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

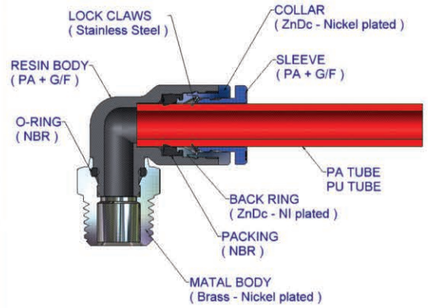
Application

- 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.

Structural Diagram



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	

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 08-02 (① ② ③)

GPC 08-02 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

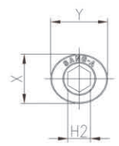
- Be sure to read the "Common Precautions" and the "Using Precautions of Fitting Series" (P12) before using.
- In putting tube on the fitting, be sure to push it deeply into the inside.
  In case of incorrect installation, there is a risk of air leakage or loose tube.

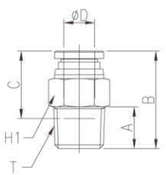
⚠ WARNING

- 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)

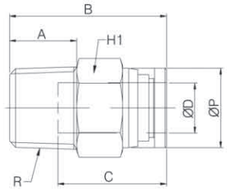
MODEL	ØD	R	A	B	C	H1	H2	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPC 03M3	3	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.5	100
GPC 03M5	3	M5	4	20.1	14.5	8	2	8.6	10.8	2	4.7	100
GPC 03M6	3	M6	5	21.1	14.5	9	2	8.6	10.8	2	6.8	100
GPC 04M3	4	M3	3	20.4	14.5	8	1.5	8.6	10.8	1.2	4.2	100
GPC 04M5	4	M5	4	20.1	14.5	8	2	8.6	10.8	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)

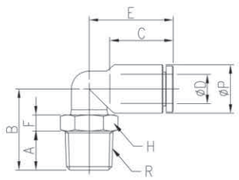


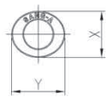
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	H1	H2	Orifice (Ømm)	W.G(g)	Q'ty/ 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





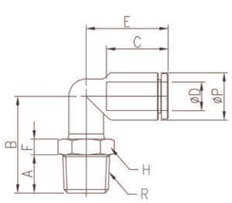
MODEL[ØD-T] Tube(Metric)–Thread(R)

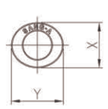
MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPL 03M3	3	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.5	100
GPL 03M5	3	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	4.7	100
GPL 03M6	3	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	2.5	5.2	100
GPL 04M3	4	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	4.4	100
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





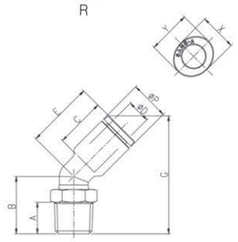
MODEL[ØD-T] Tube(Metric)–Thread(R)

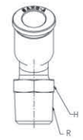
MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPL 04M3(L)	4	M3	9	3	17.8	14.5	17.1	5.4	9	8.6	10.8	1.2	4.0	100
GPL 04M5(L)	4	M5	9	4	17.8	14.5	17.1	4.4	9	8.6	10.8	2	4.2	100
GPL 04M6(L)	4	M6	9	5	18.8	14.5	17.1	4.4	9	8.6	10.8	3	4.6	100
GPL 0401(L)	4	R1/8	9	8	21	14.5	17.1	5	10	8.6	10.8	3.2	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



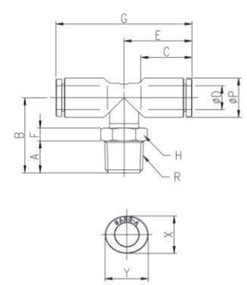


MODEL[ØD-T] Tube(Metric)–Thread(R)

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



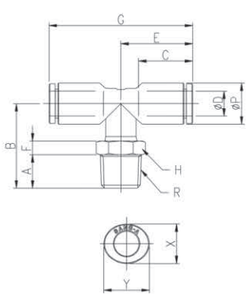
MODEL[ØD-T] Tube(Metric)–Thread(R)

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.

GPT(L)

Male Branch Tee



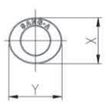
MODEL[ØD-T] Tube(Metric)–Thread(R)

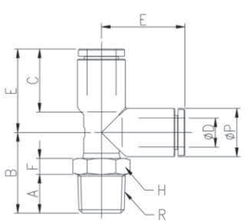
MODEL	ØD	R	ØP	A	B	C	E	F	G	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPT 04M3(L)	4	M3	9	3	17.8	14.5	17.1	5.4	34.2	9	8.6	10.8	1.2	6.0	100
GPT 04M5(L)	4	M5	9	4	17.8	14.5	17.1	4.4	34.2	9	8.6	10.8	2	6.1	100
GPT 04M6(L)	4	M6	9	5	18.8	14.5	17.1	4.4	34.2	9	8.6	10.8	3	6.5	100
GPT 0401(L)	4	R1/8	9	8	21	14.5	17.1	5	34.2	10	8.6	10.8	3.2	9.1	100
GPT 0402(L)	4	R1/4	9	11	24	14.5	17.1	5	34.2	14	8.6	10.8	3.2	17.4	50
GPT 0403(L)	4	R3/8	9	12	25	14.5	17.1	5	34.2	17	8.6	10.8	3.2	25.9	50
GPT 06M5(L)	6	M5	11.2	4	19.4	15.5	18	4.4	35.9	9	11	13	2	7.4	50
GPT 06M6(L)	6	M6	11.2	5	20.4	15.5	18	4.4	35.9	9	11	13	3	7.8	50
GPT 0601(L)	6	R1/8	11.2	8	22.6	15.5	18	5	35.9	10	11	13	4	10.4	50
GPT 0602(L)	6	R1/4	11.2	11	25.6	15.5	18	5	35.9	14	11	13	4	18.7	50
GPT 0603(L)	6	R3/8	11.2	12	26.6	15.5	18	5	35.9	17	11	13	4	27.2	50
GPT 0604(L)	6	R1/2	11.2	15	30.6	15.5	18	6	35.9	21	11	13	4	47.5	25
GPT 0801(L)	8	R1/8	13.6	8	25.3	17.8	23.6	5	47.2	10	13	15	5.5	12.7	50
GPT 0802(L)	8	R1/4	13.6	11	27.8	17.8	23.6	4.5	47.2	14	13	15	5.5	20.6	50
GPT 0803(L)	8	R3/8	13.6	12	28.8	17.8	23.6	4.5	47.2	17	13	15	5.5	29.0	50
GPT 0804(L)	8	R1/2	13.6	15	32.8	17.8	23.6	5.5	47.2	21	13	15	5.5	49.3	25
GPT 1001(L)	10	R1/8	16.3	8	29.7	19.4	25	6.5	50	17	16	18.5	6	29.0	25
GPT 1002(L)	10	R1/4	16.3	11	32.7	19.4	25	6.5	50	17	16	18.5	8	33.3	25
GPT 1003(L)	10	R3/8	16.3	12	32.2	19.4	25	5	50	17	16	18.5	9	35.1	25
GPT 1004(L)	10	R1/2	16.3	15	35.2	19.4	25	5	50	21	16	18.5	9	53.0	25
GPT 1201(L)	12	R1/8	19.7	8	31.4	22.4	32.2	6.5	64.4	17	19.5	22.5	6	33.8	20
GPT 1202(L)	12	R1/4	19.7	11	34.4	22.4	32.2	6.5	64.4	17	19.5	22.5	8	38.1	20
GPT 1203(L)	12	R3/8	19.7	12	33.9	22.4	32.2	5	64.4	17	19.5	22.5	9.5	39.9	20
GPT 1204(L)	12	R1/2	19.7	15	36.9	22.4	32.2	5	64.4	21	19.5	22.5	9.5	57.8	20

*Rotating body construction after a proper installation.

GPST

Male Run Tee





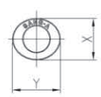
MODEL[ØD-T] Tube(Metric)–Thread(R)

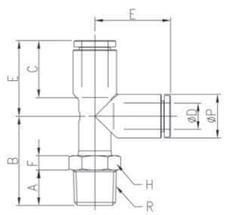
MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPST 03M3	3	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	6.2	100
GPST 03M5	3	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	6.4	100
GPST 03M6	3	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	3	6.8	100
GPST 04M3	4	M3	9	3	14.6	14.5	17.1	5.4	9	8.6	10.8	1.2	6.0	100
GPST 04M5	4	M5	9	4	14.6	14.5	17.1	4.4	9	8.6	10.8	2	6.2	100
GPST 04M6	4	M6	9	5	15.6	14.5	17.1	4.4	9	8.6	10.8	3	6.6	100
GPST 0401	4	R1/8	9	8	17.8	14.5	17.1	5	10	8.6	10.8	3.2	9.5	100
GPST 0402	4	R1/4	9	11	20.8	14.5	17.1	5	14	8.6	10.8	3.2	18.6	50
GPST 0403	4	R3/8	9	12	21.8	14.5	17.1	5	17	8.6	10.8	3.2	28.0	50
GPST 06M5	6	M5	11.2	4	15.7	15.5	19	4.4	9	11	13	2	7.9	50
GPST 06M6	6	M6	11.2	5	16.7	15.5	19	4.4	9	11	13	3	8.4	50
GPST 0601	6	R1/8	11.2	8	18.9	15.5	19	5	10	11	13	4	11.2	50
GPST 0602	6	R1/4	11.2	11	21.9	15.5	19	5	14	11	13	4	20.4	50
GPST 0603	6	R3/8	11.2	12	22.9	15.5	19	5	17	11	13	4	29.7	50
GPST 0604	6	R1/2	11.2	15	26.9	15.5	19	6	21	11	13	4	52.1	25
GPST 0801	8	R1/8	13.6	8	20.3	17.8	23.6	5	10	13	15	5.5	14.7	50
GPST 0802	8	R1/4	13.6	11	22.8	17.8	23.6	4.5	14	13	15	5.5	23.4	50
GPST 0803	8	R3/8	13.6	12	23.8	17.8	23.6	4.5	17	13	15	5.5	32.7	25
GPST 0804	8	R1/2	13.6	15	27.8	17.8	23.6	5.5	21	13	15	5.5	55.0	25
GPST 1001	10	R1/8	16.3	8	23.6	19.4	25	6.5	17	16	18.5	6	26.1	25
GPST 1002	10	R1/4	16.3	11	26.6	19.4	25	6.5	17	16	18.5	8	30.9	25
GPST 1003	10	R3/8	16.3	12	26.1	19.4	25	5	17	16	18.5	9	32.9	25
GPST 1004	10	R1/2	16.3	15	29.1	19.4	25	5	21	16	18.5	9	52.5	25
GPST 1201	12	R1/8	19.7	8	25.5	22.4	32.2	6.5	17	19.5	22.5	6	36.7	20
GPST 1202	12	R1/4	19.7	11	28.5	22.4	32.2	6.5	17	19.5	22.5	8	41.4	20
GPST 1203	12	R3/8	19.7	12	28	22.4	32.2	5	17	19.5	22.5	9.5	43.4	20
GPST 1204	12	R1/2	19.7	15	31	22.4	32.2	5	21	19.5	22.5	9.5	63.1	20
GPST 1403	14	R3/8	23.5	12	35	24.4	31.9	10.5	20	23	25	11	68.8	16
GPST 1404	14	R1/2	23.5	15	37.5	24.4	31.9	10	21	23	25	12	83.1	16
GPST 1603	16	R3/8	25.6	12	36	25	34	10.5	20	24	27	11	69.1	16
GPST 1604	16	R1/2	25.6	15	38.5	25	34	10	21	24	27	13	83.4	16

*Rotating body construction after a proper installation.

