Brass Quick-Fitting Joint for Pneumatic Piping

Tube Fitting Brass

Package 10 pcs. in a bag

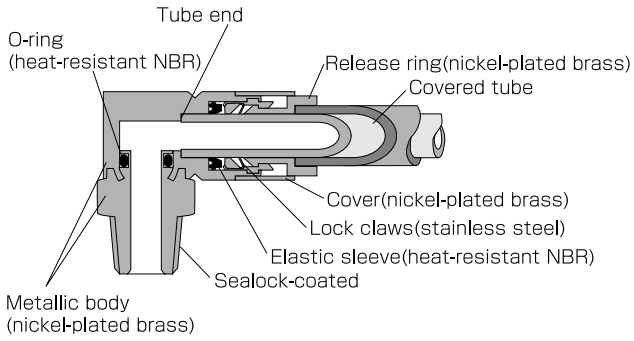
■The Tube Fitting Brass models are quick-fitting joints made of brass for pneumatic piping.
■Not only the body but also the release ring is made of brass, so that these models feature excellent flame resistance and spatter resistance.
■The models with the cover prevent the entry of spatter, dust into the joint. This advantage will be complemented by the use of covered tubes.

Specifications

Fluid admitted	Air,water(conditional)※1	
Service pressure range	0~150psi	0~0.9MP(0~9.18kg/cm²)
Working vacuum	-29.5in.Hg	-750mmHg(10Torr)
Service temperature range	32~248°F	0~120°C※2

※1Conditions of Water(when used)
1.Operating temperature:0 to 60°C
2.Operating pressure:0 to 0.3MPa
3.No water hammer is allowed.
4.Be sure to install the insert ring.
※2Heat resistant sealock coating

Construction



Model Designation(Example)

KL ① 6 ② - 01 ③ V-0 ④

①Type

②Tube Dia.(φD)

Code	6	8	10	12
Dia.	φ6mm	φ8mm	φ10mm	φ12mm

③Thread size(R)

	Taper pipe thread			
Code	01	02	03	04
Size	R1/8	R1/4	R3/8	R1/2

④No cover
※Enter code "1"when no cover is required.

④Heat resistant Sealock coating(code:NR)
※Inquire about the price when ordering.

Detailed Safety Instructions

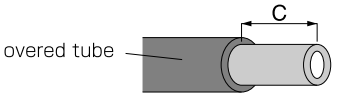
Before using the PISCO device, be sure to read the "Safety Instructions","Common Safety Instructions for Products Listed in This Manual"on page 3 and "Common Safety Instructions for Quick-Fitting Joint"on pages 4 and 5.

⚠Warning

1.When the fluid admitted is a water, do not use the PISCO device unless the application satisfies all the conditions required in Specification. Otherwise damage may be caused to the joint body, the tube may come off or leakage may result.

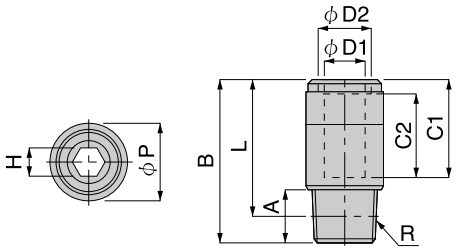
⚠Caution

1.When you use a covered tube, be sure to cut the covering into the specified dimensions(see below) before use. Failure to do so may result in the coming off the tube, leakage or inability to connect the tube.



