings can be removed by loosening the nuts, and thus, require no twist of pipes themselves.

For orders larger than indicated quantity, please check with WOS.

Reducing Sockets RoHS

Type	Material
SGPSDJ	S25C
SUTSSJ	SCS13A

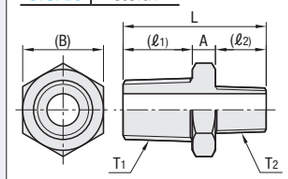


Part Number Type	No.	Rc (PT) T1	Rc (PT) T2	SGPSDJ L	SGPSDJ (D)	SUTSSJ L	SUTSSJ (D)	SGPSDJ Unit Price 1 ~ 9 pc(s).	SGPSDJ Volume Discount Rate 10 ~ 30 pcs.	SUTSSJ Unit Price 1 ~ 9 pc(s).	SUTSSJ Volume Discount Rate 10 ~ 30 pcs.
SGPSDJ SUTSSJ	12	1/8	1/4	25	22	28	22				
	23	1/4	3/8	28	28	33	25				
	24	1/4	1/2	32	32	32	32				
	34	3/8	1/2	32	32	37	32				
	36	3/8	3/4	38	38	42	38				
	46	1/2	3/4	38	38	42	38				
	48	1/2	1	45	46	45	45				
	68	3/4	1	45	46	45	45				

For orders larger than indicated quantity, please check with WOS.

Reducing Nipples RoHS

Type	Material
SGPNPJ	S25C
STUPDJ	SCS13A

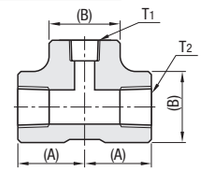


Part Number Type	No.	R (PT) T1	R (PT) T2	L	SGPNPJ A	SGPNPJ (B)	SGPNPJ (ℓ1)	SGPNPJ (ℓ2)	STUPDJ A	STUPDJ (B)	STUPDJ (ℓ1)	STUPDJ (ℓ2)	SGPNPJ Unit Price 1 ~ 9 pc(s).	SGPNPJ Volume Discount Rate 10 ~ 30 pcs.	STUPDJ Unit Price 1 ~ 9 pc(s).	STUPDJ Volume Discount Rate 10 ~ 30 pcs.
SGPNPJ STUPDJ	12	1/4	1/8	32	8	17	14	10	-	-	-	-			-	-
	23	3/8	1/4	36	9	21	14	13	9	19	14	13				
	24	1/2	1/4	39	9	26	17	13	9	23	17	13				
	34	1/2	3/8	40	9	26	17	14	9	23	17	14				
	36	3/4	3/8	43	10	32	19	14	-	-	-	-				
	46	3/4	1/2	46	10	32	19	17	10	29	19	17				
	48	1	1/2	49	11	35	21	17	12	35	20	17				
	68	1	3/4	51	11	35	21	19	11	35	21	19				

For orders larger than indicated quantity, please check with WOS.

Reducing Tees RoHS

Type	Material
SGPTDJ	S25C

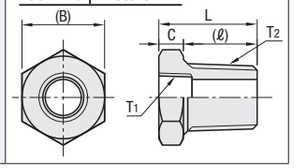


Part Number Type	No.	Rc (PT) T1	Rc (PT) T2	(A)	(B)	Unit Price 1 ~ 9 pc (s).	Volume Discount Rate 10 ~ 30 pcs.
SGPTDJ	24	1/4	1/2	28.5	33		
	34	3/8	1/2	28.9	33		
	36	3/8	3/4	35.1	38		
	46	1/2	3/4	35.1	38		

For orders larger than indicated quantity, please check with WOS.

Bushings RoHS

Type	Material
SGPPBJ	S25C
SUTPBJ	SCS13A



Part Number Type	No.	T1 Rc (PT)	T2 R (PT)	SGPPBJ (B)	SGPPBJ L	SGPPBJ C	SGPPBJ (ℓ)	SUTPBJ (B)	SUTPBJ L	SUTPBJ C	SUTPBJ (ℓ)	SGPPBJ Unit Price 1 ~ 9 pc(s).	SGPPBJ Volume Discount Rate 10 ~ 30 pcs.	SUTPBJ Unit Price 1 ~ 9 pc(s).	SUTPBJ Volume Discount Rate 10 ~ 30 pcs.
SGPPBJ SUTPBJ	12	1/8	1/4	17	20	5	15	17	17	5	12				
	23	1/4	3/8	19	22	7	15	19	18	5	13				
	24	1/4	1/2	23	26	9	17	23	21	5	16				
	26	1/4	3/4	29	29	9	20	29	24	6	18				
	34	3/8	1/2	23	26	9	17	23	21	5	16				
	36	3/8	3/4	29	29	9	20	29	24	6	18				
	38	3/8	1	35	32	10	22	35	27	7	20				
	46	1/2	3/4	29	29	9	20	29	24	6	18				
	48	1/2	1	35	32	10	22	35	27	7	20				
	68	3/4	1	35	32	10	22	35	30	7	20				

For orders larger than indicated quantity, please check with WOS.

Fitting Specifications

Fitting Material	Steel S25C of JIS G4051 or Equivalent Stainless Steel SUS304TP of JIS G3459 or Equivalent
Max. Operating Temp.	S25C 350°C O Ring 100°C SUS30 4800°C
Max. Operating Pressure	20.6MPa
Applicable Pipe	Plumbing with Carbon Steel Pipes, JIS G3454, 3455, 3456 Plumbing with Stainless Steel Pipes, JIS G3459

* S25C material is made of JIS B2316, while SUS304 material is made of JIS B2316.

As fittings are cast products, ( ) dimensions such as (L) and (T) are for reference, not guaranteed.

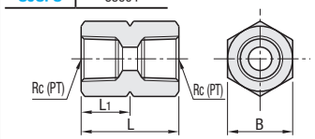
Ordering Example

Part Number
SGPPEH6A
SGPSDJ12

Screw Fittings
Brass

■Sockets

Type	Material
SJSFS	C3604

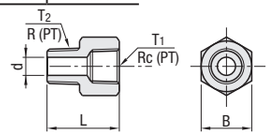


Part Number Type	No.	Rc (PT)	L	L1	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSFS	6A	1/8	21	10.5	14		
	8A	1/4	28	14	17		
	10A	3/8	32	16	21		
	15A	1/2	40	20	26		

For orders larger than indicated quantity, please check with WOS.

■Female/Male Sockets

Type	Material
SJSXS	C3604

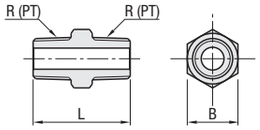


Part Number Type	No.	Rc (PT) T1	R (PT) T2	L	d	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSXS	6A	1/8	1/8	20	5	14		
	8A	1/4	1/4	24	8	17		
	10A	3/8	3/8	28	11	21		
	15A	1/2	1/2	33	15	26		

For orders larger than indicated quantity, please check with WOS.

■Nipples

Type	Material
SJSRN	C3604

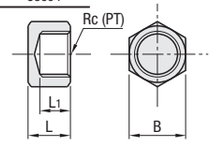


Part Number Type	No.	R (PT)	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSRN	6A	1/8	22	12		
	8A	1/4	28	14		
	10A	3/8	33	17		
	15A	1/2	38	22		

For orders larger than indicated quantity, please check with WOS.

■Caps

Type	Material
SJSCP	C3604

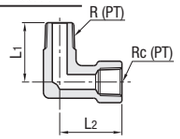


Part Number Type	No.	Rc (PT)	L	L1	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSCP	6A	1/8	9	7	12		
	8A	1/4	11	9	16		
	10A	3/8	14	12	19		
	15A	1/2	15	13	24		

For orders larger than indicated quantity, please check with WOS.

■Female/Male Elbows

Type	Material
SJSXL	C3771

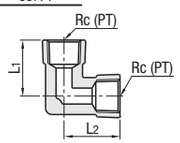


Part Number Type	No.	R, Rc (PT)	L1	L2	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSXL	6A	1/8	19	22		
	8A	1/4	24	25		
	10A	3/8	28	29		
	15A	1/2	32	34		

For orders larger than indicated quantity, please check with WOS.

■Elbows

Type	Material
SJSFL	C3771

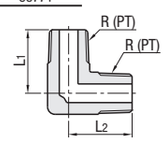


Part Number Type	No.	Rc (PT)	L1	L2	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSFL	6A	1/8	22	22		
	8A	1/4	25	25		
	10A	3/8	29	29		
	15A	1/2	34	34		

For orders larger than indicated quantity, please check with WOS.

■Male Elbows

Type	Material
SJSML	C3771

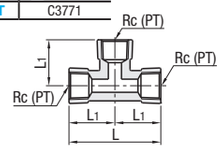


Part Number Type	No.	R (PT)	L1	L2	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSML	6A	1/8	17	17		
	8A	1/4	22	22		
	10A	3/8	25	25		
	15A	1/2	29	29		

For orders larger than indicated quantity, please check with WOS.

■Tees

Type	Material
SJSFT	C3771

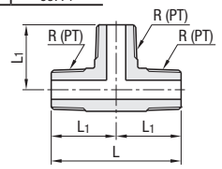


Part Number Type	No.	Rc (PT)	L	L1	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSFT	6A	1/8	44	22			
	8A	1/4	50	25			
	10A	3/8	58	29			
	15A	1/2	68	34			

For orders larger than indicated quantity, please check with WOS.

■Male Tees

Type	Material
SJSMT	C3771

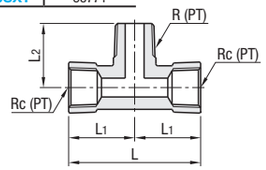


Part Number Type	No.	R (PT)	L	L1	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSMT	6A	1/8	34	17		
	8A	1/4	44	22		
	10A	3/8	50	25		
	15A	1/2	58	29		

For orders larger than indicated quantity, please check with WOS.

■Female/Male Tees

Type	Material
SJSXT	C3771

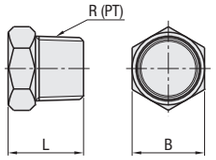


Part Number Type	No.	R·Rc (PT)	L	L1	L2	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSXT	6A	1/8	44	22	19		
	8A	1/4	50	25	24		
	10A	3/8	58	29	28		
	15A	1/2	68	34	32		

For orders larger than indicated quantity, please check with WOS.

■Plugs

Type	Material
SJSPG	C3604

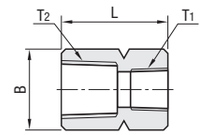


Part Number Type	No.	R (PT)	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSPG	6A	1/8	14	12		
	8A	1/4	18	16		
	10A	3/8	21	19		
	15A	1/2	25	21		

For orders larger than indicated quantity, please check with WOS.

■Reducing Hex Sockets

Type	Material
SJSFSD	C3604

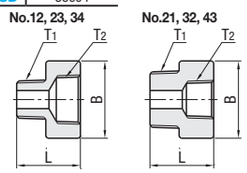


Part Number Type	No.	Rc (PT) T1	Rc (PT) T2	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSFSD	12	1/8	1/4	26	17		
	13	1/8	3/8	28	21		
	23	1/4	3/8	30	21		
	24	1/4	1/2	36	26		
	34	3/8	1/2	38	26		
	36	3/8	3/4	44	32		
	46	1/2	3/4	46	32		

For orders larger than indicated quantity, please check with WOS.

■Reducing Female/Male Sockets

Type	Material
SJSXSD	C3604

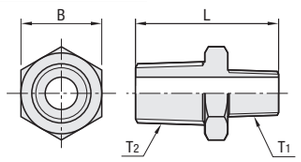


Part Number Type	No.	R (PT) T1	Rc (PT) T2	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSXSD	12	1/8	1/4	22	17		
	21	1/4	1/8	22	14		
	23	1/4	3/8	26	21		
	32	3/8	1/4	26	17		
	34	3/8	1/2	31	26		
	43	1/2	3/8	30	22		

For orders larger than indicated quantity, please check with WOS.

■Reducing Hex Nipples

Type	Material
SJSRND	C3604

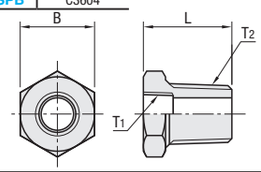


Part Number Type	No.	R (PT) T1	R (PT) T2	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSRND	12	1/8	1/4	26	14		
	13	1/8	3/8	29	17		
	23	1/4	3/8	31	17		
	24	1/4	1/2	34	22		
	34	3/8	1/2	36	22		
	36	3/8	3/4	41	27		
	46	1/2	3/4	43	27		

For orders larger than indicated quantity, please check with WOS.

■Bushings

Type	Material
SJSPB	C3604



Part Number Type	No.	Rc (PT) T1	R (PT) T2	L	B	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
SJSPB	12	1/8	1/4	16	17		
	13	1/8	3/8	19	19		
	23	1/4	3/8	19	19		
	24	1/4	1/2	21	24		
	34	3/8	1/2	21	24		
	36	3/8	3/4	25	30		
	46	1/2	3/4	25	30		

For orders larger than indicated quantity, please check with WOS.

