ONE-TOUCH FITTINGS

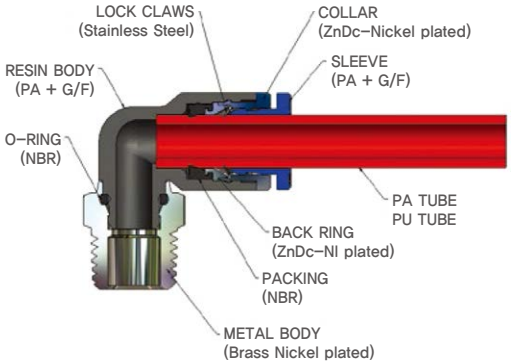
Application

- One-touch joints used in pneumatic piping.
- Used for a wide variety of models to meet all needs.

Feature

- Easy to connect/disconnect tube by one touch.
- PC type is useful for piping in confined space, given its six-angle wrench processing inside.
- Elliptical sleeve makes it possible to apply and remove the tube easily in confined space.
- Fittings are equipped with a Gasket, O-ring and Teflon-Treatment already on the thread.

Structural Diagram



Specification

Fluid	Air(No other gases or liquids)	
Working Pressure Range	0~284PSI	0~20Kgf/㎠(0~1960kPa)
Negative Pressure	-29.5inHg	-750mmHg(10Torr)
Temperature Range	32~176℉	0~80℃
Applicable Tube Material	Polyurethane and Nylon	



Case In Use

▶ POC Model

- The hexagonal hole of the inside body makes it possible to tighten the fitting with a hexagonal wrench.
- A hexagonal wrench must be used due to the round exterior.

Product Code System

GPC 08 - 02 (①) (②) (③)

GPC 08 - 02 (GR) (①) (②) (③) (④)

① Type
② Tube Dia(ØD)

Code	04	06	08	10	12	16
Dia	Ø4	Ø6	Ø8	Ø10	Ø12	Ø16

③ Thread Size(T) *Metric Thread & R(PT) Thread

	Metric size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5X0.8	M6X1.0	R1/8	R1/4	R3/8	R1/2

④ Color (Gray fitting can be produced)

	None	(GR)
Color	Black	Gray



⚠ CAUTION

- Be sure to read the "Common Precautions" and the "Using Precautions of Fitting Series" (P14) before using.
- In putting tube on the fitting, be sure to push it deeply into the inside. In case of incorrect installation, there is a risk of air leakage or loose tube.

⚠ WARNING

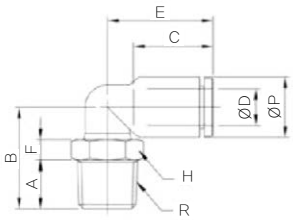
- Be sure to confirm that proper conditions are met(specifications), otherwise there may be air leakage by damage on the fitting body.

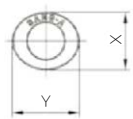
GPL

Male Elbow



R





MODEL [ØD – T] Tube (Metric) – Thread(R) (mm)

CODE	MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ømm)	W.G(g)	Q´ty/ Inbox
11020301	GPL 03M3	3	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.5	100
11020302	GPL 03M5	3	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.7	100
11020303	GPL 03M6	3	M6	9	5	14.6	14.5	17.1	4.4	9	8.6	10.8	2.5	5.2	100
11020401	GPL 04M3	4	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.4	100
11020402	GPL 04M5	4	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.6	100
11020403	GPL 04M6	4	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	3	5	100
11020411	GPL 0401	4	R1/8	9	8	17.8	14.5	17.1	5	10	8.6	10.8	3.2	7.9	100
11020412	GPL 0402	4	R1/4	9	11	20.8	14.5	17.1	5	14	8.6	10.8	3.2	17	100
11020413	GPL 0403	4	R3/8	9	12	21.8	14.5	17.1	5	17	8.6	10.8	3.2	26.4	50
11020602	GPL 06M5	6	M5	11.2	4	15.7	15.5	18	4.4	9	11	13	2	5.4	100
11020603	GPL 06M6	6	M6	11.2	5	16.7	15.5	18	4.4	9	11	13	3	5.9	100
11020611	GPL 0601	6	R1/8	11.2	8	18.9	15.5	18	5	10	11	13	4	8.7	100
11020612	GPL 0602	6	R1/4	11.2	11	21.9	15.5	18	5	14	11	13	4	17.8	50
11020613	GPL 0603	6	R3/8	11.2	12	22.9	15.5	18	5	17	11	13	4	27.2	50
11020614	GPL 0604	6	R1/2	11.2	15	26.9	15.5	18	6	21	11	13	4	49.5	25
11020811	GPL 0801	8	R1/8	13.6	8	20.3	17.8	23.6	5	10	13	15	5.5	10.4	50
11020812	GPL 0802	8	R1/4	13.6	11	22.8	17.8	23.6	4.5	14	13	15	5.5	19.1	50
11020813	GPL 0803	8	R3/8	13.6	12	23.8	17.8	23.6	4.5	17	13	15	5.5	28.4	50
11020814	GPL 0804	8	R1/2	13.6	15	27.8	17.8	23.6	5.5	21	13	15	5.5	50.7	25
11021011	GPL 1001	10	R1/8	16.3	8	23.6	19.4	25	6.5	17	16	18.5	6	20.8	50
11021012	GPL 1002	10	R1/4	16.3	11	26.6	19.4	25	6.5	17	16	18.5	8	25.5	25
11021013	GPL 1003	10	R3/8	16.3	12	26.1	19.4	25	5	17	16	18.5	9	27.5	25
11021014	GPL 1004	10	R1/2	16.3	15	29.1	19.4	25	5	21	16	18.5	9	47.2	25
11021211	GPL 1201	12	R1/8	19.7	8	25.5	22.4	32.2	6.5	17	19.5	22.5	6	26.4	25
11021212	GPL 1202	12	R1/4	19.7	11	28.5	22.4	32.2	6.5	17	19.5	22.5	8	31.1	25
11021213	GPL 1203	12	R3/8	19.7	12	28	22.4	32.2	5	17	19.5	22.5	9.5	33.1	25
11021214	GPL 1204	12	R1/2	19.7	15	31	22.4	32.2	5	21	19.5	22.5	9.5	52.8	25
11021413	GPL 1403	14	R3/8	23.5	12	35	24.4	31.9	10.5	20	23	25	11	52.7	20
11021414	GPL 1404	14	R1/2	23.5	15	37.5	24.4	31.9	10	21	23	25	12	67	20
11021613	GPL 1603	16	R3/8	25.6	12	36	25	34	10.5	20	24	27	11	52.9	20
11021614	GPL 1604	16	R1/2	25.6	15	38.5	25	34	10	21	24	27	13	67.2	20

*Rotating body construction after a proper installation.