Metric Size
R(PT) Thread Type

— One -Touch Fittings

Compact One -Touch Fittings

Speed Controllers

Metal Body Speed Controllers

Rotary Joints

Stop Fittings

Check Valves

Ball Valves

Main Blocks

Hand Valves

Hand Slide Valves

Two-Touch Fittings

ONE-TOUCH FITTINGS

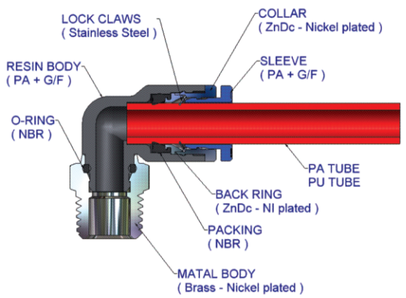
Application
- One-touch joints used in pneumatic piping.
- Used for a wide variety of models to meet all needs.

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.

Specification

Fluid	AIR(No other gases or liquids)	
Working Pressure Range	0 ~ 284PSI	0 ~ 20Kgf/㎠(0~1960kPa)
Negative Pressure	-29.5 in Hg	-750mmHg(10Torr)
Temperature Range	32~176°F	0 ~ 80°C
Applicable Tube Material	Polyurethane and Nylon	

Structural Diagram



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.

▶**PL Model**
- Flexible for directional tube laying given its revolving construction of body (PL and PT type)

▶**Elliptical Sleeve**
- Elliptical sleeve makes it possible to apply and remove the tube easily in confined spaces.

Product Code System

GPC O8-O2 (① ② ③)

GPC O8-O2 GR (① ② ③ ④)

①Type

②Tube Dia(ØD)

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

③Thread Size(T)

※Metric Thread & R(PT) Thread

	Metric Size		Taper Pipe Thread			
Code	M5	M6	01	02	03	04
Size	M5×0.8	M6×1.0	R1/8	R1/4	R3/8	R1/2

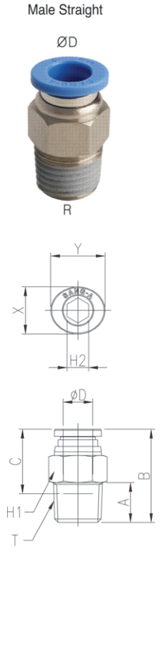
④ Color(Gray fitting can be produced)

	BK	GR
Color	Black	Gray

⚠ CAUTION
- Be sure to read the "Common Precautions" and the "Using Precautions of Fitting Series" (P12) 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.

GPC
Male Straight



MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	A	B	C	H1	H2	X	Y	Orifice (Ømm)	W.G(g)	Qty/Inbox
GPC 03M3	3	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.5	100
GPC 03M5	3	M5	4	20.1	14.5	8	2	8.6	10.8	2	4.7	100
GPC 03M6	3	M6	5	21.1	14.5	9	2	8.6	10.8	2	6.8	100
GPC 04M3	4	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.2	100
GPC 04M5	4	M5	4	20.1	14.5	8	2	8.6	10.8	2	4.5	100
GPC 04M6	4	M6	5	21.1	14.5	9	3	8.6	10.8	3	6.3	100
GPC 0401	4	R1/8	8	20.1	14.5	10	3	8.6	10.8	3	8.6	100
GPC 0402	4	R1/4	11	20.1	14.5	14	3	8.6	10.8	3	17.3	100
GPC 0403	4	R3/8	12	21.1	14.5	17	3	8.6	10.8	3	30.0	50
GPC 06M5	6	M5	4	21.8	15.5	11	2	11	13	2	8.3	100
GPC 06M6	6	M6	5	22.8	15.5	11	3	11	13	3	8.0	100
GPC 0601	6	R1/8	8	22	15.5	11	4	11	13	4	9.2	100
GPC 0602	6	R1/4	11	22.8	15.5	14	4	11	13	4	18.2	100
GPC 0603	6	R3/8	12	21.8	15.5	17	4	11	13	4	28.4	50
GPC 0604	6	R1/2	15	25.8	15.5	21	4	11	13	4	54.4	50
GPC 0801	8	R1/8	8	27.7	17.8	13	5	13	15	5	13.7	100
GPC 0802	8	R1/4	11	25.7	17.8	14	6	13	15	6	17.1	100
GPC 0803	8	R3/8	12	23.7	17.8	17	6	13	15	6	27.3	50
GPC 0804	8	R1/2	15	26.7	17.8	21	6	13	15	6	51.8	50
GPC 1001	10	R1/8	8	29.4	19.4	17	5	16	18.5	5	22.2	50
GPC 1002	10	R1/4	11	32.4	19.4	17	6	16	18.5	6	27.6	50
GPC 1003	10	R3/8	12	28.4	19.4	17	8	16	18.5	8	29.3	50
GPC 1004	10	R1/2	15	27.3	19.4	21	8	16	18.5	8	48.5	50
GPC 1201	12	R1/8	8	32.4	22.4	19	5	19.5	22.5	5	28.9	50
GPC 1202	12	R1/4	11	35.4	22.4	19	6	19.5	22.5	6	34.2	50
GPC 1203	12	R3/8	12	31.8	22.4	19	8	19.5	22.5	8	33.5	50
GPC 1204	12	R1/2	15	33.8	22.4	21	8	19.5	22.5	8	54.8	25
GPC 1403	14	R3/8	12	39	24.4	22	8	23	25	8	53.9	25
GPC 1404	14	R1/2	15	36.5	24.4	22	10	23	25	10	58.9	25
GPC 1603	16	R3/8	12	39.7	25	24	8	24	27	8	58.7	25
GPC 1604	16	R1/2	15	42.2	25	24	10	24	27	10	58.2	25