Fitting Specifications

Operating Temperature Range	-50 ~ 150°C (No Freezing)
Max. Operating Pressure	6.9MPa

Ordering Example

Part Number
SJSMT6A

Thread Conversion Fittings

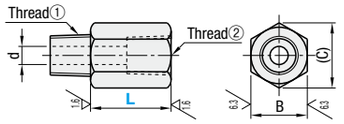
L Fixed Type / L Configurable Type

RoHS

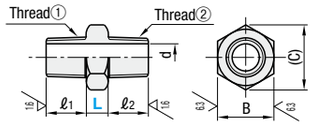
Type						Material	Surface Treatment	Max. Operating Pressure
L Fixed			L Configurable					
Male/Female Threads	Both Ends Male Threads	Both Ends Female Threads	Male/Female Threads	Both Ends Male Threads	Both Ends Female Threads			
APMTF	APMMF	APMFF	APMTFL	APMMFL	APMFFL	Steel for General Structure	Electroless Nickel Plating	20.6MPa
APMTS	APMMS	APMFS	APMTSL	APMMSL	APMFSL	SUS303	-	
APMTY	APMMY	APMFY	APMTYL	APMMYL	APMFYL	Brass	-	

Thread JIS B 0203 R (PT)
JIS B 0202 G (PF): ISO 228-1 Interchangeable
ANSI/ASME B.1.20.1-1983 (NPT)

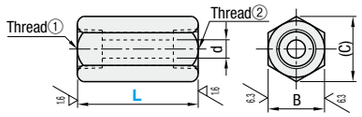
Male/Female Threads



Both Ends Male Threads



Both Ends Female Threads



* Max. allowable operating pressure for M5 type is 1MPa or less.
* Male Threaded Side of M5 Type is provided with a nylon washer.

■Male/Female Threads

Part Number Type	Thread Shape①	No.	T (PT) G (PF) N (NPT)	Thread Shape②	No.	T (PT) G (PF) N (NPT)	L Fixed	L 1mm Increment	B	(C)	d	Unit Price L Fixed Type APMTF	APMTS	APMTY	L Configurable APMTFL	APMTSL	APMTYL
L Fixed Type APMTF APMTS APMTY	T (PT) G (PF) N (NPT)	1	1/8	-	M5	-	15	16~30	13	14.4	4.2						
				T (PT) G (PF) N (NPT) 1	1	1/8	15	16~30	13	14.4	4.5						
				2	2	1/4	20	21~35	17	19.6	4.5						
		2	1/4	-	M5	-	15	16~30	17	19.6	4.2						
				T (PT) G (PF) N (NPT)	1	1/8	15	16~30	17	19.6	4.5						
					2	1/4	20	21~35	17	19.6	6.5						
					3	3/8	20	21~35	19	21.9	6.5						
L Configurable APMTFL APMTSL APMTYL		3	3/8		2	1/4	20	21~35	19	21.9	9						
					3	3/8	20	21~35	19	21.9	9						
					4	1/2	25	26~40	24	27.7	9						
		4	1/2		3	3/8	20	21~35	24	27.7	10						
					4	1/2	25	26~40	24	27.7	10						

■Both Ends Male Threads

Part Number Type	Thread Shape①	No.	T (PT) G (PF) N (NPT)	Thread Shape②	No.	T (PT) G (PF) N (NPT)	L Fixed	L 1mm Increment	B	(C)	ℓ1	ℓ2	d	Unit Price L Fixed Type APMMF	APMMS	APMMY	L Configurable APMMFL	APMMSL	APMMYL
L Fixed Type APMMF APMMS APMMY	T (PT) G (PF) N (NPT)	1	1/8	-	M5	-	10	11~30	13	14.4	10	7.5	3						
				T (PT) G (PF) N (NPT) 1	1	1/8			13	14.4	10	10	4.5						
				2	2	1/4			17	19.6	10	12	4.5						
		2	1/4	-	M5	-			17	19.6	12	7.5	3						
				T (PT) G (PF) N (NPT)	1	1/8			17	19.6	12	10	4.5						
					2	1/4			17	19.6	12	12	6.5						
					3	3/8			19	21.9	12	13	6.5						
L Configurable APMMFL APMMSL APMMYL		3	3/8		2	1/4			19	21.9	13	12	6.5						
					3	3/8			19	21.9	13	13	9						
					4	1/2			24	27.7	13	17	9						
		4	1/2		3	3/8			24	27.7	17	13	9						
					4	1/2			24	27.7	17	17	10						

■Both Ends Female Threads

Part Number Type	Thread Shape①	No.	T (PT) G (PF) N (NPT)	Thread Shape②	No.	T (PT) G (PF) N (NPT)	L Fixed	L 1mm Increment	B	(C)	d	Unit Price L Fixed Type APMFF	APMFS	APMFY	L Configurable APMFFL	APMFSL	APMFYL
L Fixed Type APMFF APMFS APMFY	T (PT) G (PF) N (NPT)	1	1/8	-	M5	-	20	21~35	13	14.4	4.2						
				T (PT) G (PF) N (NPT) 1	1	1/8	20	21~35	13	14.4	8.2						
				2	2	1/4	20	21~35	17	19.6	8.2						
		2	1/4	-	M5	-	25	26~40	17	19.6	4.2						
				T (PT) G (PF) N (NPT)	1	1/8	25	26~40	17	19.6	8.2						
					2	1/4	25	26~40	17	19.6	10.9						
					3	3/8	25	26~40	19	21.9	10.9						
L Configurable APMFFL APMFSL APMFYL		3	3/8		2	1/4	25	26~40	19	21.9	10.9						
					3	3/8	30	31~45	19	21.9	14.2						
					4	1/2	35	36~50	24	27.7	14.2						
		4	1/2		3	3/8	35	36~50	24	27.7	14.2						
					4	1/2	35	36~50	24	27.7	17.8						

Ordering Example

Part Number	-	Thread Shape①	-	Thread Shape②	-	L
APMTF	-	T2	-	G3		
APMMSL	-	G1	-	M5	-	L20

Extension Fittings

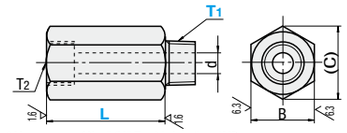
L Selectable

RoHS

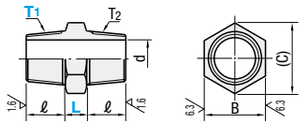
Type						Material	Surface Treatment	Max. Operating Pressure
Male/Female Threads		Both Ends Male Threads		Both Ends Female Threads				
Equal Dia.	Reducing	Equal Dia.	Reducing	Equal Dia.	Reducing			
-	EXTGBD	EXMGB	-	-	-	Steel for General Structure	Black Oxide	20.6MPa
EXTG	EXTGD	EXMG	-	EXFG	EXFGD		Electroless Nickel Plating	
EXTGS	EXTGSD	EXMGS	EXMGSD	EXFGS	EXFGSD	SUS303	-	

Thread JIS B 0203 R (PT)
JIS B 0202 G (PF): ISO 228-1 Interchangeable
ANSI/ASME B.1.20.1-1983 (NPT)

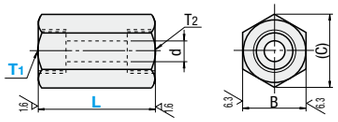
Male/Female Threads



Both Ends Male Threads



Both Ends Female Threads



* Mx. pressure of No. 5 (M5 Type) is less than 1MPa.
* No. 5 (M5 Type) is provided with a nylon washer.

* For No. 5-L15, the thread may go through.

■Male/Female Threads

Part Number Type	No.	L Selection	R/Rc (PT) / M (Coarse) T1 / T2	B	(C)	d	Unit Price EXTG	EXTGS
Equal Dia. EXTG EXTGS	1	20 25 30	1/8	14	16.2	4.5		
	2	25 30 35	1/4	19	21.9	6.5		
	3	30 35 40	3/8	24	27.7	9.0		
	4	35 40 45	1/2	27	31.2	10.0		
	5	15 20	M5	8	9.2	2.0		

■Male/Female Threads I.D. d

T1	d	T1	d
M5	2.0 (3.0)	NPT1/8	4.5
R1/8	4.5	NPT1/4	6.5
R1/4	6.5	NPT3/8	9.0
R3/8	9.0	NPT1/2	10.0
R1/2	10.0		

( ) is applicable to Reducing Type.

Part Number Type	No.	M (Coarse) / R (PT) / NPT Selection T1	L Selection	Rc (PT) T2	B	(C)	Unit Price EXTGBD	EXTGD	EXTGSD
Reducing EXTGBD EXTGD EXTGSD	1	5 (M5) 1N (NPT1/8)	20 25 30	1/8	14	16.2			
	2	1 (1/8) 2N (NPT1/4)	25 30 35	1/4	19	21.9			
	3	1 (1/8) 2 (1/4) 3N (NPT3/8)	30 35 40	3/8	24	27.7			
	4	2 (1/4) 3 (3/8) 4N (NPT1/2)	35 40 45	1/2	27	31.2			

■Male/Female Reducing Type, Male Length ℓ

T1	ℓ
1/8	11
1/4	13
3/8	15
1/2	17
M5	6

■Both Ends Male Threads

Part Number Type	No.	L Selection	R (PT) / M (Coarse) T1 / T2	B	(C)	d	ℓ	Unit Price EXMGB	EXMG	EXMGS
Equal Dia. EXMGB EXMG EXMGS	1	10 15 20	1/8	14	16.2	4.5	10			
	2		1/4	19	21.9	6.5	10			
	3		3/8	24	27.7	9.0	12			
	4		1/2	27	31.2	10.0	17			
	5	5 10 15	M5	8	9.2	3.0	7.5			

Part Number Type	No.	M (Coarse) / R (PT) / NPT Selection T1	L Selection	R (PT) T2	B	(C)	ℓ	d	Unit Price
Reducing EXMGSD	1	5 (M5) 1N (NPT1/8)	10 15 20	1/8	14	16.2	10	3	
	2	1 (1/8) 2N (NPT1/4)		1/4	19	21.9	10	4.5	
	3	1 (1/8) 2 (1/4) 3N (NPT3/8)		3/8	24	27.7	12	4.5	
	4	2 (1/4) 3 (3/8) 4N (NPT1/2)		1/2	27	31.2	17	6.5	

■Both Ends Female Threads

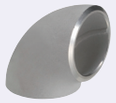
Part Number Type	No.	L Selection	Rc (PT) / M (Coarse) T1 / T2	B	(C)	d	Unit Price EXFG	EXFGS
Equal Dia. EXFG EXFGS	1	20 25 30	1/8	14	16.2	8.2		
	2	25 30 35	1/4	19	21.9	10.9		
	3	30 35 40	3/8	24	27.7	14.4		
	4	35 40 45	1/2	27	31.2	18.0		
	5	15 20 25	M5	8	9.2	4.2		

Part Number Type	No.	M (Coarse) / R (PT) / NPT Selection T1	L Selection	Rc (PT) T2	B	(C)	d	Unit Price EXFGD	EXFGSD
Reducing EXFGD EXFGSD	1	5 (M5) 1N (NPT1/8)	20 25 30	1/8	14	16.2	4.2		
	2	1 (1/8) 2N (NPT1/4)	25 30 35	1/4	19	21.9	8.2		
	3	1 (1/8) 2 (1/4) 3N (NPT3/8)	30 35 40	3/8	24	27.7	8.2		
	4	2 (1/4) 3 (3/8) 4N (NPT1/2)	35 40 45	1/2	27	31.2	10.9		

Ordering Example

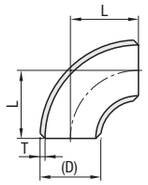
Part Number	-	T1	-	L
EXTG3			-	30
EXTGSD4	-	3	-	40

90° Elbow Short



RoHS

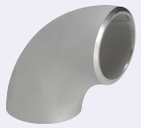
Type	Material
WEJES	SUS304W



Part Number Type	No.	(D)	L	T	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
WEJES	25A	34	25.4	2.8		
	32A	42.7	31.8	2.8		

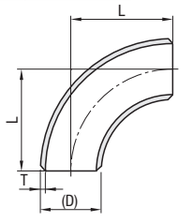
For orders larger than indicated quantity, please check with WOS.

90° Elbow Long



RoHS

Type	Material
WEJELS	SUS304W



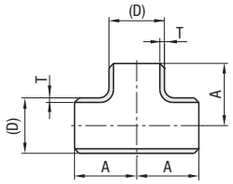
Part Number Type	No.	(D)	L	T	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
WEJELS	15A	21.7	38.1	2.1		
	20A	27.2	38.1	2.1		
	25A	34	38.1	2.8		
	32A	42.7	47.6	2.8		

For orders larger than indicated quantity, please check with WOS.

Tees

RoHS

Type	Material
WEJTS	SUS304W



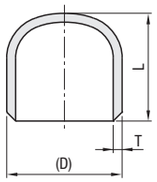
Part Number Type	No.	(D)	A	T	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
WEJTS	15A	21.7	25.4	2.1		
	20A	27.2	28.6	2.1		
	25A	34	38.1	2.8		
	32A	42.7	47.6	2.8		

For orders larger than indicated quantity, please check with WOS.

Caps

RoHS

Type	Material
WEJCS	SUS304



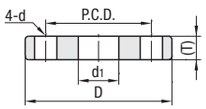
Part Number Type	No.	(D)	L	T	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
WEJCS	15A	21.7	25.4	2.1		
	20A	27.2	25.4	2.1		
	25A	34	38.1	2.8		
	32A	42.7	38.1	2.8		

For orders larger than indicated quantity, please check with WOS.

Flanges

RoHS

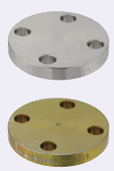
Type	Material
SGPFRW	SS400
SUTFRW	SUS304



Part Number Type	No.	D	(T)	P.C.D.	d	d1	Applicable Bolt Dia.	SGPFRW Unit Price 1 ~ 9 pc(s).	SGPFRW Volume Discount Rate 10 ~ 30 pcs.	SUTFRW Unit Price 1 ~ 9 pc(s).	SUTFRW Volume Discount Rate 10 ~ 30 pcs.
SGPFRW SUTFRW	10A	90	12	65	15	17.8	M12				
	15A	95	12	70	15	22.2	M12				
	20A	100	14	75	15	27.7	M12				
	25A	125	14	90	19	34.5	M16				

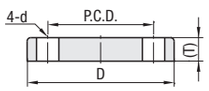
For orders larger than indicated quantity, please check with WOS.