GPST(L)

Male Run Tee





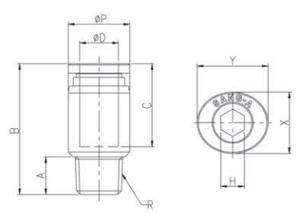
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPST 04M3(L)	4	M3	9	3	17.8	14.5	17.1	5.4	9	8.6	10.8	1.2	5.4	100
GPST 04M5(L)	4	M5	9	4	17.8	14.5	17.1	4.4	9	8.6	10.8	2	5.6	100
GPST 04M6(L)	4	M6	9	5	18.8	14.5	17.1	4.4	9	8.6	10.8	3	6.0	100
GPST 0401(L)	4	R1/8	9	8	21	14.5	17.1	5	10	8.6	10.8	3.2	8.6	100
GPST 0402(L)	4	R1/4	9	11	24	14.5	17.1	5	14	8.6	10.8	3.2	16.9	50
GPST 0403(L)	4	R3/8	9	12	25	14.5	17.1	5	17	8.6	10.8	3.2	25.4	50
GPST 06M5(L)	6	M5	11.2	4	19.4	15.5	19	4.4	9	11	13	2	7.3	50
GPST 06M6(L)	6	M6	11.2	5	20.4	15.5	19	4.4	9	11	13	3	7.7	50
GPST 0601(L)	6	R1/8	11.2	8	22.6	15.5	19	5	10	11	13	4	10.3	50
GPST 0602(L)	6	R1/4	11.2	11	25.6	15.5	19	5	14	11	13	4	18.6	50
GPST 0603(L)	6	R3/8	11.2	12	26.6	15.5	19	5	17	11	13	4	27.1	50
GPST 0604(L)	6	R1/2	11.2	15	30.6	15.5	19	6	21	11	13	4	47.4	25
GPST 0801(L)	8	R1/8	13.6	8	25.3	17.8	23.6	5	10	13	15	5.5	12.4	50
GPST 0802(L)	8	R1/4	13.6	11	27.8	17.8	23.6	4.5	14	13	15	5.5	20.3	50
GPST 0803(L)	8	R3/8	13.6	12	28.8	17.8	23.6	4.5	17	13	15	5.5	28.7	25
GPST 0804(L)	8	R1/2	13.6	15	32.8	17.8	23.6	5.5	21	13	15	5.5	49.0	25
GPST 1001(L)	10	R1/8	16.3	8	29.7	19.4	25	6.5	17	16	18.5	6	23.9	25
GPST 1002(L)	10	R1/4	16.3	11	32.7	19.4	25	6.5	17	16	18.5	8	28.2	25
GPST 1003(L)	10	R3/8	16.3	12	32.2	19.4	25	5	17	16	18.5	9	30.0	25
GPST 1004(L)	10	R1/2	16.3	15	35.2	19.4	25	5	21	16	18.5	9	47.9	25
GPST 1201(L)	12	R1/8	19.7	8	31.4	22.4	32.2	6.5	17	19.5	22.5	6	33.3	20
GPST 1202(L)	12	R1/4	19.7	11	34.4	22.4	32.2	6.5	17	19.5	22.5	8	37.6	20
GPST 1203(L)	12	R3/8	19.7	12	33.9	22.4	32.2	5	17	19.5	22.5	9.5	39.4	20
GPST 1204(L)	12	R1/2	19.7	15	36.9	22.4	32.2	5	21	19.5	22.5	9.5	57.3	20

*Rotating body construction after a proper installation.

GPOC

Round Male Straight



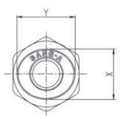
MODEL[ØD-T] Tube(Metric)–Thread(R)

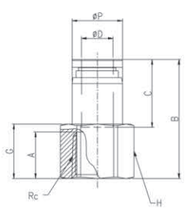
MODEL	ØD	R	ØP	A	B	C	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPOC 03M3	3	M3	8.2	3	20.4	14.5	1.5	8.6	10.8	1.2	4.1	100
GPOC 03M5	3	M5	8.2	4	20.1	14.5	2	8.6	10.8	2	4.5	100
GPOC 03M6	3	M6	8.8	5	21.1	14.5	2	8.6	10.8	2	6.0	100
GPOC 04M3	4	M3	8.2	3	20.4	14.5	1.5	8.6	10.8	1.2	3.9	100
GPOC 04M5	4	M5	8.2	4	20.1	14.5	2	8.6	10.8	2	4.2	100
GPOC 04M6	4	M6	8.8	5	21.1	14.5	3	8.6	10.8	3	5.5	100
GPOC 0401	4	R1/8	10	8	20.1	14.5	3	8.6	10.8	3	8.0	100
GPOC 0402	4	R1/4	13.5	11	20.1	14.5	3	8.6	10.8	3	16.6	100
GPOC 0403	4	R3/8	17	12	21.1	14.5	3	8.6	10.8	3	29.2	50
GPOC 06M5	6	M5	11	4	21.8	15.5	2	11	13	2	7.2	100
GPOC 06M6	6	M6	11	5	22.8	15.5	3	11	13	3	7.8	100
GPOC 0601	6	R1/8	11	8	22	15.5	4	11	13	4	8.6	100
GPOC 0602	6	R1/4	13.5	11	22.8	15.5	4	11	13	4	16.8	100
GPOC 0603	6	R3/8	17	12	21.8	15.5	4	11	13	4	27.8	50
GPOC 0801	8	R1/8	13	8	27.7	17.8	5	13	15	5	13.1	100
GPOC 0802	8	R1/4	13.5	11	25.7	17.8	6	13	15	6	15.5	100
GPOC 0803	8	R3/8	17	12	23.7	17.8	6	13	15	6	25.9	50
GPOC 0804	8	R1/2	21	15	26.7	17.8	6	13	15	6	50.5	50
GPOC 1001	10	R1/8	15.5	8	29.4	19.4	5	16	18.5	5	18.0	50
GPOC 1002	10	R1/4	15.5	11	32.4	19.4	6	16	18.5	6	23.3	50
GPOC 1003	10	R3/8	17	12	28.4	19.4	8	16	18.5	8	25.7	50
GPOC 1004	10	R1/2	21	15	27.3	19.4	8	16	18.5	8	46.7	50
GPOC 1201	12	R1/8	18.8	8	32.4	22.4	5	19.5	22.5	5	24.5	50
GPOC 1202	12	R1/4	18.8	11	35.4	22.4	6	19.5	22.5	6	29.7	50
GPOC 1203	12	R3/8	18.8	12	31.8	22.4	8	19.5	22.5	8	30.2	50
GPOC 1204	12	R1/2	21	15	33.8	22.4	8	19.5	22.5	8	50.6	25

*Hexagonal wrench may be used for a proper tightening.

GPCF

Female Straight



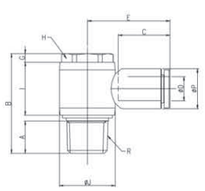


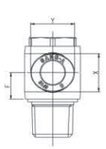
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	Rc	ØP	G	A	B	C	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPCF 03M3	3	M3	8.8	5	3.5	18	14.5	9	8.6	10.8	2.5	6.4	100
GPCF 03M5	3	M5	8.8	5	5	20.5	14.5	9	8.6	10.8	2.5	7.3	100
GPCF 04M3	4	M3	8.8	5	3.5	18	14.5	9	8.6	10.8	2.5	7.3	100
GPCF 04M5	4	M5	8.8	5	5	20.5	14.5	9	8.6	10.8	3.2	7.0	100
GPCF 0401	4	Rc1/8	8.8	11	9	24.4	14.5	13	8.6	10.8	3.2	13.5	100
GPCF 0402	4	Rc1/4	8.8	14	12	27.4	14.5	17	8.6	10.8	3.2	24.9	100
GPCF 0403	4	Rc3/8	8.8	15	13	28.4	14.5	19	8.6	10.8	3.2	26.3	50
GPCF 0601	6	Rc1/8	11	11	9	25.4	15.5	13	11	13	5	14.8	100
GPCF 0602	6	Rc1/4	11	14	12	28.4	15.5	17	11	13	5	26.1	50
GPCF 0603	6	Rc3/8	11	15	13	29.4	15.5	19	11	13	5	27.6	50
GPCF 0801	8	Rc1/8	13	10	9	27.7	17.8	13	13	15	7	16.4	50
GPCF 0802	8	Rc1/4	13	14	12	30.7	17.8	17	13	15	7	27.7	50
GPCF 0803	8	Rc3/8	13	15	13	31.7	17.8	19	13	15	7	29.2	50
GPCF 0804	8	Rc1/2	13	18	16	34.7	17.8	24	13	15	7	50.5	25
GPCF 1001	10	Rc1/8	15.5	10	9	29.4	19.4	17	16	18.5	7	29.9	50
GPCF 1002	10	Rc1/4	15.5	13	12	32.4	19.4	17	16	18.5	9	30.3	50
GPCF 1003	10	Rc3/8	15.5	15	13	33.4	19.4	19	16	18.5	9	32.5	25
GPCF 1004	10	Rc1/2	15.5	18	16	36.4	19.4	24	16	18.5	9	53.6	25
GPCF 1202	12	Rc1/8	18.8	12	12	35.4	22.4	19	19.5	22.5	10	45.3	25
GPCF 1203	12	Rc1/4	18.8	15	13	36.4	22.4	19	19.5	22.5	10	39.4	25
GPCF 1204	12	Rc3/8	18.8	18	16	39.4	22.4	24	19.5	22.5	10	60.6	25