Tube dia.dia.	φ6mm	φ8mm	φ10mm	φ12mm
Cover cutting dimension(C)	16.5mm	17.5mm	20mm	23.5mm

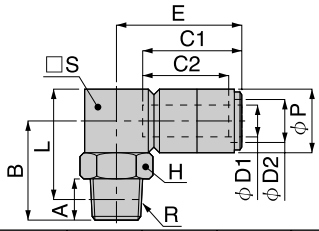
KC COVER Straight



Unit : inch

Model	Tube dia. ϕD1(mm)	Tube dia. ϕD(mm)	R	A	B	L	C1	C2	H	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
KC 6-01	6	8	R1/8	0.31	0.98	0.83	0.77	0.65	0.16	0.37	4.00	11.00	0.60
KC 6-02	6	8	R1/4	0.43	0.98	0.75	0.77	0.65	0.16	0.53	4.00	11.00	0.60
KC 6-03	6	8	R3/8	0.47	1.02	0.77	0.77	0.65	0.16	0.95	4.00	11.00	0.60
KC 8-01	8	10	R1/8	0.31	1.18	1.02	0.79	0.67	0.20	0.58	6.00	17.00	0.92
KC 8-02	8	10	R1/4	0.43	1.12	0.89	0.79	0.67	0.24	0.62	6.00	20.00	1.08
KC 8-03	8	10	R3/8	0.47	1.02	0.77	0.79	0.67	0.24	1.00	6.00	20.00	1.08
KC 10-01	10	12	R1/8	0.31	1.32	1.16	0.92	0.77	0.20	0.88	6.00	17.00	0.92
KC 10-02	10	12	R1/4	0.43	1.28	1.04	0.92	0.77	0.24	0.92	8.00	20.00	1.08
KC 10-03	10	12	R3/8	0.47	1.26	1.00	0.92	0.77	0.24	1.13	8.00	20.00	1.08
KC 10-04	10	12	R1/2	0.59	1.30	0.98	0.92	0.77	0.24	1.72	8.00	20.00	1.08
KC 12-02	12	14	R1/4	0.43	1.54	1.30	1.04	0.89	0.31	1.60	9.00	40.00	2.17
KC 12-03	12	14	R3/8	0.47	1.38	1.12	1.04	0.89	0.31	1.41	9.00	40.00	2.17
KC 12-04	12	14	R1/2	0.59	1.46	1.14	1.04	0.89	0.31	1.95	9.00	40.00	2.17

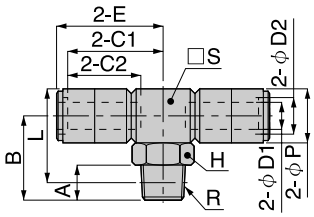
KL COVER Elbow



Unit : inch

Model	Tube dia. ϕD1(mm)	Tube dia. ϕD(mm)	R	A	B	L	ΦP	C1	C2	E	H	S	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
KL 6-01	6	8	R1/8	0.31	0.75	0.59	0.47	0.77	0.65	0.94	0.47	0.47	0.99	4.00	9.00	0.49
KL 6-02	6	8	R1/4	0.43	0.87	0.67	0.47	0.77	0.65	0.94	0.55	0.47	1.27	4.00	9.00	0.49
KL 6-03	6	8	R3/8	0.47	0.94	0.69	0.47	0.77	0.65	0.94	0.67	0.47	1.74	4.00	9.00	0.49
KL 8-01	8	10	R1/8	0.31	0.79	0.63	0.55	0.79	0.67	1.02	0.55	0.55	1.30	6.00	20.00	1.08
KL 8-02	8	10	R1/4	0.43	0.91	0.71	0.55	0.79	0.67	1.02	0.55	0.55	1.50	6.00	20.00	1.08
KL 8-03	8	10	R3/8	0.47	0.98	0.73	0.55	0.79	0.67	1.02	0.67	0.55	1.95	6.00	20.00	1.08
KL 10-01	10	12	R1/8	0.31	0.89	0.73	0.67	0.92	0.77	1.20	0.67	0.67	2.08	6.00	25.00	1.36
KL 10-02	10	12	R1/4	0.43	1.00	0.81	0.67	0.92	0.77	1.20	0.67	0.67	2.25	8.00	35.00	1.90
KL 10-03	10	12	R3/8	0.47	1.04	0.79	0.67	0.92	0.77	1.20	0.67	0.67	2.50	8.00	35.00	1.90
KL 10-04	10	12	R1/2	0.59	1.16	0.85	0.67	0.92	0.77	1.20	0.83	0.67	3.33	8.00	35.00	1.90
KL 12-02	12	14	R1/4	0.43	1.06	0.87	0.79	1.04	0.89	1.34	0.83	0.79	3.56	9.00	43.00	2.33
KL 12-03	12	14	R3/8	0.47	1.10	0.85	0.79	1.04	0.89	1.34	0.83	0.79	3.73	9.00	48.00	2.60
KL 12-04	12	14	R1/2	0.59	1.22	0.91	0.79	1.04	0.89	1.34	0.83	0.79	4.35	9.00	48.00	2.60