Blind Flanges



RoHS

Type	Material
SGPFRB	SS400
SUTFRB	SUS304



Part Number Type	No.	D	(T)	P.C.D.	d	Applicable Bolt Dia.	SGPFRB Unit Price 1 ~ 9 pc(s).	SGPFRB Volume Discount Rate 10 ~ 30 pcs.	SUTFRB Unit Price 1 ~ 9 pc(s).	SUTFRB Volume Discount Rate 10 ~ 30 pcs.
SGPFRB SUTFRB	10A	90	12	65	15	M12				
	15A	95	12	70	15	M12				
	20A	100	14	75	15	M12				
	25A	125	14	90	19	M16				

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number
WEJES25A

Specifications per Pipe Type

Application	Main Pipe	Main Pipe Fittings	Operating Temp.	Max. Operating Pressure	Tensile Yield Strength
Tap Water	Unplasticized Poly (Vinyl Chloride) (PVC-U) Pipes VP for Tap Water	TS Fittings	Ambient Temperature (5~35°C)	0.75MPa (Static Water)	45MPa or more (For 23°C)
Force-feed	Unplasticized Poly (Vinyl Chloride) (PVC-U) Pipes VP	TS Fittings		1.0MPa (Static Water + Water Impact Resistance)	
Water Supply	Unplasticized Poly (Vinyl Chloride) (PVC-U) Pipes HI-VP for Tap Water Impact Resistance	HI Fittings		0.75MPa (Static Water)	40MPa or more (For 23°C)

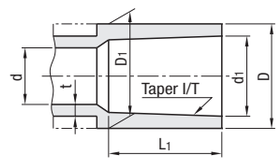
(CAUTION)1. Operating temperature and pressure may vary depending on the type of fittings and conjugation methods.
2. Note that the faster the flow within pipes, the higher the pressure of water is. Keep the flow rate under 2m/s as a principle.
3. PVC pipes will expand/contract by temperature variations, and exposed plumbing of the pipes require treatments to take this consideration.

Performance Standards (TS Fittings / HI Fittings Common)

Item	Performance Standards
Turbidity	0.5 or less
Color	1 or less
Organic (TOC)	1mg/L or less
Lead	0.008mg/L or less
Zinc	0.5mg/L or less
Reduction of Residual Chlorine	0.7mg/L or less

Characteristics	Item	Unit	VP Pipes / TS Fittings	HI - VP Pipes / HI Fittings	Testing Method
Physical Properties	Color	-	Gray	Blue Gray	-
	Specific Gravity	-	1.43	1.4	JIS K 7112 Density Gradient Centrifugation 20°C
	Hardness	Rockwell R	115	115	ASTM D 785 20°C
	Moisture Absorption Ratio	For a week in ambient temperature mg/cm²	0.15 or lower	0.15 or lower	-
Mechanical Properties	Tensile Strength	MPa (kgf/cm²)	49~54 (500~550)	49~52 (500~530)	JIS K6742 23°C and other
	Young's Modulus	MPa (kgf/cm²)	2942 (3x10000)	2942 (3x10000)	JIS K7113 20°C
	Tensile Elongation at Breakage	%	50~150	50~150	JIS K6741 23°C
	Flexural Strength	MPa (kgf/cm²)	78.5~98.1 (800~1000)	78.5~98.1 (800~1000)	JIS K 7203 20°C 65%RH
	Elastic Modulus	MPa (kgf/cm²)	2746 (2.8x10000)	2746 (2.8x10000)	JIS K 7203 20°C 65%RH
	Compression Strength	MPa (kgf/cm²)	69 (700)	64 (650)	JIS K 7208 20°C 65%RH
	Poisson Ratio	-	0.35~0.4	0.35~0.4	-
	Charpy Impact Strength	kj/m2 (kgf·cm/cm²)	6.9~9.8 (7~10)	17.7 or more	-
Thermal Characteristics	Vicat Softening Temperature	°C	76 or more	76 or more	JIS K6742
	Linear Thermal Expansion Coefficient	1/°C	6~8x10-5	6~8x10-5	-
	Specific Heat	J (kg·K) (cal/g·°C)	1.05x1000 (0.25)	1.05x1000 (0.25)	-
	Heat Transfer Coefficient	W (m·K) (kcal/m·h·°C)	0.15 (0.13)	0.15 (0.13)	DIN 8061
	Combustibility	-	Self-Extinguishing	Self-Extinguishing	-
Electrical Characteristics	Withstanding Voltage	kV/mm	40 or more	40 or more	-
	Specific Volume Resistivity	Ω·cm	5.3x1015	5.3x1015	30°C 65%RH
	Dielectric Constant 60Hz	-	3.2	3.2	30°C 55%RH
	Dielectric Constant 1000 Hz	-	3.1	3.1	-
	Dielectric Constant 1000000 Hz	-	3	3	-
	Power Factor 60Hz	100	1.18	1.18	30°C 55%RH
	Power Factor 1000 Hz	100	1.91	1.91	-
	Power Factor 1000000 Hz	100	1.72	1.72	-

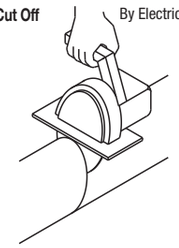
Listed Values are for reference, not guaranteed.



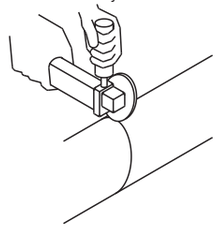
Nominal	d1	Tolerance of d1	D·D1	Tolerance of D ~ D1	I/T	L1	d (min.)	t (min.)
13	18.4	±0.2	24	-0.6	1/30	26	13	2.7
16	22.4	±0.2	29	-0.7	1/34	30	16	2.7
20	26.45	±0.2	33	-0.8	1/34	35	20	3.2
25	32.55	±0.25	40	-1.0	1/34	40	25	3.6
30	38.6	±0.25	46	-1.0	1/34	44	31	3.6

• How to Cut Off

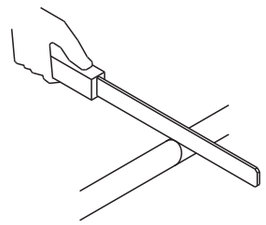
By Electric Circular Saw



By Disk Sander



By PVC Pipe Saw



Cut perpendicular to axis of pipe, using cut line as a guide.

• How to Bond

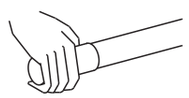
Cleaning

Clean the inside of fittings and outer surface of insertion part with dry cloth.

Applying Adhesive

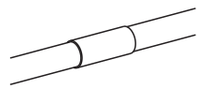
Apply adhesive evenly with the inside of fittings, and then outer surface of insertion part in circular order.

Insertion



Insert the pipe into the fitting up to the marking line in one stroke after applying adhesive, and hold it for 30 seconds or more.

Completed



Wipe off extra adhesive immediately, and prevent excessive pressure on the junction.

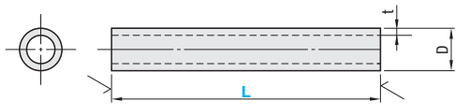
PVC Pipes / PVC Fittings

TS Fittings / HI Fittings

For dimension of the junction on fittings, see Dimension Table in Overview on **P.1286**. For specifications / application of each material, see Overview in **P.1286**.

■PVC Pipe

Type	Material	Standards	Color
PVCT	PVC	JIS K 6742	Gray
PVCH	Impact Resistance PVC		Blue Gray



Note that pipe O.D. may have some scratches or small flaws on its surface.

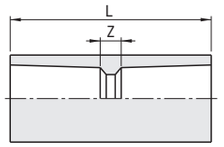
Part Number Type	No.	L 1mm Increment	O.D. D	D Tolerance	Thickness t	t Tolerance	I.D. (Reference Value)	Unit Price PVCT L50~200	201~400	401~600	601~800	801~1000	1001~1250	1251~1500
PVCT PVCH	13	50~1500	18	±0.2	2.5	±0.2	13							
	16		22	±0.2	3	±0.3	16							
	20		26	±0.2	3	±0.3	20							
	25		32	±0.2	3.5	±0.3	25							
	30		38	±0.3	3.5	±0.3	31							

The tolerance of L dimension will be +1 ~ 3 for 50 ~ 1000, +2 ~ 5 for 1001 ~ 1500. * The price of PVCH is the price in the table above plus JPY100.

Ordering Example: Part Number - L
PVCT20 - 1000

■Sockets

Type	Types	Material
PVCTS	TS Fittings	PVC
PVCHS	HI Fittings	Impact Resistance PVC

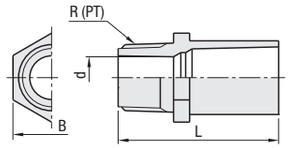


Part Number Type	No.	Z	L	Standards	Unit Price PVCTS 1 ~ 50 pcs.	PVCHS 20 ~ 50 pcs.
PVCTS PVCHS	13	5	57	JIS K 6743		
	16	7	67			
	20	7	77			
	25	7	87			
	30	7	95			

For orders larger than indicated quantity, please check with WOS.

■Sockets for Valve Sockets

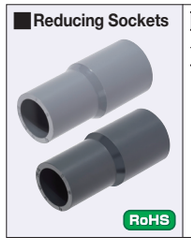
Type	Types	Material
PVCTSB	TS Fittings	PVC
PVCHSB	HI Fittings	Impact Resistance PVC



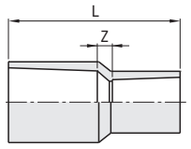
Part Number Type	No.	R(PT)	d	B	L	Standards	Unit Price PVCTSB 1 ~ 50 pcs.	PVCHSB 20 ~ 50 pcs.
PVCTSB PVCHSB	13	1/2	13	24	50	JIS K 6743		
	16	1/2	13	29	57			
	20	3/4	18	33	64			
	25	1	23	40	71			
	30	1 1/4	31	46	80			

For orders larger than indicated quantity, please check with WOS.

■Reducing Sockets



Type	Types	Material
PVCTSD	TS Fittings	PVC
PVCHSD	HI Fittings	Impact Resistance PVC

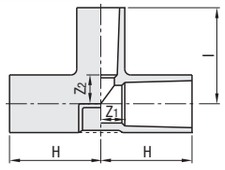


Part Number Type	No.	Z	L	Standards	Unit Price PVCTSD 1 ~ 50 pcs.	PVCHSD 20 ~ 50 pcs.
PVCTSD PVCHSD	1613	5	61	JIS K 6743		
	2016	6	71			
	2516	15	85			
	2520	9	84			
	3025	9	93			

For orders larger than indicated quantity, please check with WOS.

■Tees

Type	Types	Material
PVCTT	TS Fittings	PVC
PVCHT	HI Fittings	Impact Resistance PVC

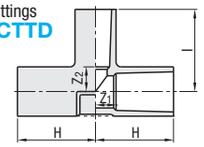


Part Number Type	No.	Z1	Z2	H	I	Standards	Unit Price PVCTT 1 ~ 50 pcs.	PVCHT 20 ~ 50 pcs.
PVCTT PVCHT	13	10	10	36	36	JIS K 6743		
	16	13	13	43	43			
	20	15	15	50	50			
	25	18	18	58	58			
	30	21	21	65	65			

For orders larger than indicated quantity, please check with WOS.

■Reducing Tees

TS Fittings
PVCTTD



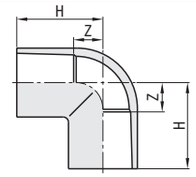
Material: PVC

Part Number Type	No.	Z1	Z2	H	I	Standards	Unit Price 1 ~ 50 pcs.
PVCTTD	1613	11	12	41	38	JIS K 6743	
	2016	13	15	48	45		
	2516	13	18	53	48		
	2520	15	18	55	53		
	3025	18	21	62	61		

For orders larger than indicated quantity, please check with WOS.

■90° Elbows

Type	Types	Material
PVCTE	TS Fittings	PVC
PVCHE	HI Fittings	Impact Resistance PVC

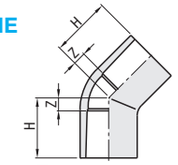


Part Number Type	No.	Z	H	Standards	Unit Price PVCTE 1 ~ 50 pcs.	PVCHE 20 ~ 50 pcs.
PVCTE PVCHE	13	10	36	JIS K 6743		
	16	13	43			
	20	15	50			
	25	18	58			
	30	21	65			

For orders larger than indicated quantity, please check with WOS.

■45° Elbows

HI Fittings
PVCHHE



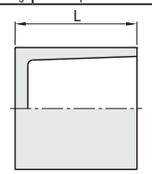
Material: Impact Resistance PVC

Part Number Type	No.	Z	H	Standards	Unit Price 1 ~ 50 pcs.
PVCHHE	13	7	33	JIS K 6743	
	20	9	44		
	25	11	51		

For orders larger than indicated quantity, please check with WOS.

■Caps

Type	Types	Material
PVCTC	TS Fittings	PVC
PVCHC	HI Fittings	Impact Resistance PVC

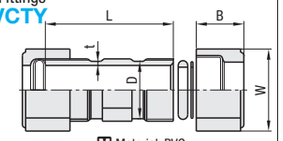


Part Number Type	No.	L	Standards	Unit Price PVCTC 1 ~ 50 pcs.	PVCHC 20 ~ 50 pcs.
PVCTC PVCHC	13	29	JIS K 6743		
	16	33.5			
	20	38.5			
	25	44			
	30	48			

For orders larger than indicated quantity, please check with WOS.