GPH

Male Banjo





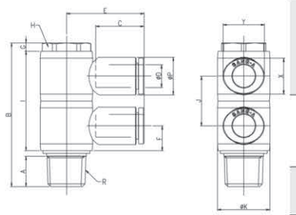
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPH 03M5	3	M5	9	3.5	17.8	14.5	19.5	6.6	2.5	8	11.8	10	8.6	10.8	2	6.0	100
GPH 04M5	4	M5	9	3.5	17.8	14.5	19.5	6.6	2.5	8	11.8	10	8.6	10.8	2	5.9	100
GPH 0401	4	R1/8	9	8	26.5	14.5	21.5	7.3	2.5	13	14.5	14	8.6	10.8	3.2	16.1	50
GPH 0402	4	R1/4	9	11	34	14.5	24	9	3	17	18	19	8.6	10.8	3.2	31.4	50
GPH 0403	4	R3/8	9	12	39.8	14.5	25.7	10.5	4	21	21	22.4	8.6	10.8	3.2	52.6	50
GPH 06M5	6	M5	11.2	3.5	17.8	15.5	20.5	7.1	2.5	8	11.8	10	8.6	10.8	2	6.7	100
GPH 0601	6	R1/8	11.2	8	26.5	15.5	22.5	7.3	2.5	13	14.5	14	11	13	5	16.9	50
GPH 0602	6	R1/4	11.2	11	34	15.5	25	9	3	17	18	19	11	13	5	32.2	50
GPH 0603	6	R3/8	11.2	12	39.8	15.5	26.7	10.5	4	21	21	22.4	11	13	5	53.3	25
GPH 0801	8	R1/8	13.6	8	26.5	17.8	25.6	8	2.5	13	14.5	14	13	15	6	18.1	50
GPH 0802	8	R1/4	13.6	11	34	17.8	28.1	9	3	17	18	19	13	15	7	33.5	50
GPH 0803	8	R3/8	13.6	12	39.8	17.8	29.8	10.5	4	21	21	22.4	13	15	7	53.8	25
GPH 0804	8	R1/2	13.6	15	44.8	17.8	32.1	11	5	24	22	27	13	15	7	89.2	25
GPH 1002	10	R1/4	16.3	11	34	19.4	28.9	9.7	3	17	18	19	16	18.5	8	36.7	25
GPH 1003	10	R3/8	16.3	12	39.8	19.4	30.6	10.5	4	21	21	22.4	16	18.5	9	56.0	25
GPH 1004	10	R1/2	16.3	15	44.8	19.4	32.9	11	5	24	22	27	16	18.5	9	90.4	20
GPH 1203	12	R3/8	19.7	12	39.8	22.4	35.9	11.9	4	21	21	22.4	19.5	22.5	9.2	60.2	25
GPH 1204	12	R1/2	19.7	15	44.8	22.4	38.2	11.9	5	24	22	27	19.5	22.5	9.5	94.6	20

*Rotating body construction after a proper installation.

GPH(D2)

Double Universal Elbow



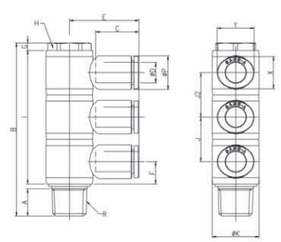
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	J	ØK	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPH 03M5(2)	3	M5	9	3.5	29.6	14.5	19.5	6.6	2.5	8	23.6	11.8	10	8.6	10.8	2	10.2	25
GPH 04M5(2)	4	M5	9	3.5	29.6	14.5	19.5	6.6	2.5	8	23.6	11.8	10	8.6	10.8	2	10.0	25
GPH 0401(2)	4	R1/8	9	8	41	14.5	21.5	7.3	2.5	13	29	14.5	14	8.6	10.8	3.2	24.7	25
GPH 0402(2)	4	R1/4	9	11	52	14.5	24	9	3	17	36	18	19	8.6	10.8	3.2	46.9	25
GPH 0403(2)	4	R3/8	9	12	60.8	14.5	25.7	10.5	4	21	42	21	22.4	8.6	10.8	3.2	75.2	25
GPH 06M5(2)	6	M5	11.2	3.5	29.6	15.5	20.5	7.1	2.5	8	23.6	11.8	10	11	13	2	11.6	25
GPH 0601(2)	6	R1/8	11.2	8	41	15.5	22.5	7.3	2.5	13	29	14.5	14	11	13	5	26.2	25
GPH 0602(2)	6	R1/4	11.2	11	52	15.5	25	9	3	17	36	18	19	11	13	5	48.5	25
GPH 0603(2)	6	R3/8	11.2	12	60.8	15.5	26.7	10.5	4	21	42	21	22.4	11	13	5	76.8	25
GPH 0801(2)	8	R1/8	13.6	8	41	17.8	25.6	8	2.5	13	29	14.5	14	13	15	6	28.8	25
GPH 0802(2)	8	R1/4	13.6	11	52	17.8	28.1	9	3	17	36	18	19	13	15	7	51.1	25
GPH 0803(2)	8	R3/8	13.6	12	60.8	17.8	29.8	10.5	4	21	42	21	22.4	13	15	7	77.6	25
GPH 0804(2)	8	R1/2	13.6	15	66.8	17.8	32.1	11	5	24	44	22	27	13	15	7	125.2	25
GPH 1002(2)	10	R1/4	16.3	11	52	19.4	28.9	9.7	3	17	36	18	19	16	18.5	8	57.4	25
GPH 1003(2)	10	R3/8	16.3	12	60.8	19.4	30.6	10.5	4	21	42	21	22.4	16	18.5	9	82.0	20
GPH 1004(2)	10	R1/2	16.3	15	66.8	19.4	32.9	11	5	24	44	22	27	16	18.5	9	127.6	20
GPH 1203(2)	12	R3/8	19.7	12	60.8	22.4	35.9	11.9	4	21	42	21	22.4	19.5	22.5	9.2	90.5	9
GPH 1204(2)	12	R1/2	19.7	15	66.8	22.4	38.2	11.9	5	24	44	22	27	19.5	22.5	9.5	136.1	9

*Rotating body construction after a proper installation.

GPH(D3)

Triple Universal Elbow



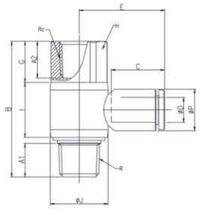
MODEL[ØD-T] Tube(Metric)–Thread(R)

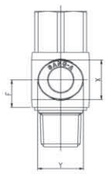
MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	J	J2	ØK	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPH 03M5(3)	3	M5	9	3.5	41.4	14.5	19.5	6.6	2.5	8	35.4	11.8	11.8	10	8.6	10.8	2	14.5	25
GPH 04M5(3)	4	M5	9	3.5	41.4	14.5	19.5	6.6	2.5	8	35.4	11.8	11.8	10	8.6	10.8	2	14.2	25
GPH 0401(3)	4	R1/8	9	8	55.5	14.5	21.5	7.3	2.5	13	43.5	14.5	14.5	14	8.6	10.8	3.2	33.5	25
GPH 0402(3)	4	R1/4	9	11	70	14.5	24	9	3	17	54	18	18	19	8.6	10.8	3.2	61.5	25
GPH 0403(3)	4	R3/8	9	12	81.8	14.5	25.7	10.5	4	21	63	21	21	22.4	8.6	10.8	3.2	98.0	25
GPH 06M5(3)	6	M5	11.2	3.5	41.4	15.5	20.5	7.1	2.5	8	35.4	11.8	11.8	10	11	13	2	16.6	25
GPH 0601(3)	6	R1/8	11.2	8	55.5	15.5	22.5	7.3	2.5	13	43.5	14.5	14.5	14	11	13	5	35.7	25
GPH 0602(3)	6	R1/4	11.2	11	70	15.5	25	9	3	17	54	18	18	19	11	13	5	63.8	25
GPH 0603(3)	6	R3/8	11.2	12	81.8	15.5	26.7	10.5	4	21	63	21	21	22.4	11	13	5	100.3	25
GPH 0801(3)	8	R1/8	13.6	8	55.5	17.8	25.6	8	2.5	13	43.5	14.5	14.5	14	13	15	6	39.5	25
GPH 0802(3)	8	R1/4	13.6	11	70	17.8	28.1	9	3	17	54	18	18	19	13	15	7	67.7	25
GPH 0803(3)	8	R3/8	13.6	12	81.8	17.8	29.8	10.5	4	21	63	21	21	22.4	13	15	7	101.6	20
GPH 0804(3)	8	R1/2	13.6	15	88.8	17.8	32.1	11	5	24	66	22	22	27	13	15	7	161.0	20
GPH 1002(3)	10	R1/4	16.3	11	70	19.4	28.9	9.7	3	17	54	18	18	19	16	18.5	8	77.3	12
GPH 1003(3)	10	R3/8	16.3	12	81.8	19.4	30.6	10.5	4	21	63	21	21	22.4	16	18.5	9	108.2	12
GPH 1004(3)	10	R1/2	16.3	15	88.8	19.4	32.9	11	5	24	66	22	22	27	16	18.5	9	164.6	12
GPH 1203(3)	12	R3/8	19.7	12	81.8	22.4	35.9	11.9	4	21	63	21	21	22.4	19.5	22.5	9.2	120.9	9
GPH 1204(3)	12	R1/2	19.7	15	88.8	22.4	38.2	11.9	5	24	66	22	22	27	19.5	22.5	9.5	177.4	9

*Rotating body construction after a proper installation.