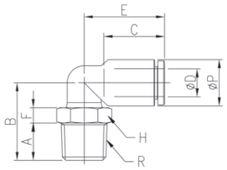
*Hexagonal wrench may be used for a proper tightening.

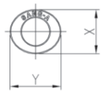
GMPC
Male Straight
(Sleeve round)

MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	H1	H2	Orifice (Ømm)	W.G(g)	Qty/Inbox
GMPC 04M5	4	M5	8.2	4	20.1	14.5	8	2	2	4.5	100
GMPC 04M6	4	M6	8.8	5	21.1	14.5	9	3	3	6.3	100
GMPC 0401	4	R1/8	8.8	8	20.1	14.5	10	3	3	8.6	100
GMPC 0402	4	R1/4	8.8	11	20.1	14.5	14	3	3	17.3	100
GMPC 0403	4	R3/8	8.8	12	21.1	14.5	17	3	3	30.0	50
GMPC 06M5	6	M5	11	4	21.8	15.5	11	2	2	8.3	100
GMPC 06M6	6	M6	11	5	22.8	15.5	11	3	3	8.0	100
GMPC 0601	6	R1/8	11	8	22	15.5	11	4	4	9.2	100
GMPC 0602	6	R1/4	11	11	22.8	15.5	14	4	4	18.2	100
GMPC 0603	6	R3/8	11	12	22.8	15.5	17	4	4	28.4	50
GMPC 0604	6	R1/2	11	15	25.8	15.5	21	4	4	54.4	50
GMPC 0801	8	R1/8	13	8	27.7	17.8	13	5	5	13.7	100
GMPC 0802	8	R1/4	13	11	25.7	17.8	14	6	6	17.1	100
GMPC 0803	8	R3/8	13	12	23.7	17.8	17	6	6	27.3	50
GMPC 0804	8	R1/2	13	15	26.7	17.8	21	6	6	51.8	50
GMPC 1001	10	R1/8	15.5	8	29.4	19.4	17	5	5	22.2	50
GMPC 1002	10	R1/4	15.5	11	32.4	19.4	17	6	6	27.6	50
GMPC 1003	10	R3/8	15.5	12	28.4	19.4	17	8	8	29.3	50
GMPC 1004	10	R1/2	15.5	15	27.3	19.4	21	8	8	48.5	50
GMPC 1201	12	R1/8	18.8	8	32.4	22.4	19	5	5	28.9	50
GMPC 1202	12	R1/4	18.8	11	35.4	22.4	19	6	6	34.2	50
GMPC 1203	12	R3/8	18.8	12	31.8	22.4	19	8	8	33.5	50
GMPC 1204	12	R1/2	18.8	15	33.8	22.4	21	8	8	54.8	25