■Elastic Fittings

TS Fittings
PVCTY



Material: PVC

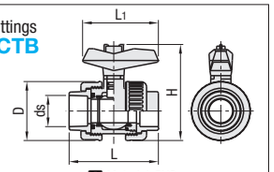
Part Number Type	No.	D	t	L	B	W	Standards	Unit Price 1~10 pcs.
PVCTY	13	26	3	68	25	38	JIS K 6743	
	16	34	5.5	110	29	42	-	
	20	35	3.5	78	29	50	JIS K 6743	
	25	43	4	89	29	56		
	30	48	4	98	33.5	63		

For PVCTY16, the nut is round-shaped.
Fittings for absorbing expansion / contraction of PVC Pipe due to heat

For orders larger than indicated quantity, please check with WOS.

■Valves

TS Fittings
PVCTB



Material: PVC

Part Number Type	No.	D	ds	H	L	L1	Standards	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
PVCTB	16	50	22	78	109	77	JIS K 6743		
	20	59	26	89.5	125	97			
	25	68	32	101	142	97			
	30	80	38	119	158	129			

For orders larger than indicated quantity, please check with WOS.

■Adhesive

PVCTBN
(For PVC)

PVCHBN
(For Impact Resistance PVC)

Part Number Type	No.	Weight by Volume (g)	Unit Price 1~20 pcs.
PVCTBN	100	100	
	500	500	

Part Number Type	No.	Weight by Volume (g)	Unit Price 1~20 pcs.
PVCHBN	100	100	
	500	500	

For orders larger than indicated quantity, please check with WOS.

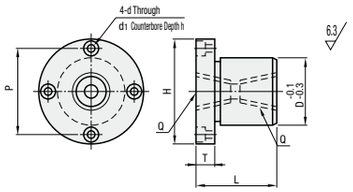
Ordering Example: Part Number
PVCHSB20
PVCHBN100

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Plumbing Terminals

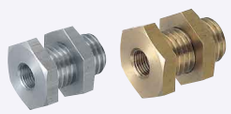
■Flanged

Type	M Material	S Surface Treatment	A Accessory	Max. Operating Pressure
BTLF	S45C	Trivalent Chromate	Hex Socket Head Cap Screw (Stainless Steel) 4 pcs.	20.6MPa
BTLFA	A5052	-		1MPa
BTLFC	Free-Cutting Brass	-		6.9MPa
BTLFS	SUS304	-		20.6MPa



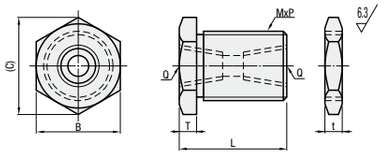
Part Number Type	No.	Rc (PT) Q	H	D	T	L	P	d	d_1	h	Included Screw (4 pcs.)	Unit Price BTLF	BTLFA	BTLFC	BTLFS
BTLF BTLFA BTLFC BTLFS	1	1/8	35	15	7	20	25	4.5	8	4.4	SCB4-10				
	2	1/4	50	25	8	30	38	5.5	9.5	5.4	SCB5-10				
	3	3/8													
	4	1/2	65	35	10	45	50	6.6	11	6.5	SCB6-12				

■Hex



Type	M Material	S Surface Treatment	A Accessory	Max. Operating Pressure
BTLH	S45C	Trivalent Chromate	Hex Nut 1 pc.	20.6MPa
BTLHA	A5052	-		1MPa
BTLHC	Free-Cutting Brass	-		6.9MPa
BTLHS	SUS304	-		20.6MPa

* Mx. pressure of No. 5 / 5-S is less than 1MPa.



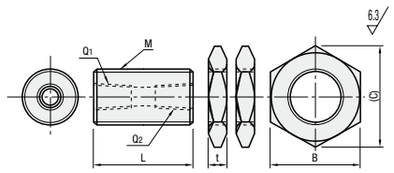
Part Number Type	No.	Rc (PT) Q	B	(C)	MxP	L	T	Included Nut t	Unit Price BTLH	BTLHA	BTLHC	BTLHS
Standard BTLH BTLHA BTLHC BTLHS	1	1/8	24	26.8	16x2.0	30	5	8				
	2	1/4	46	50.9	30x3.5	45	8	15				
	3	3/8	46	50.9	30x3.5	45	8	15				
	4	1/2	55	60.8	36x4	60	10	18				
	5	M5	24	26.8	16x2.0	30	5	8		-		

Part Number Type	No.	Rc (PT) Q	B	(C)	MxP	L	T	Included Nut t	Unit Price BTLH	BTLHC	BTLHS
L Short BTLH BTLHC BTLHS	1-S	1/8	22	25.4	16x1.5	16	5	7			
	2-S	1/4	27	31.2	20x1.5	22	5	7			
	3-S	3/8	32	36.9	24x1.5	26	8	10			
	4-S	1/2	36	41.6	30x1.5	31	8	10			
	5-S	M5	19	21.9	12x1.5	15	5	7			

■Fully Thread

Type	M Material	S Surface Treatment	A Accessory	Max. Operating Pressure
BTLR	S45C	Trivalent Chromate	Hex Nut 2 pcs.	20.6MPa
BTLRA	A5052	-		1MPa
BTLRC	Free-Cutting Brass	-		6.9MPa
BTLRS	SUS304	-		20.6MPa

NPT Tips have steps for identification on NPT side.

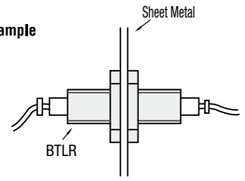


Part Number Type	No.	Rc (PT) Q_1	Q_2	M (Coarse)	L	Included Nut t	B	(C)	Unit Price BTLR	BTLRA	BTLRC	BTLRS
BTLR BTLRA BTLRC BTLRS	1	1/8		16	30	8	24	26.8				
	1-1N	1/8	NPT1/8							-	-	
	2	1/4		30	45	15	46	50.9		-	-	
	3	3/8										
	4	1/2		36	60	18	55	60.8				

Ordering Example

Part Number
BTLF3
BTLH1-S

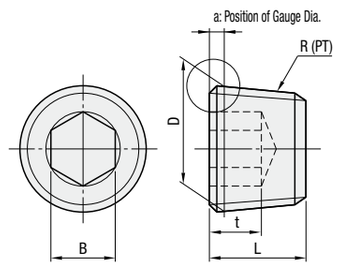
Example

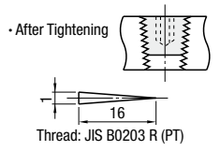


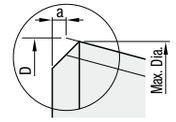
Can be positioned freely because it has no shoulder.

Tapered Screw Plugs

Type: Without Thread Coating	Type: Thread Coated Type	M Material	H Hardness	S Surface Treatment
MSWT	MSWTK	SCM435	32~42HRC	Black Oxide
MSWTM	MSWTMK	SCM435		Electroless Nickel Plating
MSWTS	MSWTSK	SUSXM7	-	-
MSWTP	-	PEEK	-	-







Gauge diameter at the position a is a theoretical value. For No. J, S, 1, actual maximum screw diameter may be smaller due to end chamfering.

Allowable temperature for Thread Coated Type is 150˚C.

Part Number Type	No.	D	a	L	B	t	R (PT)
MSWT MSWTM	*J	7.723	0.45	6	4	3.0	1/16
	*S	7.779	0.47	6.4	$4^{+0.03}_{-0.032}$	3.1	
(Without Thread Coating) MSWT MSWTM MSWTS MSWTP (Thread Coated Type) MSWTK MSWTMK MSWTSK	1	9.728	0.45 (1.5)	7 (8)	5	3.5 (5)	1/8
	2	13.157	0.7 (1.8)	8.9 (11)	6	4.5 (7.6)	1/4
	3	16.662	0.7 (2.0)	10 (12)	8	5 (8)	3/8
	4	20.955	0.9	12	10	6	1/2
	6	26.441		14	14	7	3/4
	8	33.249	1.1	16.5	17	9	1

* S of MSWT is an ANSI standard screw. For installation, use hex key wrench 5/32 inch. J of MSWT is a JIS standard screw. Dimensions in ( ) are for MSWTP.

No.	Unit Price	Volume Discount Rate	MSWTM Unit Price	MSWTM Volume Discount Rate	MSWTS Unit Price	MSWTS Volume Discount Rate	MSWTP Unit Price	MSWTP Volume Discount Rate
	1 ~ 99 pcs.	100~300	1 ~ 99 pc(s).	100~300	1 ~ 99 pc(s).	100~300	1 ~ 49 pc(s).	50~100
*J					-	-	-	-
*S								
1								
2								
3								
4							-	-
6							-	-
8							-	-

For orders larger than indicated quantity, please check with WOS.

No.	MSWTK Unit Price	MSWTK Volume Discount Rate	MSWTMK Unit Price	MSWTMK Volume Discount Rate	MSWTSK Unit Price	MSWTSK Volume Discount Rate
	1 ~ 99 pc(s).	100~200	1 ~ 99 pc(s).	100~200	1 ~ 99 pc(s).	100~200
1						
2						
3						
4						
6						
8						

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number
MSWTJ
MSWTSK3

Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

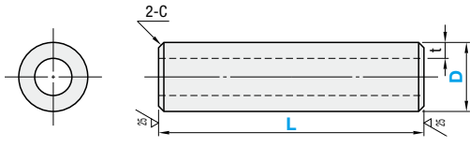
Copper Pipes / Copper Pipe Fittings

Copper Pipe Fittings

Copper Pipes

RoHS

Type	Material	Standards
DKE	Copper Phosphate (C1220)	JIS H :3300



Part Number Type	D	L 1mm Increment	t	Unit Price L10 ~100	L101 ~200	L201 ~400	L401 ~600	L601 ~800	L801 ~1000
DKE	3	10~250	1				-	-	-
	4	10~500							
	5								
	6								
	8	10~900							
	10								
	12								
	14		1.5						
	15	10~1000							
	16		2						
	18								

Tolerance for D dimension and L dimension

or more	or less	D	L
3	6	±0.1	±0.1
7	30	±0.2	±0.2
31	120	±0.3	±0.3
121	400	±0.5	±0.5
401	1000	±0.8	±0.8

C Dimension

or more	or less	C
D3	D12(12.7)	0.3
D14	D18	0.5

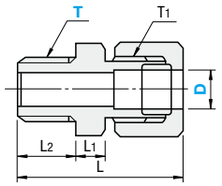
Ordering Example

Part Number	-	L
DKE10	-	300

Copper Pipe Fittings Male Threaded Connector

RoHS

DKPT



Material: Brass

Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR (PT)	Approx. L	L1	L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKPT	3	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	4	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	5	1	1/8	28	5	9	1/8	12	12	
		2	1/4	32	6	12	1/8	14	12	
	6	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
		3	3/8	39	8	13	1/4	19	16	
	8	1	1/8	33	6	9	1/4	14	16	
		2	1/4	36	6	12	1/4	16	16	
		3	3/8	39	8	13	1/4	19	16	
	10	2	1/4	40	8	12	3/8	19	19	
		3	3/8	41	8	13	3/8	19	19	
		4	1/2	46	10	16	3/8	22	19	
	12	2	1/4	46	10	12	1/2	22	24	
		3	3/8	47	10	13	1/2	22	24	
		4	1/2	50	10	16	1/2	24	24	
	14	3	3/8	48	10	13	1/2	22	24	
		4	1/2	51	10	16	1/2	24	24	
	15	3	3/8	50	10	13	5/8	24	27	
		4	1/2	54	11	16	5/8	27	27	
	16	3	3/8	50	10	13	5/8	24	27	
		4	1/2	54	11	16	5/8	27	27	

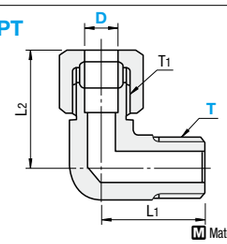
Ordering Example

Part Number	-	T
DKPT8	-	2

Copper Pipe Fittings Male Threaded Elbow Connector

RoHS

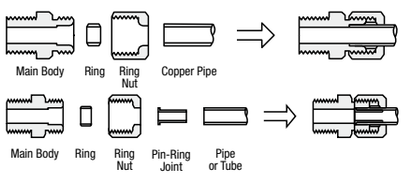
DKLPT



Material: Brass

Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR(PT)	L1	Approx. L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKLPT	3	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	4	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	5	1	1/8	20	25	1/8	12	12	
		2	1/4	25	27	1/8	16	12	
	6	1	1/8	22	31	1/4	16	16	
		2	1/4	25	31	1/4	16	16	
		3	3/8	28	33	1/4	19	16	
	8	1	1/8	22	31	1/4	16	16	
		2	1/4	25	31	1/4	16	16	
		3	3/8	28	33	1/4	19	16	
	10	2	1/4	27	35	3/8	19	19	
		3	3/8	28	35	3/8	19	19	
		4	1/2	34	38	3/8	24	19	
	12	2	1/4	30	42	1/2	24	24	
		3	3/8	31	42	1/2	24	24	
		4	1/2	34	42	1/2	24	24	
	14	3	3/8	31	43	1/2	24	24	
		4	1/2	34	43	1/2	24	24	
	15	3	3/8	31	45	5/8	24	27	
		4	1/2	34	45	5/8	24	27	
	16	3	3/8	31	45	5/8	24	27	
		4	1/2	34	45	5/8	24	27	

Example



- Pin-Ring Joint is available when thin metal pipes and hard tubes are used with Copper Pipe Fittings. P.1294
- Set a ring nut and a ring in a joint pipe, insert the pipe into the main body all the way until the pipe end touches the pipe stopper and tighten the nut by hand. Afterwards use a wrench or a spanner for further tightening.
- As annealed copper pipes are soft, use Annealed Copper Pipe Fittings, instead of this Ring Type coupling. P.1296