GPHF

Female Banjo





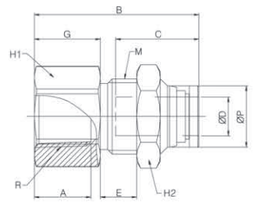
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	Rc	ØP	A1	A2	B	C	E	F	G	H	I	ØJ	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPHF 03M5-M5	3	M5	M5	9	3.5	5	20.8	14.5	19.5	6.6	5.5	8	11.8	10	8.6	10.8	2	6.8	100
GPHF 04M5-M5	4	M5	M5	9	3.5	5	20.8	14.5	19.5	6.6	5.5	8	11.8	10	8.6	10.8	2	6.7	100
GPHF 0401-01	4	R1/8	R1/8	9	8	9	34.5	14.5	21.5	7.3	10.5	13	14.5	14	8.6	10.8	3.2	21.2	50
GPHF 0402-02	4	R1/4	R1/4	9	11	12	44.5	14.5	24	9	13.5	17	18	19	8.6	10.8	3.2	42.0	50
GPHF 0403-03	4	R3/8	R3/8	9	12	13	50.8	14.5	25.7	10.5	15	21	21	22.4	8.6	10.8	3.2	66.8	50
GPHF 06M5-M5	6	M5	M5	11.2	3.5	5	20.8	15.5	20.5	7.1	5.5	8	11.8	10	11	13	2	7.5	50
GPHF 0601-01	6	R1/8	R1/8	11.2	8	9	34.5	15.5	22.5	7.3	10.5	13	14.5	14	11	13	5	22.0	50
GPHF 0602-02	6	R1/4	R1/4	11.2	11	12	44.5	15.5	25	9	13.5	17	18	19	11	13	5	42.8	50
GPHF 0603-03	6	R3/8	R3/8	11.2	12	13	50.8	15.5	26.7	10.5	15	21	21	22.4	11	13	5	67.5	50
GPHF 0801-01	8	R1/8	R1/8	13.6	8	9	34.5	17.8	25.6	8	10.5	13	14.5	14	13	15	6	23.2	50
GPHF 0802-02	8	R1/4	R1/4	13.6	11	12	44.5	17.8	28.1	9	13.5	17	18	19	13	15	7	44.1	50
GPHF 0803-03	8	R3/8	R3/8	13.6	12	13	50.8	17.8	29.8	10.5	15	21	21	22.4	13	15	7	68.0	25
GPHF 0804-04	8	R1/2	R1/2	13.6	15	16	58.8	17.8	32.1	11	19	24	22	27	13	15	7	106.4	25
GPHF 1002-02	10	R1/4	R1/4	16.3	11	12	44.5	19.4	28.9	9.7	13.5	17	18	19	16	18.5	8	47.3	25
GPHF 1003-03	10	R3/8	R3/8	16.3	12	13	50.8	19.4	30.6	10.5	15	21	21	22.4	16	18.5	9	70.2	25
GPHF 1004-04	10	R1/2	R1/2	16.3	15	16	58.8	19.4	32.9	11	19	24	22	27	16	18.5	9	107.6	20
GPHF 1203-03	12	R3/8	R3/8	19.7	12	13	50.8	22.4	35.9	11.9	15	21	21	22.4	19.5	22.5	9.2	74.4	20
GPHF 1204-04	12	R1/2	R1/2	19.7	15	16	58.8	22.4	38.2	11.9	19	24	22	27	19.5	22.5	9.5	111.8	20

*Rotating body construction after a proper installation.

GPMF

Bulkhead Female Straight

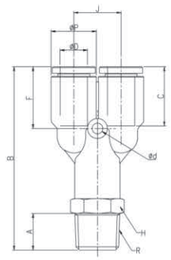


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	Rc	ØP	M	G	A	B	C	E	H1	H2	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPMF 0401	4	Rc1/8	8.8	M12X1.0P	11	9	25.1	14.5	3.4	14	14	3.2	18.3	100
GPMF 0402	4	Rc1/4	8.8	M12X1.0P	14	12	28.1	14.5	3.4	17	14	3.2	26.0	50
GPMF 0403	4	Rc3/8	8.8	M12X1.0P	15	13	29.1	14.5	3.4	19	14	3.2	27.5	50
GPMF 0601	6	Rc1/8	11	M14X1.0P	9	9	26.3	15.5	6	17	17	5	26.6	50
GPMF 0602	6	Rc1/4	11	M14X1.0P	14	12	31.3	15.5	6	17	17	5	31.4	50
GPMF 0603	6	Rc3/8	11	M14X1.0P	15	13	32.3	15.5	6	19	17	5	32.9	50
GPMF 0801	8	Rc1/8	13	M16X1.0P	8	9	28.9	17.8	7.7	19	19	7	39.9	50
GPMF 0802	8	Rc1/4	13	M16X1.0P	14	12	34.9	17.8	7.7	19	19	7	44.8	50
GPMF 0803	8	Rc3/8	13	M16X1.0P	15	13	35.9	17.8	7.7	19	19	7	41.8	50
GPMF 0804	8	Rc1/2	13	M16X1.0P	18	16	38.9	17.8	7.7	24	19	7	59.7	25
GPMF 1001	10	Rc1/8	15.5	M20X1.0P	10	9	29.3	19.4	5.7	22	24	7	54.8	25
GPMF 1002	10	Rc1/4	15.5	M20X1.0P	13	12	32.3	19.4	5.7	22	24	9	59.7	25
GPMF 1003	10	Rc3/8	15.5	M20X1.0P	15	13	34.3	19.4	5.7	22	24	9	58.3	25
GPMF 1004	10	Rc1/2	15.5	M20X1.0P	18	16	37.3	19.4	5.7	24	24	9	62.1	25
GPMF 1201	12	Rc1/8	18.8	M22X1.0P	9	9	32.4	22.4	8.2	24	26	8	69.4	25
GPMF 1202	12	Rc1/4	18.8	M22X1.0P	12	12	35.4	22.4	8.2	24	26	10	76.4	25
GPMF 1203	12	Rc3/8	18.8	M22X1.0P	14	13	37.4	22.4	8.2	24	26	10	76.1	25
GPMF 1204	12	Rc1/2	18.8	M22X1.0P	18	16	41.4	22.4	8.2	24	26	10	74.1	25

GPWT

Male Y



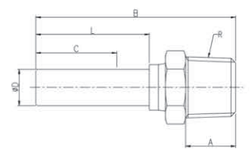
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	Ød	J	F	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPWT 04M5	4	M5	9	4	37.4	14.5	3.2	9.3	13.2	9	8.6	10.8	2	8.9	50
GPWT 04M6	4	M6	9	5	38.4	14.5	3.2	9.3	13.2	9	8.6	10.8	2.1	9.4	50
GPWT 0401	4	R1/8	9	8	40.6	14.5	3.2	9.3	13.2	10	8.6	10.8	2.1	11.6	50
GPWT 0402	4	R1/4	9	11	43.6	14.5	3.2	9.3	13.2	14	8.6	10.8	2.1	20.5	50
GPWT 0403	4	R3/8	9	12	44.6	14.5	3.2	9.3	13.2	17	8.6	10.8	2.1	28.8	50
GPWT 06M5	6	M5	11.2	4	40.5	15.5	3.2	11.4	14.1	11	11	13	2	12.9	50
GPWT 06M6	6	M6	11.2	5	41.5	15.5	3.2	11.4	14.1	11	11	13	3	13.3	50
GPWT 0601	6	R1/8	11.2	8	43.7	15.5	3.2	11.4	14.1	11	11	13	3.6	15.2	50
GPWT 0602	6	R1/4	11.2	11	46.7	15.5	3.2	11.4	14.1	14	11	13	3.6	23.1	50
GPWT 0603	6	R3/8	11.2	12	47.7	15.5	3.2	11.4	14.1	17	11	13	3.6	35.2	25
GPWT 0604	6	R1/2	11.3	15	51.7	15.5	3.2	11.4	14.1	21	11	13	3.6	52.6	25
GPWT 0801	8	R1/8	13.6	8	52.6	17.8	3.2	14.2	18.6	13	13	15	5.4	23.3	50
GPWT 0802	8	R1/4	13.6	11	55.1	17.8	3.2	14.2	18.6	14	13	15	5.4	27.9	50
GPWT 0803	8	R3/8	13.6	12	56.1	17.8	3.2	14.2	18.6	17	13	15	5.4	36.2	25
GPWT 0804	8	R1/2	13.6	15	60.1	17.8	3.2	14.2	18.6	21	13	15	5.4	57.2	25
GPWT 1001	10	R1/8	16.3	8	53	19.4	4.2	17	18	17	16	18.5	6	30.6	25
GPWT 1002	10	R1/4	16.3	11	56	19.4	4.2	17	18	17	16	18.5	6.4	35.2	25
GPWT 1003	10	R3/8	16.3	12	58	19.4	4.2	17	18	17	16	18.5	6.4	40.8	25
GPWT 1004	10	R1/2	16.3	15	61	19.4	4.2	17	18	21	16	18.5	6.4	59.8	25
GPWT 1201	12	R1/8	19.7	8	62.9	22.4	4.2	20	23.9	19	19.5	22.5	6	49.0	25
GPWT 1202	12	R1/4	19.7	11	65.9	22.4	4.2	20	23.9	19	19.5	22.5	7.3	53.7	20
GPWT 1203	12	R3/8	19.7	12	67.9	22.4	4.2	20	23.9	19	19.5	22.5	7.3	59.5	20
GPWT 1204	12	R1/2	19.7	15	70.9	22.4	4.2	20	23.9	21	19.5	22.5	7.3	74.9	20

*Rotating body construction after a proper installation.