GPL
Male Elbow



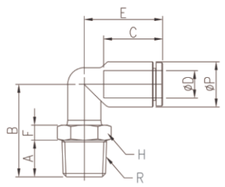


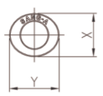
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPL 03M3	3	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.5	100
GPL 03M5	3	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.7	100
GPL 03M6	3	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	2.5	5.2	100
GPL 04M3	4	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.4	100
GPL 04M5	4	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.6	100
GPL 04M6	4	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	3	5.0	100
GPL 0401	4	R1/8	9	8	17.8	14.5	17.1	5	10	8.6	10.8	3.2	7.9	100
GPL 0402	4	R1/4	9	11	20.8	14.5	17.1	5	14	8.6	10.8	3.2	17.0	100
GPL 0403	4	R3/8	9	12	21.8	14.5	17.1	5	17	8.6	10.8	3.2	26.4	50
GPL 06M5	6	M5	11.2	4	15.7	15.5	18	4.4	9	11	13	2	5.4	100
GPL 06M6	6	M6	11.2	5	16.7	15.5	18	4.4	9	11	13	3	5.9	100
GPL 0601	6	R1/8	11.2	8	18.9	15.5	18	5	10	11	13	4	8.7	100
GPL 0602	6	R1/4	11.2	11	21.9	15.5	18	5	14	11	13	4	17.8	50
GPL 0603	6	R3/8	11.2	12	22.9	15.5	18	5	17	11	13	4	27.2	50
GPL 0604	6	R1/2	11.2	15	26.9	15.5	18	6	21	11	13	4	49.5	25
GPL 0801	8	R1/8	13.6	8	20.3	17.8	23.6	5	10	13	15	5.5	10.4	50
GPL 0802	8	R1/4	13.6	11	22.8	17.8	23.6	4.5	14	13	15	5.5	19.1	50
GPL 0803	8	R3/8	13.6	12	23.8	17.8	23.6	4.5	17	13	15	5.5	28.4	50
GPL 0804	8	R1/2	13.6	15	27.8	17.8	23.6	5.5	21	13	15	5.5	50.7	25
GPL 1001	10	R1/8	16.3	8	23.6	19.4	25	6.5	17	16	18.5	6	20.8	50
GPL 1002	10	R1/4	16.3	11	26.6	19.4	25	6.5	17	16	18.5	8	25.5	25
GPL 1003	10	R3/8	16.3	12	26.1	19.4	25	5	17	16	18.5	9	27.5	25
GPL 1004	10	R1/2	16.3	15	29.1	19.4	25	5	21	16	18.5	9	47.2	25
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
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
GPL 1203	12	R3/8	19.7	12	28	22.4	32.2	5	17	19.5	22.5	9.5	33.1	25
GPL 1204	12	R1/2	19.7	15	31	22.4	32.2	5	21	19.5	22.5	9.5	52.8	25
GPL 1403	14	R3/8	23.5	12	35	24.4	31.9	10.5	20	23	25	11	52.7	20
GPL 1404	14	R1/2	23.5	15	37.5	24.4	31.9	10	21	23	25	12	67.0	20
GPL 1603	16	R3/8	25.6	12	36	25	34	10.5	20	24	27	11	52.9	20
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.

GPL(L)
Male Elbow



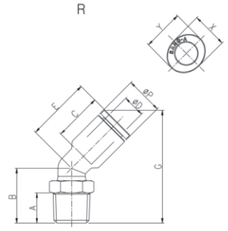


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPL 04M3(L)	4	M3	9	3	17.8	14.5	17.1	5.4	9	8.6	10.8	1.2	4.0	100
GPL 04M5(L)	4	M5	9	4	17.8	14.5	17.1	4.4	9	8.6	10.8	2	4.2	100
GPL 04M6(L)	4	M6	9	5	18.8	14.5	17.1	4.4	9	8.6	10.8	3	4.6	100
GPL 0401(L)	4	R1/8	9	8	21	14.5	17.1	5	10	8.6	10.8	3.2	7.2	100
GPL 0402(L)	4	R1/4	9	11	24	14.5	17.1	5	14	8.6	10.8	3.2	15.5	100
GPL 0403(L)	4	R3/8	9	12	25	14.5	17.1	5	17	8.6	10.8	3.2	24.0	50
GPL 06M5(L)	6	M5	11.2	4	19.4	15.5	18	4.4	9	11	13	2	5.2	100
GPL 06M6(L)	6	M6	11.2	5	20.4	15.5	18	4.4	9	11	13	3	5.6	100
GPL 0601(L)	6	R1/8	11.2	8	22.6	15.5	18	5	10	11	13	4	8.2	100
GPL 0602(L)	6	R1/4	11.2	11	25.6	15.5	18	5	14	11	13	4	16.5	50
GPL 0603(L)	6	R3/8	11.2	12	26.6	15.5	18	5	17	11	13	4	25.0	50
GPL 0604(L)	6	R1/2	11.2	15	30.6	15.5	18	6	21	11	13	4	45.3	25
GPL 0801(L)	8	R1/8	13.6	8	25.3	17.8	23.6	5	10	13	15	5.5	9.3	50
GPL 0802(L)	8	R1/4	13.6	11	27.8	17.8	23.6	4.5	14	13	15	5.5	17.2	50
GPL 0803(L)	8	R3/8	13.6	12	28.8	17.8	23.6	4.5	17	13	15	5.5	25.6	50
GPL 0804(L)	8	R1/2	13.6	15	32.8	17.8	23.6	5.5	21	13	15	5.5	45.9	25
GPL 1001(L)	10	R1/8	16.3	8	29.7	19.4	25	6.5	17	16	18.5	6	21.9	50
GPL 1002(L)	10	R1/4	16.3	11	32.7	19.4	25	6.5	17	16	18.5	8	26.2	25
GPL 1003(L)	10	R3/8	16.3	12	32.2	19.4	25	5	17	16	18.5	9	28.0	25
GPL 1004(L)	10	R1/2	16.3	15	35.2	19.4	25	5	21	16	18.5	9	45.9	25
GPL 1201(L)	12	R1/8	19.7	8	31.4	22.4	32.2	6.5	17	19.5	22.5	6	24.6	25
GPL 1202(L)	12	R1/4	19.7	11	34.4	22.4	32.2	6.5	17	19.5	22.5	8	28.9	25
GPL 1203(L)	12	R3/8	19.7	12	33.9	22.4	32.2	5	17	19.5	22.5	9.5	30.7	25
GPL 1204(L)	12	R1/2	19.7	15	36.9	22.4	32.2	5	21	19.5	22.5	9.5	48.6	25