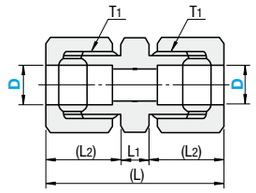
Fitting Specifications

Applicable Fluids	Air, Water, Industrial Oil
Normal Operating Pressure	3.5MPa
Max. Operating Pressure	7.0MPa
Operating Temperature Range	-20 ~ 150˚C (No Freezing)

Copper Pipe Fittings Union

RoHS

DKUS



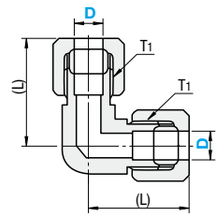
Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	L1	(L2)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUS	3	33	5	14.0	1/8	12	12	
	4	33	5	14.0	1/8	12	12	
	5	33	5	14.0	1/8	12	12	
	6	41	6	17.5	1/4	16	16	
	8	41	6	17.5	1/4	16	16	
	10	48	8	20.0	3/8	19	19	
	12	58	10	24.0	1/2	24	24	
	14	60	10	25.0	1/2	24	24	
	15	65	11	27.0	5/8	27	27	
	16	65	11	27.0	5/8	27	27	

Copper Pipe Fittings Union Elbow Connectors

RoHS

DKUE



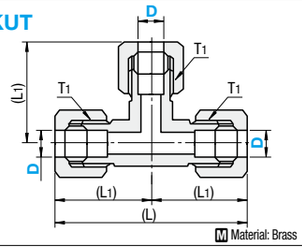
Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUE	3	25	1/8	12	12	
	4	25	1/8	12	12	
	5	25	1/8	12	12	
	6	31	1/4	16	16	
	8	31	1/4	16	16	
	10	35	3/8	19	19	
	12	42	1/2	24	24	
	14	43	1/2	24	24	
	15	45	5/8	24	27	
	16	45	5/8	24	27	

Copper Pipe Fittings Union Tees

RoHS

DKUT



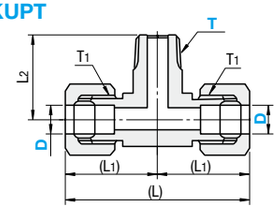
Material: Brass

Part Number Type	Applicable Pipe O.D. D	(L)	(L1)	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUT	3	50	25	1/8	12	12	
	4	50	25	1/8	12	12	
	5	50	25	1/8	12	12	
	6	62	31	1/4	16	16	
	8	62	31	1/4	16	16	
	10	70	35	3/8	19	19	
	12	84	42	1/2	24	24	

Copper Pipe Fittings Male Threaded Tee

RoHS

DKUPT



Material: Brass

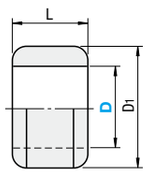
Part Number Type	Applicable Pipe O.D. D	TR (PT) Selection	TR (PT)	(L)	(L1)	L2	T1G (PF)	Square Main Body	Square Nut	Unit Price
DKUPT	4	1	1/8	50	25	20	1/8	12	12	
		2	1/4	54	27	25	1/8	16	12	
	5	1	1/8	50	25	20	1/8	12	12	
		2	1/4	54	27	25	1/8	16	12	
	6	1	1/8	62	31	22	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
		3	3/8	66	33	28	1/4	19	16	
	8	1	1/8	62	31	22	1/4	16	16	
		2	1/4	62	31	25	1/4	16	16	
		3	3/8	66	33	28	1/4	19	16	
	10	2	1/4	70	35	27	3/8	19	19	
		3	3/8	70	35	28	3/8	19	19	
		4	1/2	76	38	34	3/8	24	19	
	12	3	3/8	84	42	31	1/2	24	24	
		4	1/2	84	42	34	1/2	24	24	

The PT thread size marked on the copper pipe fitting body might be different from actual size.

Copper Pipe Fittings Gland Ring

RoHS

DKRG



Material: Brass

Part Number Type	Applicable Pipe O.D. D	D1	L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~20 pcs.
DKRG	3	5	5		
	4	6	5		
	5	7	5.5		
	6	8.5	7		
	8	10.5	7.5		
	10	12.5	8.5		
	12	15	10		
	14	17	11		
	15	18	11.5		
	16	19	12		

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number	-	T
DKUS3		
DKUPT8	-	2

Pin-Ring Joints

RoHS

DKPRJ

Material: Brass

Part Number Type	d1	d2	D	L	L1	L2	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5~20 pcs.
DKPRJ	4	3.0	6.0	15.0	14.0	1.0		
	6	4.5	8.0	16.0	15.0	1.0		
	8	6.0	10.0	19.0	17.5	1.5		
	10	8.0	12.0	22.0	20.0	2.0		

For orders larger than indicated quantity, please check with WOS.

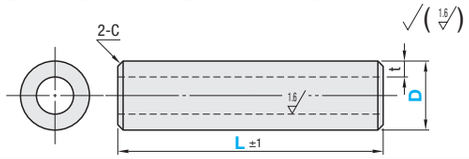
Fitting Specifications

Applicable Fluids	Air, Water, Industrial Oil
Normal Operating Pressure	3.5MPa
Max. Operating Pressure	7.0MPa
Operating Temperature Range	-20 ~ 150˚C (No Freezing)

■Stainless Steel Pipes

RoHS

Type	Material	Standards	Annealing	Gloss
SKHR	SUS304	JIS G3459	Atmospheric Annealing	Not provided
SKH			Bright Annealing (BA Pipe)	Provided
SKER	SUS316		Atmospheric Annealing	Not provided
SKE			Bright Annealing (BA Pipe)	Provided



Values in ( ) are for t dimension of SKE.

D	t
4	1
6	1
6.35 (1/4 inch)	1
8	1 (1.2)
9.53 (3/8 inch)	1
10	1 (1.5)
12	1 (1.5)
12.7 (1/2 inch)	1
16	1

Part Number Type	D	L 1mm Increment	Unit Price SKHR L20~100	L101~200	L201~300	L301~400	L401~500	SKH L20~100	L101~200	L201~300	L301~400	L401~500	SKER L20~100	L101~200	L201~300	L301~400	L401~500	SKE L20~100	L101~200	L201~300	L301~400	L401~500
SKHR SKH SKER SKE	4	20~500																				
	6																					
	6.35 (1/4 inch)																					
	8																					
	9.53 (3/8 inch)																					
	10																					
	12																					
	12.7 (1/2 inch)																					
	16																					

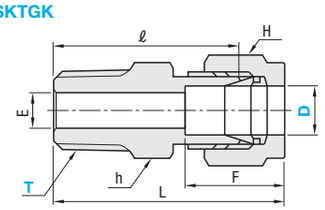
Ordering Example: Part Number - L
SKE10 - 300

For tightening procedure and structure of fittings, and applicable pipe specification, refer to **P.1300**.

■Stainless Steel Pipe Fittings Connectors

RoHS

SKTGK



Material: SUS316

Part Number Type	D	R (PT) T Selection	T R(PT)	L	E	F	ℓ	Square Main Body h	Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKTGK	3.18 (1/8)	1	1/8	32.9	2.5	13.4	26	12	12		
		2	1/4	34.9	2.5	13.4	28	14	12		
	4	1	1/8	35.8	3.5	15.3	28.5	14	14		
		2	1/4	37.8	3.5	15.3	30.5	14	14		
	6	1	1/8	35.9	5	15.4	28.5	14	14		
		2	1/4	37.9	5	15.4	30.5	14	14		
		3	3/8	38.9	5	15.4	31.5	17	14		
		4	1/2	44.4	5	15.4	37	22	14		
	6.35 (1/4)	1	1/8	35.9	5	15.4	28.5	14	14		
		2	1/4	37.9	5	15.4	30.5	14	14		
		3	3/8	38.9	5	15.4	31.5	17	14		
	8	1	1/8	36.8	5	16.8	29	14	15.9		
		2	1/4	38.8	6	16.8	31	14	15.9		
		3	3/8	39.8	6	16.8	32	17	15.9		
		4	1/2	45.3	6	16.8	37.5	22	15.9		
	9.53 (3/8)	2	1/4	39.8	7	17.8	32	17	19		
		3	3/8	40.8	7.5	17.8	33	17	19		
		4	1/2	46.3	7.5	17.8	38.5	22	19		
	10	2	1/4	39.8	7	17.8	32	17	19		
		3	3/8	40.8	8	17.8	33	17	19		
		4	1/2	46.3	8	17.8	38.5	22	19		
	12	2	1/4	42.8	7	22.8	32	22	23		
		3	3/8	43.8	9	22.8	33	22	23		
		4	1/2	49.3	10	22.8	38.5	22	23		
	12.7 (1/2)	2	1/4	42.8	7	22.8	32	22	23		
		3	3/8	43.8	9	22.8	33	22	23		
		4	1/2	49.3	10	22.8	38.5	22	23		

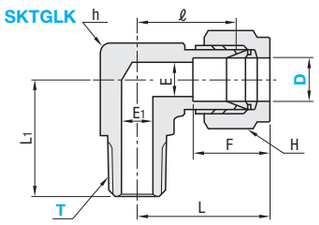
L and F are dimensions for hand tightening.
Values in ( ) for D dimension are by inch.

Ordering Example: Part Number - T
SKTGK6 - 3
SKTGLK9.53 - 4

■Stainless Steel Pipe Fittings Elbow

RoHS

SKTGLK



Material: SUS316

Part Number Type	D	R (PT) T Selection	T R(PT)	L	L1	E	E1	F	ℓ	Square Main Body h	Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKTGLK	3.18 (1/8)	1	1/8	24.9	22	2.5	5	13.4	18	12	12		
		2	1/4	25.9	24	2.5	5	13.4	19	14	12		
	4	1	1/8	27.8	22	3.5	5	15.3	20.5	14	14		
		2	1/4	27.8	24	3.5	5	15.3	20.5	14	14		
	6	1	1/8	27.9	22	5	5	15.4	20.5	14	14		
		2	1/4	27.9	24	5	5	15.4	20.5	14	14		
		3	3/8	28.9	27	5	5	15.4	21.5	17	14		
		4	1/2	30.9	35	5	5	15.4	23.5	22	14		
	6.35 (1/4)	1	1/8	27.9	22	5	5	15.4	20.5	14	14		
		2	1/4	27.9	24	5	5	15.4	20.5	14	14		
		3	3/8	28.9	27	5	5	15.4	21.5	17	14		
	8	1	1/8	28.8	22	5	5	16.8	21	14	15.9		
		2	1/4	28.8	24	6	6	16.8	21	14	15.9		
		3	3/8	29.8	27	6	6	16.8	22	17	15.9		
		4	1/2	31.8	35	6	6	16.8	24	22	15.9		
	9.53 (3/8)	2	1/4	30.8	27	7.5	7	17.8	23	17	19		
		3	3/8	30.8	27	7.5	8	17.8	23	17	19		
		4	1/2	32.8	35	7.5	8	17.8	25	22	19		
	10	2	1/4	30.8	27	7	7	17.8	23	17	19		
		3	3/8	30.8	27	8	8	17.8	23	17	19		
		4	1/2	32.8	35	8	8	17.8	25	22	19		
	12	2	1/4	35.8	28	7	7	22.8	25	22	23		
		3	3/8	35.8	30	9	9	22.8	25	22	23		
		4	1/2	35.8	35	10	10	22.8	25	22	23		
	12.7 (1/2)	2	1/4	35.1	28	10	7	22.8	25	22	23		
		3	3/8	35.1	30	10	9	22.8	25	22	23		
		4	1/2	35.1	35	10	10	22.8	25	22	23		

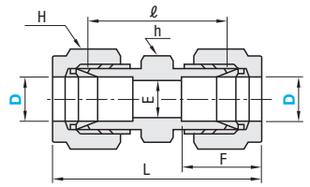
L and F are dimensions for hand tightening.
Values in ( ) for D dimension are by inch.

For tightening procedure and structure of fittings, and applicable pipe specification, refer to **P.1300**.

■Stainless Steel Pipe Fittings Union

RoHS

SKUSK



Material: SUS316

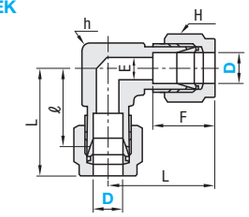
Part Number Type	D	L	E	F	ℓ	Square Main Body h	Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKUSK	3.18 (1/8)	37.8	2.5	13.4	24	12	12		
	4	42.6	3.5	15.3	28	14	14		
	6	42.8	5	15.4	28	14	14		
	6.35 (1/4)	42.8	5	15.4	28	14	14		
	8	44.6	6	16.8	29	14	15.87		
	9.53 (3/8)	46.6	8	17.8	31	17	19		
	10	46.6	8	17.8	31	17	19		
	12	52.6	10	22.8	31	22	23		
	12.7 (1/2)	52.6	10	22.8	31	22	23		

L and F are dimensions for hand tightening.
Values in ( ) for D dimension are by inch.

■Stainless Steel Pipe Fittings Union Elbow Connectors

RoHS

SKUEK



Material: SUS316

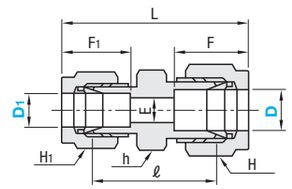
Part Number Type	D	L	E	F	ℓ	Square Main Body h	Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKUEK	3.18 (1/8)	24.9	2.5	13.4	18	12	12		
	4	27.8	3.5	15.3	20.5	14	14		
	6	27.9	5	15.4	20.5	14	14		
	6.35 (1/4)	27.9	5	15.4	20.5	14	14		
	8	28.8	6	16.8	21	14	15.87		
	9.53 (3/8)	30.8	8	17.8	23	17	19		
	10	30.8	8	17.8	23	17	19		
	12	34.8	10	22.8	24	22	23		
	12.7 (1/2)	34.8	10	22.8	24	22	23		

L and F are dimensions for hand tightening.
Values in ( ) for D dimension are by inch.