GPCJ

Plug-In Male

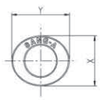


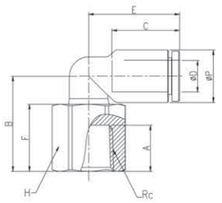
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	A	B	L	C	H	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPCJ 04M5	4	M5	4	31.2	18	14.5	9	2	3.1	100
GPCJ 0401	4	R1/8	8	34.4	18	14.5	10	2.5	6.1	100
GPCJ 0402	4	R1/4	11	37.4	18	14.5	14	25	14.4	100
GPCJ 06M5	6	M5	4	36.2	23	15.5	9	2	3.3	100
GPCJ 0601	6	R1/8	8	39.4	23	15.5	10	4	6.3	100
GPCJ 0602	6	R1/4	11	42.2	23	15.5	14	4	14.6	50
GPCJ 0603	6	R3/8	12	43.4	23	15.5	17	4	23.1	50
GPCJ 0801	8	R1/8	8	41.5	25	17.8	10	6	6.1	50
GPCJ 0802	8	R1/4	11	44	25	17.8	14	6	14.0	50
GPCJ 0803	8	R3/8	12	45	25	17.8	17	6	22.4	50
GPCJ 1002	10	R1/4	11	49.1	27	19.4	17	8	18.8	25
GPCJ 1003	10	R3/8	12	48.6	27	19.4	17	8	20.6	25
GPCJ 1004	10	R1/2	15	51.6	27	19.4	21	8	38.5	25
GPCJ 1202	12	R1/4	11	51.1	29	22.4	17	8	19.7	25
GPCJ 1203	12	R3/8	12	50.6	29	22.4	17	9	21.5	25
GPCJ 1204	12	R1/2	15	53.6	29	22.4	21	9	39.4	25
GPCJ 1403	14	R3/8	12	56.5	30	24.4	20	11	33.1	12
GPCJ 1404	14	R1/2	15	59	30	24.4	21	11	46.1	12
GPCJ 1603	16	R3/8	12	57.5	31	25	20	11	33.7	12
GPCJ 1604	16	R1/2	15	60	31	25	21	13	46.7	12

GPLF

Female Elbow





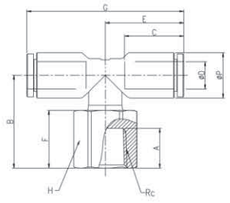
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPLF 04M5	4	M5	9	5	14.6	14.5	17.1	9.8	9	8.6	10.8	3.2	4.9	100
GPLF 04M6	4	M6	9	6	15.6	14.5	17.1	10.8	9	8.6	10.8	3.2	5.0	100
GPLF 0401	4	R1/8	9	9	18.6	14.5	17.1	13.8	13	8.6	10.8	3.2	14.7	100
GPLF 0402	4	R1/4	9	12	21.6	14.5	17.1	16.8	17	8.6	10.8	3.2	28.6	50
GPLF 06M5	6	M5	11.2	5	15.7	15.5	18	9.8	9	11	13	3.5	5.7	100
GPLF 06M6	6	M6	11.2	6	16.7	15.5	18	10.8	9	11	13	4	5.9	100
GPLF 0601	6	R1/8	11.2	9	19.7	15.5	18	13.8	13	11	13	4	15.5	50
GPLF 0602	6	R1/4	11.2	12	22.7	15.5	18	16.8	17	11	13	4	29.4	50
GPLF 0603	6	R3/8	11.2	13	23.7	15.5	18	17.8	19	11	13	4	32.6	25
GPLF 0801	8	R1/8	13.6	9	21.7	17.8	23.6	14.4	13	13	15	5.5	17.9	50
GPLF 0802	8	R1/4	13.6	12	24.7	17.8	23.6	17.4	17	13	15	5.5	32.4	50
GPLF 0803	8	R3/8	13.6	13	25.7	17.8	23.6	18.4	19	13	15	5.5	35.9	25
GPLF 1002	10	R1/4	16.3	12	26	19.4	25	16.9	17	16	18.5	9	30.8	25
GPLF 1003	10	R3/8	16.3	13	27	19.4	25	17.9	19	16	18.5	9	34.0	25
GPLF 1004	10	R1/2	16.3	16	30	19.4	25	20.9	24	16	18.5	9	60.3	25
GPLF 1202	12	R1/4	19.7	12	27.9	22.4	32.2	16.9	17	19.5	22.5	9.5	36.4	25
GPLF 1203	12	R3/8	19.7	13	28.9	22.4	32.2	17.9	19	19.5	22.5	9.5	39.6	20
GPLF 1204	12	R1/2	19.7	16	31.9	22.4	32.2	20.9	24	19.5	22.5	9.5	65.9	20

*Rotating body construction after a proper installation.

GPTF

Female Branch Tee

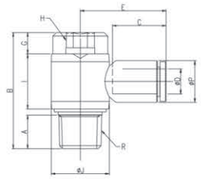


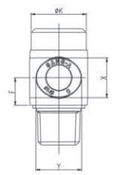
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPTF 04M5	4	M5	9	5	16.6	14.5	17.1	9.8	34.2	9	8.6	10.8	3.2	6.6	100
GPTF 04M6	4	M6	9	6	17.6	14.5	17.1	10.8	34.2	9	8.6	10.8	3.2	6.7	100
GPTF 0401	4	R1/8	9	9	20.6	14.5	17.1	13.8	34.2	13	8.6	10.8	3.2	16.4	100
GPTF 0402	4	R1/4	9	12	23.6	14.5	17.1	16.8	34.2	17	8.6	10.8	3.2	30.2	50
GPTF 06M5	6	M5	11.2	5	17.7	15.5	18	9.8	35.9	9	11	13	3.5	8.1	50
GPTF 06M6	6	M6	11.2	6	18.7	15.5	18	10.8	35.9	9	11	13	4	8.2	50
GPTF 0601	6	R1/8	11.2	9	21.7	15.5	18	13.8	35.9	13	11	13	4	17.9	50
GPTF 0602	6	R1/4	11.2	12	24.7	15.5	18	16.8	35.9	17	11	13	4	31.7	50
GPTF 0603	6	R3/8	11.2	13	25.7	15.5	18	17.8	35.9	19	11	13	4	34.9	15
GPTF 0801	8	R1/8	13.6	9	24.9	17.8	23.6	14.4	47.2	13	13	15	5.5	22.4	50
GPTF 0802	8	R1/4	13.6	12	27.9	17.8	23.6	17.4	47.2	17	13	15	5.5	36.9	50
GPTF 0803	8	R3/8	13.6	13	28.9	17.8	23.6	18.4	47.2	19	13	15	5.5	40.5	15
GPTF 1002	10	R1/4	16.3	12	28.2	19.4	25	16.9	50	17	16	18.5	9	36.3	25
GPTF 1003	10	R3/8	16.3	13	29.2	19.4	25	17.9	50	19	16	18.5	9	39.5	15
GPTF 1004	10	R1/2	16.3	16	32.2	19.4	25	20.9	50	24	16	18.5	9	65.8	15
GPTF 1202	12	R1/4	19.7	12	29.9	22.4	32.2	16.9	64.4	17	19.5	22.5	9.5	47.0	20
GPTF 1203	12	R3/8	19.7	13	30.9	22.4	32.2	17.9	64.4	19	19.5	22.5	9.5	50.2	15
GPTF 1204	12	R1/2	19.7	16	33.9	22.4	32.2	20.9	64.4	24	19.5	22.5	9.5	76.5	15

GPOL

Hex.Holed Banjo





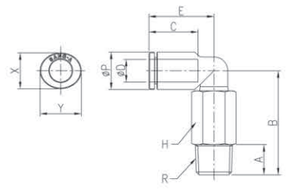
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	ØK	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPOL 03M5	3	M5	9	3.5	19.3	14.5	19.5	6.6	4	3	11.8	10	9	8.6	10.8	2	6.4	100
GPOL 04M5	4	M5	9	3.5	19.3	14.5	19.5	6.6	4	3	11.8	10	9	8.6	10.8	2	6.3	100
GPOL 0401	4	R1/8	9	8	30	14.5	21.5	7.3	6	6	14.5	14	13	8.6	10.8	3.2	18.5	50
GPOL 0402	4	R1/4	9	11	38	14.5	24	9	7	8	18	19	18	8.6	10.8	3.2	37.5	50
GPOL 0403	4	R3/8	9	12	42.8	14.5	25.7	10.5	7	10	21	22.4	21	8.6	10.8	3.2	57.6	25
GPOL 06M5	6	M5	11.2	3.5	19.3	15.5	20.5	7.1	4	3	11.8	10	9	8.6	10.8	2	7.1	100
GPOL 0601	6	R1/8	11.2	8	30	15.5	22.5	7.3	6	6	14.5	14	13	11	13	5	19.3	50
GPOL 0602	6	R1/4	11.2	11	38	15.5	25	9	7	8	18	19	18	11	13	5	38.3	50
GPOL 0603	6	R3/8	11.2	12	42.8	15.5	26.7	10.5	7	10	21	22.4	21	11	13	5	58.3	25
GPOL 0801	8	R1/8	13.6	8	30	17.8	25.6	8	6	6	14.5	14	13	13	15	6	20.5	50
GPOL 0802	8	R1/4	13.6	11	38	17.8	28.1	9	7	8	18	19	18	13	15	7	39.6	50
GPOL 0803	8	R3/8	13.6	12	42.8	17.8	29.8	10.5	7	10	21	22.4	21	13	15	7	58.8	25
GPOL 0804	8	R1/2	13.6	15	50.8	17.8	32.1	11	11	12	22	27	25	13	15	7	105.9	20
GPOL 1002	10	R1/4	16.3	11	38	19.4	28.9	9.7	7	8	18	19	18	16	18.5	8	42.8	25
GPOL 1003	10	R3/8	16.3	12	42.8	19.4	30.6	10.5	7	10	21	22.4	21	16	18.5	9	61.0	25
GPOL 1004	10	R1/2	16.3	15	50.8	19.4	32.9	11	11	12	22	27	25	16	18.5	9	107.1	20
GPOL 1203	12	R3/8	19.7	12	42.8	22.4	35.9	11.9	7	10	21	22.4	21	19.5	22.5	9.2	65.2	25
GPOL 1204	12	R1/2	19.7	15	50.8	22.4	38.2	11.9	11	12	22	27	25	19.5	22.5	9.5	111.3	20

*Rotating body construction after a proper installation.