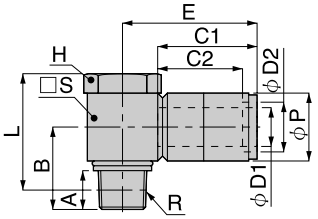
KB COVER Tee



Unit : inch

Model	Tube dia. ϕD1(mm)	Tube dia. ϕD(mm)	R	A	B	L	ΦP	C1	C2	E	H	S	Weight (OZ)	Orifice ϕMM	Eff.a. mm2	CV
KB 6-01	6	8	R1/8	0.31	0.75	0.59	0.47	0.77	0.65	0.94	0.47	0.47	1.23	4.00	9.00	0.49
KB 6-02	6	8	R1/4	0.43	0.87	0.67	0.47	0.77	0.65	0.94	0.55	0.47	1.51	4.00	9.00	0.49
KB 6-03	6	8	R3/8	0.47	0.94	0.69	0.47	0.77	0.65	0.94	0.67	0.47	1.99	4.00	9.00	0.49
KB 8-01	8	10	R1/8	0.31	0.79	0.63	0.55	0.79	0.67	1.02	0.55	0.55	1.62	6.00	20.00	1.08
KB 8-02	8	10	R1/4	0.43	0.91	0.71	0.55	0.79	0.67	1.02	0.55	0.55	1.81	6.00	20.00	1.08
KB 8-03	8	10	R3/8	0.47	0.98	0.73	0.55	0.79	0.67	1.02	0.67	0.55	2.27	6.00	20.00	1.08
KB 10-02	10	12	R1/4	0.43	1.00	0.81	0.67	0.92	0.77	1.20	0.67	0.67	2.71	6.00	35.00	1.90
KB 10-03	10	12	R3/8	0.47	1.04	0.79	0.67	0.92	0.77	1.20	0.67	0.67	2.99	8.00	35.00	1.90
KB 10-04	10	12	R1/2	0.59	1.16	0.85	0.67	0.92	0.77	1.20	0.83	0.67	3.84	8.00	35.00	1.90
KB 12-02	12	14	R1/4	0.43	1.06	0.87	0.79	1.04	0.89	1.34	0.83	0.79	4.29	9.00	43.00	2.33
KB 12-03	12	14	R3/8	0.47	1.10	0.85	0.79	1.04	0.89	1.34	0.83	0.79	4.52	9.00	48.00	2.60
KB 12-04	12	14	R1/2	0.59	1.22	0.91	0.79	1.04	0.89	1.34	0.83	0.79	5.14	9.00	48.00	2.60

KH COVER Universal Elbow



Unit : inch

Model	Tube dia. ϕD(mm)	Tube dia. ϕD(mm)	R	A	B	ΦP	C1	C2	E1	E2	Weight (OZ)
KH 8-01-1	8	10	R1/8	0.31	1.10	0.55	0.79	0.67	0.67	1.08	37.00
KH 8-01-2	8	10	R1/4	0.43	1.36	0.55	0.79	0.67	0.94	1.14	59.00
KH 10-02-1	10	12	R1/4	0.43	1.36	0.67	0.92	0.77	0.94	1.28	66.50
KH 10-03-1	10	12	R3/8	0.47	1.54	0.67	0.92	0.77	0.94	1.32	94.00