■Stainless Steel Pipe Fittings Reducing Union

RoHS

SKUSDK



Material: SUS316

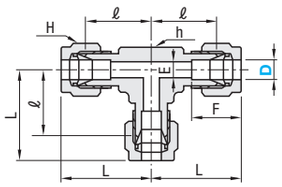
Part Number Type	D	D1	L	E	F	F1	ℓ	Square Main Body h	Nut H	Nut H1	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKUSDK	6.35 (1/4)	3.18 (1/8)	40.8	2.5	15.4	13.4	26.5	14	14	12		
	6	4	42.7	3.5	15.4	15.3	28	14	14	14		
	8	4	43.6	3.5	16.8	15.3	28.5	14	15.87	14		
		6	43.7	5	16.8	15.4	28.5	14	15.87	14		
	9.53 (3/8)	6.35 (1/4)	44.7	5	17.8	15.4	29.5	17	19	14		
	10	6	44.7	5	17.8	15.4	29.5	17	19	14		
		8	45.6	6	17.8	16.8	30	17	19	15.87		
	12	6	47.7	5	22.8	15.4	29.5	22	23	14		
		10	49.6	8	22.8	17.8	31	22	23	19		
	12.7 (1/2)	6.35 (1/4)	47.7	5	22.8	15.4	29.5	22	23	14		

L and F are dimensions for hand tightening.
Values in ( ) for D and D1 dimension are by inch.

■Stainless Steel Pipe Fittings Union Tees

RoHS

SKUTK



Material: SUS316

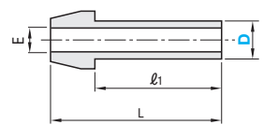
Part Number Type	D	L	E	F	ℓ	Square Main Body h	Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKUTK	3.18 (1/8)	24.9	2.5	13.4	18	12	12		
	4	27.8	3.5	15.3	20.5	14	14		
	6	27.9	5	15.4	20.5	14	14		
	6.35 (1/4)	27.9	5	15.4	20.5	14	14		
	8	29.4	6	16.8	22	14	15.87		
	9.53 (3/8)	30.8	8	17.8	23	17	19		
	10	30.8	8	17.8	23	17	19		
	12	38.3	10	22.8	27.5	22	23		
	12.7 (1/2)	38.3	10	22.8	27.5	22	23		

L and F are dimensions for hand tightening.
Values in ( ) for D dimension are by inch.

■Stainless Steel Pipe Fittings Port Connector

RoHS

SKPCK



Material: SUS316

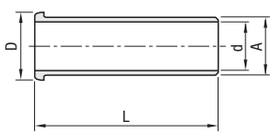
Part Number Type	D	L	E	ℓ1	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKPCK	3.18 (1/8)	23	1.8	16		
	4	26	2.5	19		
	6	27	4	20		
	6.35 (1/4)	27	4.8	20		
	8	28	6.4	21		
	9.53 (3/8)	29	7.6	22		
	10	29	8	22		
	12	37	9.5	26.7		
	12.7 (1/2)	37	9.9	26.7		

Values in ( ) for D dimension are by inch.

■Stainless Steel Pipe Fittings Tube Insert

RoHS

SKITK



Material: SUS316

Part Number Type	Tube O.D. (mm)	D	A	d	L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKITK	4	4	2	1.0	18		
	6	5.6	4	3.0	18		
	8	7	6	4.8	19		
	10	9	8	6.5	20		
	12	11	10	8	25		

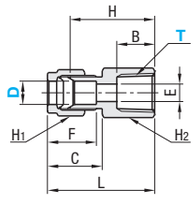
Insert SKITK into tubes for piping Fluororesin Tubes with Stainless Steel Pipe Fittings.

Ordering Example: Part Number - D1
SKUSK6
SKUSDK12.7 - 6.35

Stainless Steel Pipe Fittings

For tightening procedure and structure of fittings, and applicable pipe specification, refer to **P.1300.**

Stainless Steel Pipe Fittings Female Threaded Union — SKUF

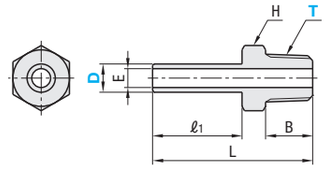


RoHS

Material: SUS316

Part Number Type	D	R (PT) T Selection	T Rc (PT)	L	B	C	F	E	H	Square H1	Square H2	Unit Price 1 ~ 9 pc(s).	Unit Price 10 ~ 30 pcs.
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		
		3	3/8	37.9	14	17.9	15.4	5	30.5	14	22		
	8	2	1/4	36.8	13	18.8	16.8	6	29	15.87	17		
		3	3/8	38.8	14	18.8	16.8	6	31	15.87	22		
	10	2	1/4	37.8	13	19.8	17.8	8	30	19	17		
		3	3/8	39.8	14	19.8	17.8	8	32	19	22		
	12	3	3/8	42.8	14	22.8	22.8	10	32	23	22		

Stainless Steel Pipe Fittings Male Threaded Adapters — SKMA

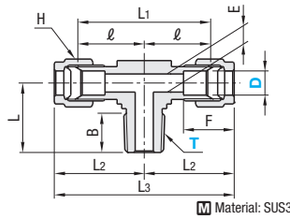


RoHS

Material: SUS316

Part Number Type	D	R (PT) T Selection	T R (PT)	L	E	B	ℓ1	H	Unit Price 1 ~ 9 pc(s).	Unit Price 10 ~ 30 pcs.
SKMA	4	1	1/8	30.5	2.5	9	18	10		
	6	1	1/8	34	3	10	19	12		
		2	1/4	39	3	13	19	14		
	8	1	1/8	34	6	10	19	14		
		2	1/4	34	6	12	18	14		
		3	3/8	40	6	14	19	17		
	10	2	1/4	44	8	13	24	14		
		3	3/8	45	8	14	24	17		
	12	3	3/8	49	10	14	28	17		

Stainless Steel Pipe Fittings Branch Tee Union — SKUTM

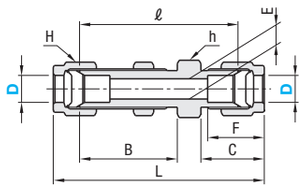


RoHS

Material: SUS316

Part Number Type	D	R (PT) T Selection	T R (PT)	L	L1	L2	L3	ℓ	B	F	E	H	Unit Price 1 ~ 9 pc(s).	Unit Price 10 ~ 30 pcs.
SKUTM	4	1	1/8	21	41	27.8	55.6	20.5	11	15.3	3.5	14		
	6	1	1/8	21	41	27.9	55.8	20.5	11	15.4	5	14		
		2	1/4	23	43	28.9	57.8	21.5	13	15.4	5	14		
	8	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		
	10	2	1/4	25	46	30.8	61.6	23	13	17.8	7	19		
	12	3	3/8	30	55	38.3	76.6	27.5	14	22.8	9	23		

Stainless Steel Pipe Fittings Union for Partition — SKUWE

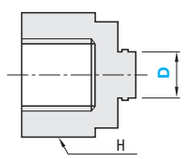


RoHS

Material: SUS316

Part Number Type	D	L	B	C	F	E	h	H	ℓ	Installation Hole Dia.	Max. Plate Thickness for Installation	Unit Price 1 ~ 9 pc(s).	Unit Price 10 ~ 30 pcs.
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		

Stainless Steel Pipe Fittings Plugs — SKPGK



RoHS

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

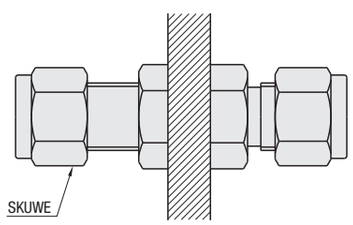
Material: SUS316

Part Number Type	D	Square Nut H	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
SKPGK	3.18 (1/8 Inch)	12		
	4	14		
	6	14		
	6.35 (1/4 inch)	14		
	8	15.87		
	9.53 (3/8 inch)	19		
	10	19		
	12	23		
	12.7 (1/2 inch)	23		

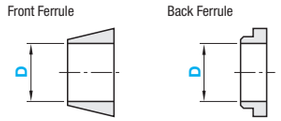
Ordering Example

Part Number	-	T
SKUF4	-	2
SKUWE6		

Example



Stainless Steel Pipe Fittings Ferrule Sets — SKFPK



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

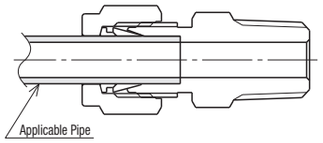
RoHS

Material: SUS316

Part Number Type	D	Unit Price 1 ~ 9 Set(s)	Volume Discount Rate 10 ~ 30 Sets
SKFPK	3.18(1/8 Inch)		
	4		
	6		
	6.35 (1/4 inch)		
	8		
	9.53 (3/8 inch)		
	10		
	12		
	12.7 (1/2 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.

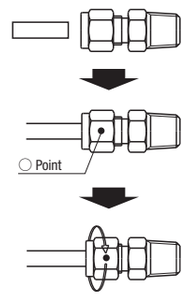


Components Figure

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

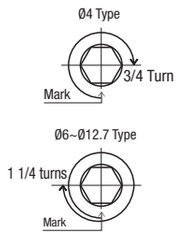


① Insert the pipe into the fitting until the pipe tip hits the shoulder inside without removing the nut.

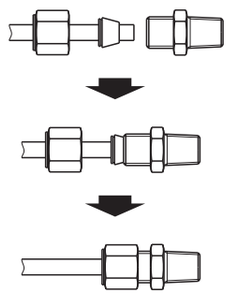
② Hand-tighten the nut until the end of its rotation. Put a mark on this position as ○ point.

③ Hold the fitting body tightly with a wrench and tighten the nut with another wrench by the rotation shown on the right.

Note: For plastic tube connections, use Insert (SKITK) for tubes together without fail and tighten Ø4 ~ Ø12.7 tubes by 1 1/4 ~ 1 1/2 rotations.



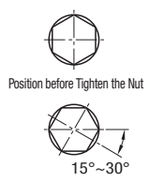
How to Tighten after Removing



① 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.

② 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.)

③ Tighten a little more past the position before loosening by a wrench.



[Applicable Pipe Specification]

- Applicable Type of Pipe: Stainless Steel Pipe
  Stainless steel pipes (JIS G3459) subject to SUS304TP and SUS316TP for stainless steel pipes.
- O.D. Tolerance: ±0.05mm
- Pipe Surface Hardness: HV190 or less (HRB90 or less)
- Condition of Pipe Surface: Avoid using pipes with defects such as surface roughness and scratches.

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

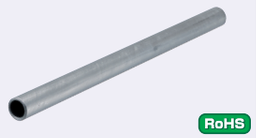
Pipe O.D. (mm)	Thickness (mm) 1.0	1.5	2.0
6.35 (1/4 inch)	38.7	58.1	-
9.53 (3/8 inch)	25.8	38.7	-
12.7 (1/2 inch)	19.3	29.0	38.7

Ordering Example

Part Number
SKFPK12.7

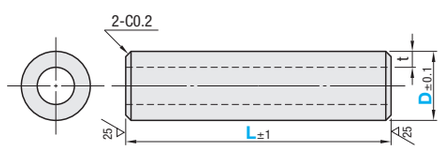
Steel Pipes for Hydraulics / Swaged Sleeve Fittings for Hydraulics

Steel Pipes for Hydraulics



RoHS

OST



Material: OST-2 (STPS-2 (JIS B2351))

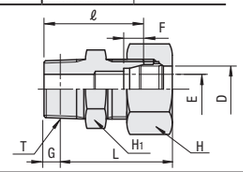
Part Number Type	D	L 1mm Increment	t	Unit Price 1 ~ 4 pc(s). L20~250	L251~500	L501~750	L751~1000	L1001~1500
OST	6	20~1500	1.0					
	8		1.0					
	10		1.2					
	12		1.5					

Ordering Example: Part Number - L
OST8 - 250

Swaged Sleeve Fittings for Hydraulics Connectors

RoHS

Type	Material	Surface Treatment
KTGS	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -



Part Number Type	No.	Applicable Pipe O.D. D	T R(PT)	E	Reference Dia. G	Tightening by Hand Approx. L	Hex Socket H1	Hex Socket H	F	ℓ	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGS	6-1	6	1/8	4	3.97	34.5	14	14	7	28		
	6-2	6	1/4	4	6.01	37.5	17	14	7	33		
	8-1	8	1/8	4	3.97	35.5	17	17	7	29		
	8-2	8	1/4	6	6.01	37.5	17	17	7	33		
	10-2	10	1/4	7	6.01	38.5	17	19	7	33		
	10-3	10	3/8	8	6.35	39.0	19	19	7	34		
	12-2	12	1/4	7	6.01	38.5	19	22	7	33		
	6A-2	10.5	1/4	7	6.01	34.5	17	19	7	33		
	8A-3	13.8	3/8	9	6.35	40	22	24	7.5	37		
	10A-4	17.3	1/2	12	8.16	44.5	27	32	8	41		
	15A-6	21.7	3/4	16	9.53	48	32	36	9	45		

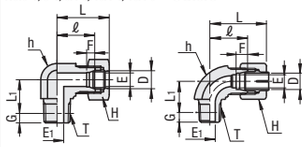
Use No.6A, 8A, 10A, 15A with the same No. of SUT□, STPG□ (**P.1265**). Sleeves of No.6A, 8A, 10A, 15A is different from those for KTGSL (**P.1302**). No. 8, 10 and 12 have approx. 1.4mm protrusion for improving pressure resistance.