*Rotating body construction after a proper installation.

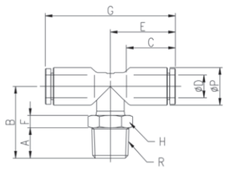
GPL45
Male 45° Elbow



MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	H	G	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPL45 04M5	4	M5	9.0	4	13.1	14.5	17.1	9	28.1	8.6	10.8	2	4.8	100
GPL45 04M6	4	M6	9.0	5	14.1	14.5	17.1	9	29.1	8.6	10.8	3	5.2	100
GPL45 0401	4	R1/8	9.0	8	16.3	14.5	17.1	10	31.3	8.6	10.8	3.2	7.8	100
GPL45 0402	4	R1/4	9.0	11	19.3	14.5	17.1	14	34.3	8.6	10.8	3.2	16.1	100
GPL45 0403	4	R3/8	9.0	12	20.3	14.5	17.1	17	35.3	8.6	10.8	3.2	24.6	50
GPL45 06M5	4	M5	11.2	4	13.7	15.5	18	9	30.1	11	13	2	5.0	100
GPL45 06M6	6	M6	11.2	5	14.7	15.5	18	9	31.1	11	13	3	5.4	100
GPL45 0601	6	R1/8	11.2	8	16.9	15.5	18	10	33.3	11	13	4	8.0	100
GPL45 0602	6	R1/4	11.2	11	19.9	15.5	18	14	36.3	11	13	4	16.3	50
GPL45 0603	6	R3/8	11.2	12	20.9	15.5	18	17	37.3	11	13	4	24.8	50
GPL45 0604	6	R1/2	11.2	15	24.9	15.5	18	21	41.3	11	13	4	45.1	50
GPL45 0801	6	R1/8	13.6	8	17.5	17.8	23.6	10	38.6	13	15	5.5	8.8	50
GPL45 0802	8	R1/4	13.6	11	20	17.8	23.6	14	41.1	13	15	5.5	16.7	50
GPL45 0803	8	R3/8	13.6	12	21	17.8	23.6	17	42.1	13	15	5.5	25.1	50
GPL45 0804	8	R1/2	13.6	15	25	17.8	23.6	21	46.1	13	15	5.5	45.4	25
GPL45 1001	8	R1/8	16.3	8	19.6	19.4	25	17	42.7	16	18.5	6	21.1	25
GPL45 1002	10	R1/4	16.3	11	22.6	19.4	25	17	45.7	16	18.5	8	25.4	25
GPL45 1003	10	R3/8	16.3	12	22.1	19.4	25	17	45.2	16	18.5	9	27.2	25
GPL45 1004	10	R1/2	16.3	15	25.1	19.4	25	21	48.2	16	18.5	9	45.1	25
GPL45 1201	12	R1/8	19.7	8	21.1	22.4	32.2	17	50.4	19.5	22.5	6	23.6	25
GPL45 1202	12	R1/4	19.7	11	24.1	22.4	32.2	17	53.4	19.5	22.5	8	27.9	25
GPL45 1203	12	R3/8	19.7	12	23.6	22.4	32.2	17	52.9	19.5	22.5	9.5	29.7	25
GPL45 1204	12	R1/2	19.7	15	26.6	22.4	32.2	21	55.9	19.5	22.5	9.5	47.6	25