GPLL

Extended Male Elbow



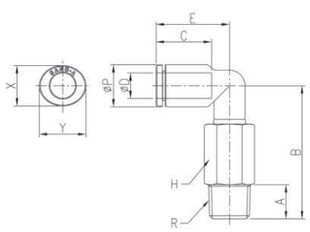
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	H	X	Y	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPLL 03M3	3	M3	9	3	27.1	14.5	17.1	9	8.6	10.8	1.2	10.7	100
GPLL 03M5	3	M5	9	4	27.1	14.5	17.1	9	8.6	10.8	2	10.7	100
GPLL 04M3	4	M3	9	3	27.1	14.5	17.1	9	8.6	10.8	1.2	10.5	100
GPLL 04M5	4	M5	9	4	27.1	14.5	17.1	9	8.6	10.8	2	10.5	100
GPLL 04M6	4	M6	9	5	28.1	14.5	17.1	9	8.6	10.8	3	11.0	100
GPLL 0401	4	R1/8	9	8	30.3	14.5	17.1	10	8.6	10.8	3.2	14.7	50
GPLL 0402	4	R1/4	9	11	33.3	14.5	17.1	14	8.6	10.8	3.2	31.0	50
GPLL 0403	4	R3/8	9	12	34.3	14.5	17.1	17	8.6	10.8	3.2	44.4	50
GPLL 06M5	6	M5	11.2	4	28.2	15.5	18	9	11	13	2	11.4	50
GPLL 06M6	6	M6	11.2	5	29.2	15.5	18	9	11	13	3	11.8	50
GPLL 0601	6	R1/8	11.2	8	31.4	15.5	18	10	11	13	4	15.5	50
GPLL 0602	6	R1/4	11.2	11	34.4	15.5	18	14	11	13	4	31.8	50
GPLL 0603	6	R3/8	11.2	12	35.4	15.5	18	17	11	13	4	45.2	50
GPLL 0801	8	R1/8	13.6	8	35.3	17.8	23.6	10	13	15	5.5	18.6	50
GPLL 0802	8	R1/4	13.6	11	37.8	17.8	23.6	14	13	15	5.5	35.8	50
GPLL 0803	8	R3/8	13.6	12	38.8	17.8	23.6	17	13	15	5.5	50.0	25
GPLL 0804	8	R1/2	13.6	15	42.8	17.8	23.6	21	13	15	5.5	84.1	20
GPLL 1001	10	R1/8	16.3	8	44.8	19.4	25	17	16	18.5	6	55.0	25
GPLL 1002	10	R1/4	16.3	11	47.8	19.4	25	17	16	18.5	8	59.4	25
GPLL 1003	10	R3/8	16.3	12	47.3	19.4	25	17	16	18.5	9	58.2	25
GPLL 1004	10	R1/2	16.3	15	50.3	19.4	25	21	16	18.5	9	94.4	20
GPLL 1201	12	R1/8	19.7	8	46.65	22.4	32.2	17	19.5	22.5	6	60.6	25
GPLL 1202	12	R1/4	19.7	11	49.65	22.4	32.2	17	19.5	22.5	8	65.0	25
GPLL 1203	12	R3/8	19.7	12	49.15	22.4	32.2	17	19.5	22.5	9.5	63.8	20
GPLL 1204	12	R1/2	19.7	15	52.15	22.4	32.2	21	19.5	22.5	9.5	100.0	20
GPLL 1403	14	R3/8	23.5	12	62.55	24.4	31.9	20	23	25	11	117.4	16
GPLL 1404	14	R1/2	23.5	15	65.05	24.4	31.9	21	23	25	12	128.4	16
GPLL 1604	16	R1/2	25.6	15	66.1	25	34	21	24	27	13	128.6	16

*Hexagonal wrench may be used for a proper tightening.

GPLL(L)

Extended Male Elbow



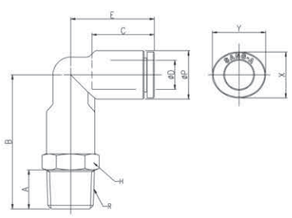
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	H	X	Y	Orifice (Ømm)	W.G(g)	Qty/ Inbox
GPLL 04M3(L)	4	M3	9	3	30.3	14.5	17.1	9	8.6	10.8	1.2	9.6	100
GPLL 04M5(L)	4	M5	9	4	30.3	14.5	17.1	9	8.6	10.8	2	9.6	100
GPLL 04M6(L)	4	M6	9	5	31.3	14.5	17.1	9	8.6	10.8	3	10.1	100
GPLL 0401(L)	4	R1/8	9	8	33.5	14.5	17.1	10	8.6	10.8	3.2	13.4	50
GPLL 0402(L)	4	R1/4	9	11	36.5	14.5	17.1	14	8.6	10.8	3.2	28.2	50
GPLL 0403(L)	4	R3/8	9	12	37.5	14.5	17.1	17	8.6	10.8	3.2	40.4	50
GPLL 06M5(L)	6	M5	11.2	4	31.9	15.5	18	9	11	13	2	10.6	50
GPLL 06M6(L)	6	M6	11.2	5	32.9	15.5	18	9	11	13	3	11.1	50
GPLL 0601(L)	6	R1/8	11.2	8	35.1	15.5	18	10	11	13	4	14.4	50
GPLL 0602(L)	6	R1/4	11.2	11	38.1	15.5	18	14	11	13	4	29.2	50
GPLL 0603(L)	6	R3/8	11.2	12	39.1	15.5	18	17	11	13	4	41.4	50
GPLL 0801(L)	8	R1/8	13.6	8	40.3	17.8	23.6	10	13	15	5.5	16.7	50
GPLL 0802(L)	8	R1/4	13.6	11	42.8	17.8	23.6	14	13	15	5.5	32.4	50
GPLL 0803(L)	8	R3/8	13.6	12	43.8	17.8	23.6	17	13	15	5.5	45.3	25
GPLL 0804(L)	8	R1/2	13.6	15	47.8	17.8	23.6	21	13	15	5.5	76.3	20
GPLL 1001(L)	10	R1/8	16.3	8	50.85	19.4	25	17	16	18.5	6	50.6	25
GPLL 1002(L)	10	R1/4	16.3	11	53.85	19.4	25	17	16	18.5	8	54.6	25
GPLL 1003(L)	10	R3/8	16.3	12	53.35	19.4	25	17	16	18.5	9	53.5	25
GPLL 1004(L)	10	R1/2	16.3	15	56.35	19.4	25	21	16	18.5	9	86.4	20
GPLL 1201(L)	12	R1/8	19.7	8	52.55	22.4	32.2	17	19.5	22.5	6	55.7	25
GPLL 1202(L)	12	R1/4	19.7	11	55.55	22.4	32.2	17	19.5	22.5	8	59.7	25
GPLL 1203(L)	12	R3/8	19.7	12	55.05	22.4	32.2	17	19.5	22.5	9.5	58.6	20
GPLL 1204(L)	12	R1/2	19.7	15	58.05	22.4	32.2	21	19.5	22.5	9.5	91.5	20

*Hexagonal wrench may be used for a proper tightening.

GPLLP

Union Straight

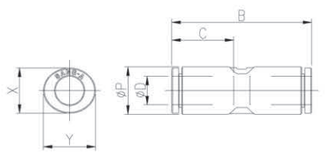


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	H	X	Y	Orifice (Ømm)	W.G(g)	Qty/ Inbox
GPLLP 04M5	4	M5	9	4	27.1	14.5	17.1	9	8.6	10.8	2	6.7	100
GPLLP 04M6	4	M6	9	5	28.1	14.5	17.1	9	8.6	10.8	3	7.1	100
GPLLP 0401	4	R1/8	9	8	30.3	14.5	17.1	10	8.6	10.8	3.2	9.1	50
GPLLP 0402	4	R1/4	9	11	33.3	14.5	17.1	14	8.6	10.8	3.2	17.2	50
GPLLP 0403	4	R3/8	9	12	34.3	14.5	17.1	17	8.6	10.8	3.2	24.7	50
GPLLP 06M5	6	M5	11.2	4	28.2	15.5	18	11	11	13	2	9.6	50
GPLLP 06M6	6	M6	11.2	5	29.2	15.5	18	11	11	13	3	10.0	50
GPLLP 0601	6	R1/8	11.2	8	31.4	15.5	18	11	11	13	5	11.7	50
GPLLP 0602	6	R1/4	11.2	11	34.4	15.5	18	14	11	13	5	18.9	50
GPLLP 0603	6	R3/8	11.2	12	35.4	15.5	18	17	11	13	5	26.9	50
GPLLP 0604	6	R1/2	11.2	15	39.4	15.5	18	21	11	13	5	45.7	25
GPLLP 0801	8	R1/8	13.6	8	35.3	17.8	23.6	13	13	15	6	16.5	50
GPLLP 0802	8	R1/4	13.6	11	37.8	17.8	23.6	14	13	15	7	20.7	50
GPLLP 0803	8	R3/8	13.6	12	38.8	17.8	23.6	17	13	15	7	28.2	25
GPLLP 0804	8	R1/2	13.6	15	42.8	17.8	23.6	21	13	15	7	47.3	25
GPLLP 1001	10	R1/8	16.3	8	44.8	19.4	25	17	16	18.5	6	23.2	25
GPLLP 1002	10	R1/4	16.3	11	47.8	19.4	25	17	16	18.5	8	27.4	25
GPLLP 1003	10	R3/8	16.3	12	47.3	19.4	25	17	16	18.5	9	32.5	25
GPLLP 1004	10	R1/2	16.3	15	50.3	19.4	25	21	16	18.5	9	49.7	20
GPLLP 1201	12	R1/8	19.7	8	46.7	22.4	32.2	19	19.5	22.5	6	35.6	25
GPLLP 1202	12	R1/4	19.7	11	49.7	22.4	32.2	19	19.5	22.5	8	39.9	25
GPLLP 1203	12	R3/8	19.7	12	49.2	22.4	32.2	19	19.5	22.5	10	45.1	20
GPLLP 1204	12	R1/2	19.7	15	52.2	22.4	32.2	21	19.5	22.5	10	59.1	20

GPUC

Union Straight

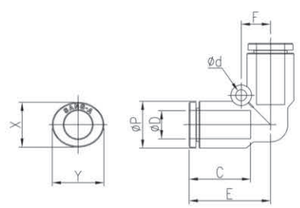


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØP	B	C	X	Y	Orifice (Ømm)	W.G(g)	Qty/ Inbox
GPUC 03	3	9	30.2	14.5	8.6	10.8	2.5	3.3	100
GPUC 04	4	9	30.2	14.5	8.6	10.8	3.2	3.1	100
GPUC 06	6	11.2	32	15.5	11	13	5	4.8	50
GPUC 08	8	13.6	40.2	17.8	13	15	7	8.8	50
GPUC 10	10	16.3	40	19.4	16	18.5	9	10.6	50
GPUC 12	12	19.7	54.8	22.4	19.5	22.5	10	20.9	25
GPUC 14	14	23.5	50.8	24.4	23	25	12	32.7	20
GPUC 16	16	25.6	52	25	24	27	14	32.8	20