Swaged Sleeve Fittings for Hydraulics Elbow Nipples

RoHS

Type	Material	Surface Treatment
KTGE	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -

No.6-1, 8-1, 8A-3, 10A-4, 15A-6 Others



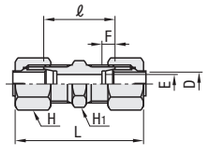
Part Number Type	No.	Applicable Pipe O.D. D	T R(PT)	E	E1	Reference Dia. G	Tightening by Hand Approx. L	L1	Wrench Flats h	Hex Socket H	F	ℓ	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGE	6-1	6	1/8	4	4	3.97	30.5	14	14	14	7	20		
	6-2	6	1/4	4	4.5	6.01	33.5	17	17	14	7	23		
	8-1	8	1/8	6	4	3.97	33.5	16	17	17	7	23		
	8-2	8	1/4	6	7	6.01	33.5	18	17	17	7	23		
	10-2	10	1/4	8	7	6.01	34.5	19	17	19	7	23		
	10-3	10	3/8	8	9	6.35	35.5	19.5	19	19	7	24		
	12-2	12	1/4	10	7	6.01	35.5	20.5	19	22	7	24		
	8A-3	13.8	3/8	11	9	6.35	40	22.5	22	24	7.5	28		
	10A-4	17.3	1/2	14	12	8.16	44.5	30	27	32	8	32		
	15A-6	21.7	3/4	18	16	9.53	46.5	32.5	32	36	9	34		

Use No.8A, 10A, 15A with the same No. of SUT□, STPG□ (**P.1265**). Sleeves of No.8A, 10A, 15A is different from those for KTGSL (**P.1302**). No. 8 has approx. 1.4mm protrusion for improving pressure resistance.

Swaged Sleeve Fittings for Hydraulics Union

RoHS

Type	Material	Surface Treatment
KTGR	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -



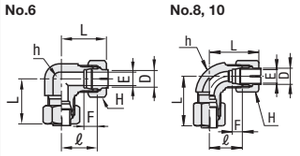
Part Number Type	No.	Applicable Pipe O.D. D	E	Hex Socket H1	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGR	6	6	4	14	14	7	30	51		
	8	8	6	17	17	7	31	52		
	10	10	8	17	19	7	31	54		
	12	12	10	19	22	7	31	54		

Swaged Sleeve Fittings for Hydraulics Elbow

RoHS

Type	Material	Surface Treatment
KTGLB	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -

No.6 No.8, 10

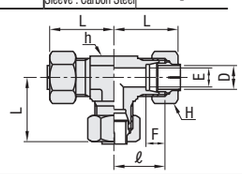


Part Number Type	No.	Applicable Pipe O.D. D	E	Wrench Flats h	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGLB	6	6	4	14	14	7	20	30.5		
	8	8	6	17	17	7	23	33.5		
	10	10	8	17	19	7	23	34.5		

Swaged Sleeve Fittings for Hydraulics Tee

RoHS

Type	Material	Surface Treatment
KTGTE	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -

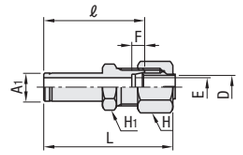


Part Number Type	No.	Applicable Pipe O.D. D	E	Wrench Flats h	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGTE	6	6	4	14	14	7	20	30.5		
	8	8	6	17	17	7	23	33.5		
	10	10	8	17	19	7	23	34.5		
	12	12	10	19	22	7	24	35.5		

Swaged Sleeve Fittings for Hydraulics Reducers

RoHS

Type	Material	Surface Treatment
KTGRE	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -

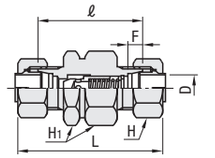


Part Number Type	No.	Applicable Nominal Dia. of Fitting A1	Applicable Pipe O.D. D	E	Hex Socket H1	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGRE	8-6	8	6	4	14	14	7	39	49.5		
	10-6	10	6	4	14	14	7	40	50.5		
	10-8	10	8	6	17	17	7	40	50.5		
	12-6	12	6	4	14	14	7	41	51.5		
	12-8	12	8	6	17	17	7	41	51.5		
	12-10	12	10	8	17	19	7	41	52.5		

Swaged Sleeve Fittings for Hydraulics Reverse Flow Prevention Union

RoHS

Type	Material	Surface Treatment
KTGZR	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -



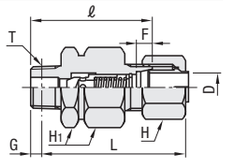
Part Number Type	No.	Applicable Pipe O.D. D	Rating Flow ℓ/min	Cracking Pressure MPa	Hex Socket H1	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGZR	10-05	10	18	0.05	24	19	7	49	72		
	10-45			0.45							
	12-05	12	18	0.05	24	22	7	51	74		
	12-45			0.45							

Features: Fitting with a built-in reverse flow prevention structure.

Swaged Sleeve Fittings for Hydraulics Reverse Flow Prevention Connectors

RoHS

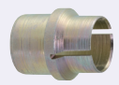
Type	Material	Surface Treatment
KTGZC	Main Body, Nut: S25C Sleeve : Carbon Steel	Trivalent Chromate -



Part Number Type	No.	Applicable Pipe O.D. D	Rating Flow ℓ/min	Cracking Pressure MPa	T R(PT)	Position of Gauge Dia. G	Hex Socket H1	Hex Socket H	F	ℓ	Tightening by Hand Approx. L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGZC	10-05	10	18	0.05	1/4	6.01	24	19	7	53	58.5		
	10-45			0.45									
	12-05	12	18	0.05	3/8	6.35	24	22	7	55	60		
	12-45			0.45									

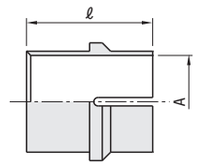
Features: Fitting with a built-in reverse flow prevention structure.

Swaged Sleeve Fittings for Hydraulics Sleeve



RoHS

Type	Material	Surface Treatment
KTGSL	Carbon Steel	Trivalent Chromate

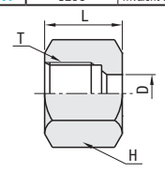


Part Number Type	No.	A	ℓ	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGSL	6	6	14		
	8	8	14		
	10	10	15		
	12	12	15		

Swaged Sleeve Fittings for Hydraulics Nut

RoHS

Type	Material	Surface Treatment
KTGNT	S25C	Trivalent Chromate



Part Number Type	No.	D	T	H Hex Socket	L	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10 ~ 30 pcs.
KTGNT	6	7.3	M12x1.5	14	15		
	8	9.3	M14x1.5	17	15		
	10	11.3	M16x1.5	19	16		
	12	13.3	M18x1.5	22	16		

Ordering Example: Part Number
KTGS8-1
KTGR6

Structure and Tightening Procedure of Swaged Sleeve Fittings

Swaged Sleeve Fittings are composed of a main body, a sleeve and a nut.

[Tightening Procedure]

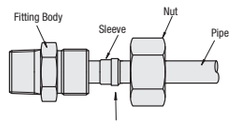
For utilizing performance of Swaged Sleeve Fittings for Steel Pipes, use of appropriate pipe and accurate tightening of fitting are required. The following pre-tightening will make plumbing smooth and secure.

(1) Pre-tightening

①Insert the pipe with nut and sleeve inserted as shown in right figure into the fitting body. Make sure that pipe end contacts abutment part. Inadequate swaging due to the inadequate tightening may cause the pipe to pull out.
②Tighten the nut by hand.
③Tighten the nut with a wrench while rotating the pipe to the end of its rotation. Put a mark on this position of fitting body and the nut.
④Further tighten the nut by a wrench with1-1/4 turn at this mark.
⑤Loosen the nut once to see the state of the sleeve in order to confirm the following.
1) There is some millimeter distance between pipe end and sleeve end.
2)No substantial movement of the sleeve toward the direction of pipe axis is allowable. Moving toward circumferential direction is acceptable.

(2) Full Tightening

Attach the pre-tightened pipe with fitting body and tighten the nut by a wrench until you feel sudden resistance. Further tighten the nut by 1/4 turn, and tightening will be done.



Make sure that the tapered end of the sleeve is facing the fitting body.
If inserted backwards, pipe will not be properly swaged and may pull-off.

[Disassembly / Retightening]

- Can be disassembled just by loosening the nut. However, never tighten and loosen the nut while pressurized as it is very dangerous.
- 8 or more disassemblies and retightening are possible by following the Full Tightening Procedure as shown in (2).

· Specifications (KTGZR / KTGZC)

Applicable Pipe Dia.		Max. Operating Pressure	Operating Temperature Range
10·12mm	10,12	3MPa	-20°C~120°C

· Specifications (Other Than Above)

Applicable Pipe Dia.		Max. Operating Pressure	Operating Temperature Range
8mm	8	50MPa	-20°C~250°C
6A	10.5		
10,12mm	10,12		
8A	13.8		
10A	17.3	40MPa	
15A	21.7		

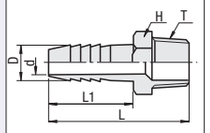
[Applicable Pipes]

(1) JIS G 3454 Carbon Steel Pipe for Pressure Service STPG370
(2) JIS G 3455 Carbon Steel Pipe for High Pressure Service STP370
(3) JIS G 3456 Carbon Steel Pipe for High Temperature Service STP370
(4) JIS G 3459 Stainless Steel Pipe for Plumbing SUS304TP and SUS316TP
(5) Japan Fluid Power Association Standard JOHS-102
Accurate Carbon Steel Pipes for Hydraulics OST

Hose Fittings

Male Threaded Hose Nipples

Type	Material
HOSN	Brass
HOSNS	SUS304



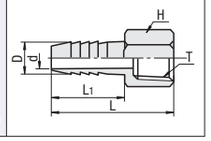
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T R (PT)	D	HOSN d	HOSN H	HOSN L	HOSN L1	HOSNS d	HOSNS H	HOSNS L	HOSNS L1	HOSN Unit Price 1~19 pc(s).	HOSN Volume Discount Rate 20~50	HOSNS Unit Price 1~19 pc(s).	HOSNS Volume Discount Rate 20~30
HOSN (Brass) HOSNS (SUS304)	61	6	1/8	7	4	12	34	20	4	12	36	20				
	62		1/4		4	14	41	26	4	14	42	24				
	63		3/8		4	17	46	29	4	17	44	25				
	64		1/2		3.5	22	50	29	4	22	49	27				
	628		1/4	8	4.5	14	41	26	5	14	42	24				
	629		1/4	9	5	14	41	26	5	14	42	24				
	91	9	1/8	10.5	6	12	34	20	6	12	36	20				
	92		1/4		7	14	41	26	6	14	42	24				
	93		3/8		7	17	46	29	6	17	44	25				
	94		1/2		6	22	50	29	7	22	49	27				
	12412	12	1/2	12	7.5	22	50	29	8	22	49	27				
	122		1/4	14	9	14	41	26	8	17	42	24				
	123		3/8		10	17	46	29	9	17	44	25				
	124		1/2		10	22	50	29	11	22	49	27				
	153	15	3/8	16	11.5	17	46	29	11	17	44	25				
	154		1/2		11	22	50	29	12	22	49	27				
	19619	19	3/4	19	13	27	60	36	14	27	59	33				
	194		1/2	20.5	14	22	50	29	15	22	49	27				
	196		3/4		15	27	60	36	15	27	59	33				
	258	25	1	27	20.5	35	74	42	22	35	70	40				
	3812	38	1 1/2	40	30	51	100	61	31	52	90	53				
	5016	50	2	52	40	63	132	86	43	63	100	60				

For orders larger than indicated quantity, please check with WOS.

Female Threaded Hose Nipples

Type	Material
HOSFNS	SUS304



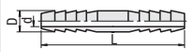
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T Rc (PT)	D	d	H	L	L1	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
HOSFNS (SUS304)	62	6	1/4	7.0	4.0	17	45	26		
	92	9	1/4	10.5	7.0	17	45	26		
	93		3/8			22	49	28		
	94		1/2			24	54	29		
	123	12	3/8	14	10.0	22	49	28		
	124		1/2			24	54	29		

For orders larger than indicated quantity, please check with WOS.

Hose Barbs, Straight

Type	Material
HOSJJS	SUS304



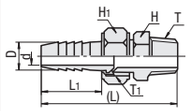
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	D	d	L	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
HOSJJS (SUS304)	6	6	7.0	4.0	55		
	9	9	10.5	8.0	70		
	12	12	14.0	10.0	75		
	19	19	20.5	16.0	90		

For orders larger than indicated quantity, please check with WOS.

Joint Hose Nipples

Type	Material
HOSJN	Brass
HOSJNS	SUS304



RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T R (PT)	D	T1 G (PF)	d	H	H1	(L)	L1	HOSJN Unit Price 1~9 pc(s).	HOSJN Volume Discount Rate 10~30	HOSJNS Unit Price 1~9 pc(s).	HOSJNS Volume Discount Rate 10~30
HOSJN (Brass) HOSJNS (SUS304) Values in ( ) are applicable to HOSJNS.	61	6	1/8	7.0	1/8	4.0	12	12	43	19			-	-
	62		1/4		1/4	4.0	14	16	59	26			-	-
	63		3/8		1/4	4.0	17	16	60	26			-	-
	628		1/4	8	1/4	4.5	14	16	59	26			-	-
	629		1/4	9	1/4	5	14	16	59	26			-	-
	92	9	1/4	10.5	3/8	7.0	17	19	57	27			-	-
	93		3/8		3/8	7.0	17	19	60	27 (25)				
	94		1/2		3/8	7.0	22	19	63	27			-	-
	123	12	3/8	14.0	1/2	10.0	22	24	71	31			-	-
	124		1/2		1/2	10.0 (10.5)	22	24	73 (69)	31 (27)				
	126		3/4		1/2	10.0	28	24	77	31			-	-
	153	15	3/8	16	1/2	11.5	22	24	71	31			-	-
	154		1/2		1/2	11.5	22	24	73	31			-	-
	194	19	1/2	20.5	3/4	15.0	28	30	78	35			-	-
	196		3/4		3/4	15.0	28 (29)	30	82 (80)	35 (33)				

For orders larger than indicated quantity, please check with WOS.