GPT
Male Branch Tee



MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPT 03M3	3	M3	9	3	16.6	14.5	17.1	5.4	34.2	9	8.6	10.8	1.2	6.2	100
GPT 03M5	3	M5	9	4	16.6	14.5	17.1	4.4	34.2	9	8.6	10.8	2	6.4	100
GPT 03M6	3	M6	9	5	17.6	14.5	17.1	4.4	34.2	9	8.6	10.8	3	6.8	100
GPT 04M3	4	M3	9	3	16.6	14.5	17.1	5.4	34.2	9	8.6	10.8	1.2	6.0	100
GPT 04M5	4	M5	9	4	16.6	14.5	17.1	4.4	34.2	9	8.6	10.8	2	6.2	100
GPT 04M6	4	M6	9	5	17.6	14.5	17.1	4.4	34.2	9	8.6	10.8	3	6.7	100
GPT 0401	4	R1/8	9	8	19.8	14.5	17.1	5	34.2	10	8.6	10.8	3.2	9.5	100
GPT 0402	4	R1/4	9	11	22.8	14.5	17.1	5	34.2	14	8.6	10.8	3.2	18.7	50
GPT 0403	4	R3/8	9	12	23.8	14.5	17.1	5	34.2	17	8.6	10.8	3.2	28.0	50
GPT 06M5	6	M5	11.2	4	17.7	15.5	18	4.4	35.9	9	11	13	2	7.7	50
GPT 06M6	6	M6	11.2	5	18.7	15.5	18	4.4	35.9	9	11	13	3	8.2	50
GPT 0601	6	R1/8	11.2	8	20.9	15.5	18	5	35.9	10	11	13	4	11.0	50
GPT 0602	6	R1/4	11.2	11	23.9	15.5	18	5	35.9	14	11	13	4	20.2	50
GPT 0603	6	R3/8	11.2	12	24.9	15.5	18	5	35.9	17	11	13	4	29.5	50
GPT 0604	6	R1/2	11.2	15	28.9	15.5	18	6	35.9	21	11	13	4	51.9	25
GPT 0801	8	R1/8	13.6	8	23.5	17.8	23.6	5	47.2	10	13	15	5.5	14.9	50
GPT 0802	8	R1/4	13.6	11	26	17.8	23.6	4.5	47.2	14	13	15	5.5	23.6	50
GPT 0803	8	R3/8	13.6	12	27	17.8	23.6	4.5	47.2	17	13	15	5.5	32.9	50
GPT 0804	8	R1/2	13.6	15	31	17.8	23.6	5.5	47.2	21	13	15	5.5	55.2	25
GPT 1001	10	R1/8	16.3	8	25.8	19.4	25	6.5	50	17	16	18.5	6	26.3	25
GPT 1002	10	R1/4	16.3	11	28.8	19.4	25	6.5	50	17	16	18.5	8	31.0	25
GPT 1003	10	R3/8	16.3	12	28.3	19.4	25	5	50	17	16	18.5	9	33.0	25
GPT 1004	10	R1/2	16.3	15	31.3	19.4	25	5	50	21	16	18.5	9	52.7	25
GPT 1201	12	R1/8	19.7	8	27.5	22.4	32.2	6.5	64.4	17	19.5	22.5	6	37.0	20
GPT 1202	12	R1/4	19.7	11	30.5	22.4	32.2	6.5	64.4	17	19.5	22.5	8	41.7	20
GPT 1203	12	R3/8	19.7	12	30	22.4	32.2	5	64.4	17	19.5	22.5	9.5	43.7	20
GPT 1204	12	R1/2	19.7	15	33	22.4	32.2	5	64.4	21	19.5	22.5	9.5	63.4	20
GPT 1403	14	R3/8	23.5	12	37.45	24.4	31.9	10.5	63.8	20	23	25	11	69.1	12
GPT 1404	14	R1/2	23.5	15	39.95	24.4	31.9	10	63.8	21	23	25	12	83.4	12
GPT 1603	16	R3/8	25.6	12	38.5	25	34	10.5	68	20	24	27	11	69.8	12
GPT 1604	16	R1/2	25.6	15	41	25	34	10	68	21	24	27	13	84.1	12

*Rotating body construction after a proper installation.