GPUL

Union Elbow



MODEL[ØD-T] Tube(Metric)–Thread(R)

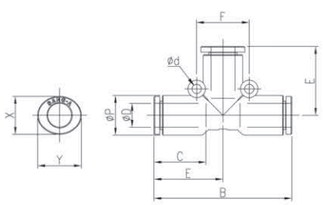
MODEL	ØD	ØP	B	C	F	Ød	X	Y	Orifice (Ømm)	W.G(g)	Qty/ Inbox
GPUL 03	3	9	17.1	14.5	6	3.2	8.6	10.8	2.5	3.5	100
GPUL 04	4	9	17.1	14.5	6	3.2	8.6	10.8	3.2	3.2	100
GPUL 06	6	11.2	19	15.5	6.7	3.2	11	13	5	4.9	50
GPUL 08	8	13.6	23.6	17.8	8.5	3.2	13	15	7	9.4	50
GPUL 10	10	16.3	25	19.4	10	4.2	16	18.5	9	11.8	25
GPUL 12	12	19.7	32.2	22.4	12	4.2	19.5	22.5	10	22.5	25
GPUL 14	14	23.5	31.9	24.4	13.5	4.2	23	25	12	36.7	20
GPUL 16	16	25.6	34	25	15	4.2	24	27	14	36.5	20

GPUT

Union Tee

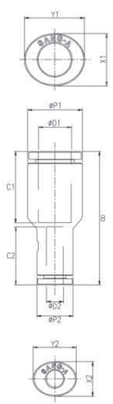
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØP	B	C	E	F	Ød	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPUT 03	3	9	34.2	14.5	17.1	12	3.2	8.6	10.8	2.5	5.3	100
GPUT 04	4	9	34.2	14.5	17.1	12	3.2	8.6	10.8	3.2	5.0	100
GPUT 06	6	11.2	38	15.5	19	13	3.2	11	13	5	7.3	50
GPUT 08	8	13.6	47.2	17.8	23.6	18	3.2	13	15	7	14.1	50
GPUT 10	10	16.3	50	19.4	25	24	4.2	16	18.5	9	17.7	25
GPUT 12	12	19.7	64.4	22.4	32.2	28	4.2	19.5	22.5	10	33.5	20
GPUT 14	14	23.5	63.8	24.4	31.9	27	4.2	23	25	12	57.3	12
GPUT 16	16	25.6	68	25	34	30	4.2	24	27	14	53.8	12



GPG

Reducer



MODEL[ØD-T] Tube(Metric)–Thread(R)

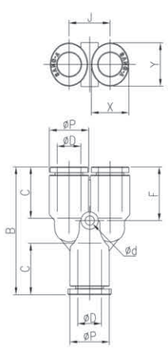
MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPG 0403	4	3	9	9	30.2	14.5	14.5	8.6	10.8	8.6	10.8	2.5	2.9	100
GPG 0604	6	4	11.2	9	31.5	15.5	14.5	11	13	8.6	10.8	3.2	3.8	100
GPG 0804	8	4	13.6	9	33.3	17.8	14.5	13	15	8.6	10.8	3.2	4.9	50
GPG 0806	8	6	13.6	11.2	34.3	17.8	15.5	13	15	11	13	5	5.8	50
GPG 1006	10	6	16.3	11.2	35.9	19.4	15.5	16	18.5	11	13	5	7.2	50
GPG 1008	10	8	16.3	13.6	38.2	19.4	17.8	16	18.5	13	15	7	8.4	50
GPG 1208	12	8	19.7	13.6	41.2	22.4	17.8	19.5	22.5	13	15	7	12.4	25
GPG 1210	12	10	19.7	16.3	42.8	22.4	19.4	19.5	22.5	16	18.5	9	14.0	25
GPG 1612	16	12	25.6	19.7	48.9	25	22.4	24	27	19.5	22.5	10	23.4	25

GPY

Union Y

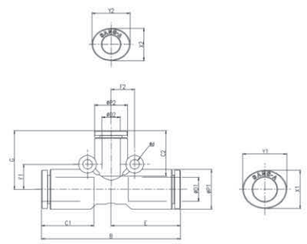
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØP	B	C	F	J	Ød	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPY 03	3	9	31.2	14.5	13.2	9.3	3.2	8.6	10.8	2.1	5.2	100
GPY 04	4	9	31.2	14.5	13.2	9.3	3.2	8.6	10.8	2.1	4.9	100
GPY 06	6	11.2	34.7	15.5	14.1	11.4	3.2	11	13	3.6	7.3	50
GPY 08	8	13.6	44.2	17.8	18.6	14.2	3.2	13	15	5.4	13.9	50
GPY 10	10	16.3	46	19.4	18	17	4.2	16	18.5	6.4	17.7	25
GPY 12	12	19.7	56.8	22.4	23.9	20	4.2	19.5	22.5	7.3	32.5	20
GPY 14	14	23.5	59.3	24.4	24.4	24	4.2	23	25	8.8	53.7	16
GPY 16	16	25.6	62	25	24	26	4.2	24	27	12	55.5	12



GPUG

Different Dia of Union Tee

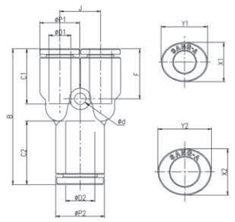


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F1	F2	G	Ød	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPUG 0604	6	4	11.2	9	37.9	15.5	14.5	19	6.5	6	18.1	3.2	11	13	8.6	11	3.2	6.2	50
GPUG 0804	8	4	13.6	11.2	47.2	17.8	14.5	23.6	8.5	8	19.6	3.2	13	15	8.6	11	3.2	12.1	50
GPUG 0806	8	6	13.6	11.2	47.2	17.8	15.5	23.6	8.5	8	20	3.2	13	15	11	13	5	10.0	50
GPUG 1006	10	6	16.3	13.6	50	19.4	15.5	25	10	9.5	23.5	4.2	16	19	11	13	5	18.3	25
GPUG 1008	10	8	16.3	13.6	50	19.4	17.8	25	10	9.5	24.1	4.2	16	19	13	15	7	14.7	25
GPUG 1208	12	8	19.7	16.3	64.4	22.4	17.8	32.2	12	10	25.1	4.2	19.5	23	13	15	7	30.1	25
GPUG 1210	12	10	19.7	16.3	64.4	22.4	19.4	32.2	12	10	25.5	4.2	19.5	23	16	19	9	25.6	20

GPW

Reducer Y

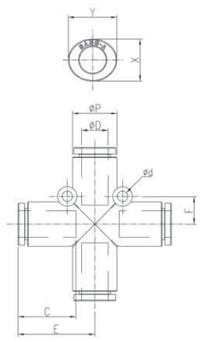


MODEL[ØD-T] Tube(Metric)−Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	Ød	F	J	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPW 0604	4	6	9	11.2	32.5	14.5	15.5	3.2	13.2	9.3	8.6	10.8	11	13	2.6	5.1	100
GPW 0804	4	8	11.2	13.6	37.7	14.5	17.8	3.2	13.7	11.4	8.6	10.8	13	15	2.6	12.3	50
GPW 0806	6	8	11.2	13.6	38.5	15.5	17.8	3.2	14.1	11.4	11	13	13	15	4.1	8.2	50
GPW 1006	6	10	13.6	16.3	42.6	15.5	19.4	3.2	17.2	14.2	11	13	16	18.5	4.1	19.8	25
GPW 1008	8	10	13.6	16.3	43.2	17.8	19.4	3.2	17.8	14.2	13	15	16	18.5	6.4	12.6	25
GPW 1208	8	12	16.3	19.7	50.5	17.8	22.4	4.2	17.6	17	13	15	19.5	22.5	6.4	29.4	25
GPW 1210	10	12	16.3	19.7	50.9	19.4	22.4	4.2	18	17	16	18.5	19.5	22.5	7.0	20.4	25

GPZA

Union Cross

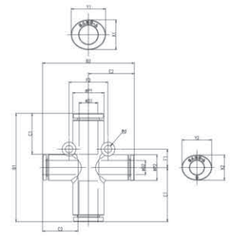


MODEL[ØD-T] Tube(Metric)−Thread(R)

MODEL	ØD	ØP	C	E	F	Ød	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPZA 04	4	9	14.5	17.1	6	3.2	8.6	10.8	3.2	5.9	50
GPZA 06	6	11.2	15.5	19	6.5	3.2	11	13	5	8.9	50
GPZA 08	8	13.6	17.8	23.6	8.5	3.2	13	15	7	14.8	25
GPZA 10	10	16.3	19.4	25	10	4.2	16	18.5	9	21.1	25
GPZA 12	12	19.7	22.4	32.2	12	4.2	19.5	22.5	10	38.8	15

GPZA22

Different Dia of Union Cross(2/2)

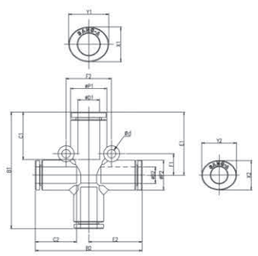


MODEL[ØD-T] Tube(Metric)−Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	C1	C2	B1	B2	E1	E2	F1	F2	Ød	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPZA22 0806	8	6	13.6	11.2	17.8	15.5	47.2	39.9	23.6	20	8	17	3.2	13	15	11	13	5	12.2	25
GPZA22 1008	10	8	16.3	13.6	19.4	17.8	50	48.2	25	24.1	9.5	20	4.2	16	18.5	13	15	7	18.0	25
GPZA22 1210	12	10	19.7	16.3	22.4	19.4	64.4	51	32.2	25.5	10	24	4.2	19.5	22.5	16	18.5	9	30.3	15

GPZA31

Different Dia of Union Cross(3/1)