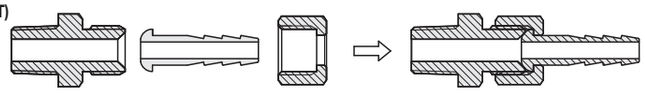
Specifications

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-50 ~ 150°C (No Freezing)
Max. Operating Pressure	3.45MPa

Ordering Example

Part Number
HOSN61
HOSJJS12

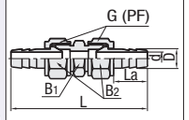
Assembly Procedure (HOSJE / HOSJH / HOSJT)



①Insert hose nozzle into hose nut.
②Position the R-plane (seat) of hose nozzle to the inside of the body.
③Hand-tighten a hose nut.
④Then secure it tightly with a wrench or a monkey wrench.

Open-Ended Hose Fittings

Type	Material
HOSSH	Brass



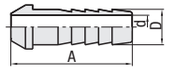
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	D	d	B1	B2	G (PF)	La	L	Unit Price 1~4 pc(s).	Volume Discount Rate 5~10
HOSSH (Brass)	61	6	7	4	14	16	1/4	26	89		
	628		8	4.5	14	16	1/4	26	89		
	629		9	5	14	16	1/4	26	89		
	92	9	10.5	7	17	19	3/8	27	91		
	123	12	14	10	22	24	1/2	31	112		
	153	15	16	11.5	22	24	1/2	31	112		
	196	19	20.5	15	27	30	3/4	35	120		

For orders larger than indicated quantity, please check with WOS.

Hose Barbs, Straight

Type	Material
HOSHS	Brass



RoHS

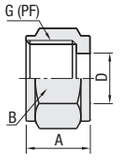
Part Number Type	No.	Applicable Hose Nominal I.D.	D	d	A	Unit Price 1~4 pc(s).	Volume Discount Rate 5~10
HOSHS (Brass)	628	6	8	4.5	34		
	629		9	5	34		
	92	9	10.5	7	36		
	123	12	14	10	42		
	153	15	16	11.5	42		
	196	19	20.5	15	46		

Fitting applicable for HOSJN and HOSSH only.

For orders larger than indicated quantity, please check with WOS.

Swaging Sleeve Nuts for Hoses

Type	Material
HOSHN	Brass



RoHS

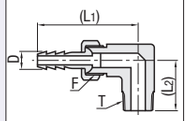
Part Number Type	No.	Main Body Applicable No.	G (PF)	D	B	A	Unit Price 1~4 pc(s).	Volume Discount Rate 5~10
HOSHN (Brass)	2	62 63 628 629	1/4	9.5	16	13		
	3	92 93 94	3/8	11	19	14		
	4	123 124 126 153 154	1/2	16.5	24	16		
	6	194 196	3/4	21.5	30	17.5		

Fitting applicable for HOSJN and HOSSH only.

For orders larger than indicated quantity, please check with WOS.

Elbow Hose Nipples

Type	Material
HOSJE	Brass



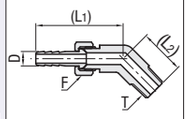
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T R (PT)	F G (PF)	D	(L1)	(L2)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
HOSJE (Brass)	61	6	1/8	1/8	6.5	39	20		
	82	8	1/4	1/4	8	48.5	25		
	93	9	3/8	3/8	10.0	56	28		
	124	12	1/2	1/2	14.0	72	34		

For orders larger than indicated quantity, please check with WOS.

45° Elbow Hose Nipples

Type	Material
HOSJH	Brass



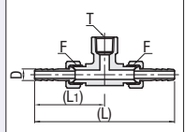
RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T R (PT)	F G (PF)	D	(L1)	(L2)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
HOSJH (Brass)	61	6	1/8	1/8	6.5	39	20		
	82	8	1/4	1/4	8	48.5	25		
	93	9	3/8	3/8	10.0	56	28		
	124	12	1/2	1/2	14.0	72	34		

For orders larger than indicated quantity, please check with WOS.

Branch Tees

Type	Material
HOSJT	Brass



RoHS

Part Number Type	No.	Applicable Hose Nominal I.D.	T Rc (PT)	F G (PF)	D	(L1)	(L)	Unit Price 1~9 pc(s).	Volume Discount Rate 10~30
HOSJT (Brass)	61	6	1/8	1/8	6.5	39	78		
	82	8	1/4	1/4	8	48.5	97		
	93	9	3/8	3/8	10.0	56	112		
	124	12	1/2	1/2	14.0	72	144		

For orders larger than indicated quantity, please check with WOS.

Ordering Example

Part Number
HOSJE61

Specifications

Applicable Fluids	Water, Air, Oil
Operating Temperature Range	-20~150°C (No Freezing)
Max. Operating Pressure	3.5MPa

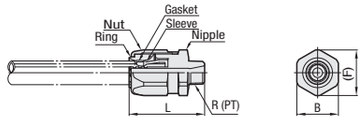
Note that, for some of the types shown here, order might be unable to be received by the MISUMI Indonesia offices.

Plastic Hose Mounting Connectors / Arm Locking Couplers

Plastic Hose Mounting Connectors

RoHS

Type	Material: Nipples	Inner	Rubber Caps	Washer	Swaging Sleeve Nut	Rubber Gasket	Sleeve, Ring	Applicable Hose
TCSM	SCS13	-	-	-	SCS13	NBR	POM	HOTR□, HOTRS□, HOTSG□, HOTG□



Part Number Type	No.	L	Hex/Octagon Socket B	V	(F)	G	R (PT)	Applicable Hose	Unit Price 1 ~ 4 pc(s).	Volume Discount Rate 5 ~ 10 pcs.
TCSM (Stainless Steel)	9	54.5	30	7	33	-	3/8	HOTR□ HOTRS□ HOTSG□ HOTG□		
	12	59	32	10	35.5		1/2			
	15	60	36	12	40		1/2			
	19	64	41	16.5	45		3/4			
	25	70	50	22	54		1			

Operating Pressure is the same as for Applicable Hoses.

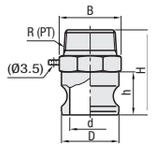
For orders larger than indicated quantity, please check with WOS.

Arm Locking Couplers

Male Threaded Adapters

RoHS

Type	Material
SNAMA	SCS14A



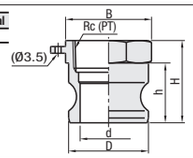
Part Number Type	No.	R (PT)	D	d	H	h	B	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAMA	15A	1/2	32	20	58	26	33		
	20A	3/4	32	20	58	26	33		
	25A	1	37	24	70	32	41		
	40A	11/2	53	36	79	40	57		
	50A	2	63	46	87	47	68		

For orders larger than indicated quantity, please check with WOS.

Female Threaded Adapters

RoHS

Type	Material
SNAFA	SCS14A



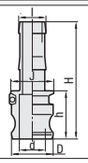
Part Number Type	No.	Rc (PT)	D	d	H	h	B	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAFA	15A	1/2	32	20	39	26	33		
	20A	3/4	32	20	39	26	33		
	25A	1	37	24	49	34	41		
	40A	11/2	53	36	55	40	57		
	50A	2	63	46	63	47	69		

For orders larger than indicated quantity, please check with WOS.

Hose Mounting Adapters

RoHS

Type	Material
SNAHA	SCS14A



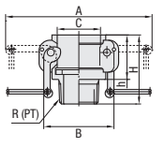
Part Number Type	No.	D	d	H	h	I	J	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAHA	20A	32	20	90	37	21	33		
	25A	37	23	108	48	27	41		
	40A	53	37	116	53	41	58		
	50A	63	46	134	60	53	70		

For orders larger than indicated quantity, please check with WOS.

Male threaded Sockets

RoHS

Type	Material: Main Body	Cam	Ring
SNAMJ	SCS14A	SMS1025	SUS304



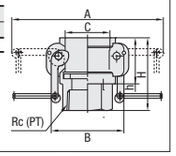
Part Number Type	No.	R (PT)	A	B	C	H	h	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAMJ	15A	1/2	110	52	32	52	32		
	20A	3/4	110	52	32	52	32		
	25A	1	125	60	37	59	38		
	40A	11/2	188	90	54	68	44		
	50A	2	197	97	63	76	51		

For orders larger than indicated quantity, please check with WOS.

Female Tapped Sockets

RoHS

Type	Material: Main Body	Cam	Ring
SNAFJ	SCS14A	SMS1025	SUS304



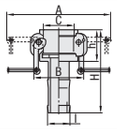
Part Number Type	No.	Rc (PT)	A	B	C	H	h	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAFJ	15A	1/2	110	52	32	51	32		
	20A	3/4	110	52	32	51	32		
	25A	1	125	60	37	60	38		
	40A	11/2	188	90	54	69	45		
	50A	2	197	97	63	77	51		

For orders larger than indicated quantity, please check with WOS.

Hose Mounting Sockets

RoHS

Type	Material: Main Body	Cam	Ring
SNAHJ	SCS14A	SMS1025	SUS304



Part Number Type	No.	A	B	C	I	H	h	Unit Price 1 ~ 19 pc(s).	Volume Discount Rate 20 ~ 30 pcs.
SNAHJ	20A	110	52	32	21	86	32		
	25A	125	60	37	27	100	38		
	40A	188	90	54	41	110	46		
	50A	197	97	63	53	129	51		

For orders larger than indicated quantity, please check with WOS.

Ordering Example — Part Number: TCSM25, SNAMA20A

Arm Locking Couplers are manufactured according to the US MIL Standards A-A-59326-1998 (MIL-C-27487-1992 previously), thus compatible with the same size products of the same standards from other manufacturers.

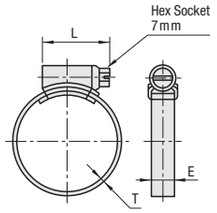
Hose Clamps

Suitable for connecting Duct Hoses on P. 1327.

Hose clamp is the product to prevent the hose from falling off. Structurally, clearance may occur at the smallest tightening torque.

Standard — HOSBS

RoHS



Material: SUS304

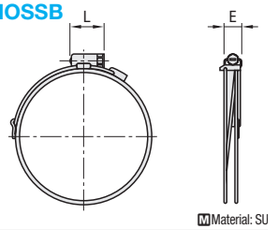
Ordering Example — Part Number: HOSBS13N

Part Number Type	No.	Hose O.D. Tightening Range (mm)	L	T	E	Tightening Torque (N · m)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~50
HOSBS	9N	9.5~12	19	0.7	9.5	3.5		
	13N	13~20						
	16N	16~22	24	0.8	12	4.4		
	19N	18~25						
	22N	22~30				5.2		
	25N	25~35						
	28N	30~40						
	31N	35~50	33			6.1		
	38N	40~55						
	44N	45~60						
	50N	55~70				6.9		
	60N	60~80						
	70N	70~90						
	83N	85~100						
	95N	90~120						
	104N	100~125						
	127N	130~150						
	146N	130~160				6.1		
	149N	150~180						
	175N	170~200						
	200N	190~230						

For orders larger than indicated quantity, please check with WOS.

Spiral — HOSSB

RoHS



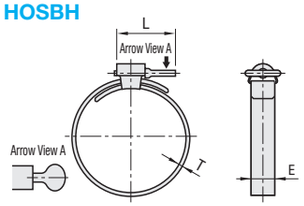
Material: SUS304

Part Number Type	No.	Hose O.D. Tightening Range (mm)	L	E	Tightening Torque (N · m)	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30
HOSSB	30	30~37	30.5	15	5		
	32	32~42					
	47	47~57					
	61	61~71					
	71	71~81					
	86	86~96					
	90	90~110					

For orders larger than indicated quantity, please check with WOS.

Hand Tightening — HOSBH

RoHS



Material: SPCC Surface Treatment: Trivalent Chromate

Part Number Type	No.	Hose O.D. Tightening Range (mm)	L	T	E	Unit Price 1 ~ 9 pc(s).	Volume Discount Rate 10~30
HOSBH	15	15~22	32	0.5	12		
	18	18~28					
	20	20~34					
	25	25~40					
	40	40~55					

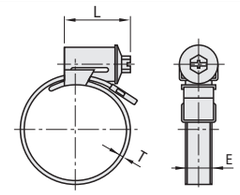
For orders larger than indicated quantity, please check with WOS.

Ordering Example — Part Number: HOSBH18

With Safety Cover

RoHS

Type	Material: Clamp	Housing	Screw	Caps
HOABS (Semi Stainless Steel)	SUS430	SUS430	Steel (Zinc Plating)	PE
HOASU (All Stainless Steel)	SUS304	SUS304	SUS304	PE



Ordering Example — Part Number: HOABS13

Part Number Type	No.	Hose O.D. Tightening Range (mm)	L	T	E	Tightening Torque (N · m)	HOABS Unit Price 1 ~ 9 pc(s).	HOABS Volume Discount Rate 10~30	HOASU Unit Price 1 ~ 9 pc(s).	HOASU Volume Discount Rate 10~30
HOABS HOASU	8	8~12	21.5	0.7	9	3.5				
	10	10~15								
	11	11~17								
	13	13~20								
	16	16~22								
	18	18~25	27	0.8	13	5				
	22	22~30								
	25	25~35								
	27	27~40								
	30	30~45								
	35	35~50								
	40	40~55				6				
	45	45~60								
	55	55~70								

For orders larger than indicated quantity, please check with WOS.