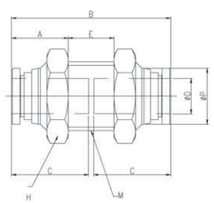


MODEL[ØD-T] Tube(Metric)−Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	C1	C2	B1	B2	E1	E2	F1	F2	Ød	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPZA31 0806	8	6	13.6	11.2	17.8	15.5	43.6	39.9	23.6	20	8	17	3.2	13	15	11	13	5	10.9	25
GPZA31 1008	10	8	16.3	13.6	19.4	17.8	49.1	48.2	25	24.1	9.5	20	4.2	16	18.5	13	15	7	16.5	25
GPZA31 1210	12	10	19.7	16.3	22.4	19.4	57.7	51	32.2	25.5	10	24	4.2	19.5	22.5	16	18.5	9	25.9	15

GPMM

Bukhead Union

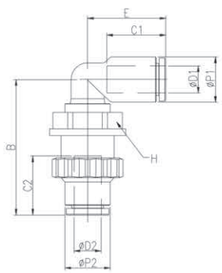


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØP	M	A	H	B	C	E	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPMM 04	4	8.8	M12 X 1.0P	10.7	14	30	14.5	8.6	3.2	18.6	100
GPMM 06	6	11	M14 X 1.0P	11.3	17	31.9	15.5	9.4	5	25.5	50
GPMM 08	8	13	M16 X 1.0P	13.2	19	37	17.8	10.6	7	35.5	50
GPMM 10	10	15.5	M20 X 1.0P	13.6	24	40.1	19.4	12.9	9	60.7	25
GPMM 12	12	18.8	M22 X 1.0P	15.3	26	45.8	22.4	15.4	10	78.3	25

GPLM

Bukhead Union P

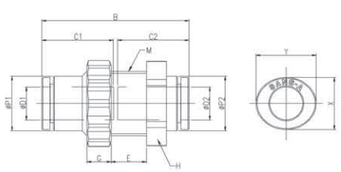


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	C1	C2	M	B	E	F	G	H	I	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLM 04	4	4	9	9	14.5	14.5	M12 X 1.5P	33.2	17.1	11.6	5	14	5.1	3.2	6.1	50
GPLM 06	6	6	11.2	11.2	15.5	15.5	M14 X 1.5P	35.3	18	13	5	17	6.6	4	9.5	50
GPLM 08	8	8	13.6	13.6	17.8	17.8	M16 X 1.5P	40.9	23.6	14	6	19	6.8	5.5	15.2	25
GPLM 10	10	10	16.3	16.3	19.4	19.4	M20 X 2.0P	45.6	25	16	6	24	8.15	9	21.9	20
GPLM 12	12	12	19.7	19.7	22.4	22.4	M24 X 2.0P	52.1	32.2	18	6	27	9.85	9.5	38.6	15

GPPM

Bukhead Union P

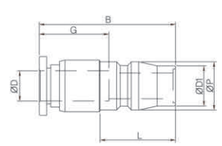


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	M	G	H	B	C1	C2	E	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPPM 04	4	4	9	9	M12 X 1.5P	5	14	30	14.5	14.5	7.1	3.2	6.2	100
GPPM 06	6	6	11.2	11.2	M14 X 1.5P	5	17	31.9	15.5	15.5	8.6	5	9.3	50
GPPM 08	8	8	13.6	13.6	M16 X 1.5P	6	19	36.6	17.8	17.8	8.8	7	13.2	50
GPPM 10	10	10	16.3	16.3	M20 X 2.0P	6	24	40	19.4	19.4	10.2	9	22.1	25
GPPM 12	12	12	19.7	19.7	M24 X 2.0P	6	27	46	22.4	22.4	11.9	10	28.2	20

GPCP

Straight Ace Coupler Plug

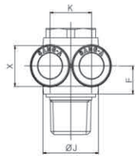


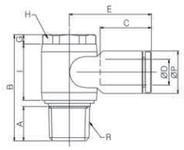
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØD1	ØP	B	L	C	W.G(g)	Q'ty/ Inbox
GPCP 04	4	10.9	13.1	31.6	20.5	14.5	19	100
GPCP 06	6	10.9	13.1	30.3	20.5	15.5	18	100
GPCP 08	8	10.9	13.1	35.2	20.5	17.8	19	100
GPCP 10	10	10.9	13.1	41.8	20.5	19.4	31	50
GPCP 12	12	10.9	13.1	45.8	20.5	22.4	43	50
GPCP 14	14	10.9	13.1	47.8	20.5	24.4	45	25
GPCP 16	16	10.9	13.1	48.5	20.5	25	54	25

GPA

Dual Male Banjo





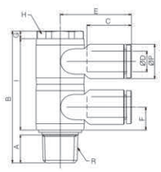
MODEL[ØD-T] Tube(Metric)–Thread(R)

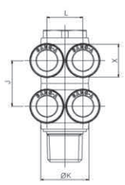
MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	ØJ	K	X	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPA 04M5	4	M5	9	3.5	17.8	14.5	18.6	6.6	2.5	8	11.8	10	9.3	8.6	2	7.4	50
GPA 0401	4	R1/8	9	8	26.5	14.5	20.6	7.3	2.5	13	14.5	14	9.3	8.6	3.2	17.6	50
GPA 0402	4	R1/4	9	11	34	14.5	22.6	9	3	17	18	19	9.3	8.6	3.2	32.8	50
GPA 0403	4	R3/8	9	12	39.8	14.5	24.6	10.5	4	21	21	22.4	9.3	8.6	3.2	54.1	25
GPA 0601	6	R1/8	11.2	8	26.5	15.5	22	7.3	2.5	13	14.5	14	11.4	11	5	19.2	50
GPA 0602	6	R1/4	11.2	11	34	15.5	23.5	9	3	17	18	19	11.4	11	5	34.3	50
GPA 0603	6	R3/8	11.2	12	39.8	15.5	25.7	10.5	4	21	21	22.4	11.4	11	5	55.7	25
GPA 0801	8	R1/8	13.6	8	26.5	17.8	25.6	8	2.5	13	14.5	14	14.2	13	5.2	22.0	25
GPA 0802	8	R1/4	13.6	11	34	17.8	28.1	9	3	17	18	19	14.2	13	6.8	37.1	25
GPA 0803	8	R3/8	13.6	12	39.8	17.8	29.8	10.5	4	21	21	22.4	14.2	13	7	57.3	25
GPA 0804	8	R1/2	13.6	15	44.8	17.8	32.1	11	5	24	22	27	14.2	13	7	92.4	20
GPA 1002	10	R1/4	16.3	11	34	19.4	27.5	9.7	3	17	18	19	17	16	7.3	38.4	20
GPA 1003	10	R3/8	16.3	12	39.8	19.4	29.6	10.5	4	21	21	22.4	17	16	9	61.3	20
GPA 1004	10	R1/2	16.3	15	44.8	19.4	31.5	11	5	24	22	27	17	16	9	95.3	10
GPA 1203	12	R3/8	19.7	12	39.8	22.4	32.4	11.9	4	21	21	22.4	20	19.5	8.7	69.6	10
GPA 1204	12	R1/2	19.7	15	44.8	22.4	34.9	11.9	5	24	22	27	20	19.5	10	103.7	10

*Rotating body construction after a proper installation.

GPA(D2)

Double Branch A





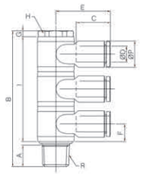
MODEL[ØD-T] Tube(Metric)–Thread(R)

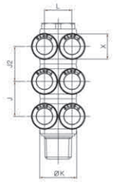
MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	J	ØK	L	X	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPA 04M5(2)	4	M5	9	3.5	29.6	14.5	18.6	6.6	2.5	8	23.6	11.8	10	9.3	8.6	2	13.1	25
GPA 0401(2)	4	R1/8	9	8	41	14.5	20.6	7.3	2.5	13	29	14.5	14	9.3	8.6	3.2	27.6	25
GPA 0402(2)	4	R1/4	9	11	52	14.5	22.6	9	3	17	36	18	19	9.3	8.6	3.2	49.7	25
GPA 0403(2)	4	R3/8	9	12	60.8	14.5	24.6	10.5	4	21	42	21	22.4	9.3	8.6	3.2	78.3	25
GPA 0601(2)	6	R1/8	11.2	8	41	15.5	22	7.3	2.5	13	29	14.5	14	11.4	11	5	30.9	25
GPA 0602(2)	6	R1/4	11.2	11	52	15.5	23.5	9	3	17	36	18	19	11.4	11	5	52.7	25
GPA 0603(2)	6	R3/8	11.2	12	60.8	15.5	25.7	10.5	4	21	42	21	22.4	11.4	11	5	81.4	25
GPA 0801(2)	8	R1/8	13.6	8	41	17.8	25.6	8	2.5	13	29	14.5	14	14.2	13	5.2	36.5	20
GPA 0802(2)	8	R1/4	13.6	11	52	17.8	28.1	9	3	17	36	18	19	14.2	13	6.8	58.3	20
GPA 0803(2)	8	R3/8	13.6	12	60.8	17.8	29.8	10.5	4	21	42	21	22.4	14.2	13	7	84.8	20
GPA 0804(2)	8	R1/2	13.6	15	66.8	17.8	32.1	11	5	24	44	22	27	14.2	13	7	131.7	20
GPA 1002(2)	10	R1/4	16.3	11	52	19.4	27.5	9.7	3	17	36	18	19	17	16	7.3	60.8	12
GPA 1003(2)	10	R3/8	16.3	12	60.8	19.4	29.6	10.5	4	21	42	21	22.4	17	16	9	92.7	12
GPA 1004(2)	10	R1/2	16.3	15	66.8	19.4	31.5	11	5	24	44	22	27	17	16	9	137.5	12
GPA 1203(2)	12	R3/8	19.7	12	60.8	22.4	32.4	11.9	4	21	42	21	22.4	20	19.5	8.7	109.2	6
GPA 1204(2)	12	R1/2	19.7	15	66.8	22.4	34.9	11.9	5	24	44	22	27	20	19.5	10	154.3	6

*Rotating body construction after a proper installation.

GPA(D3)

Triple Branch A





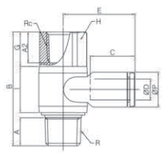
MODEL[ØD-T] Tube(Metric)–Thread(R)

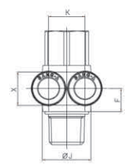
MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	J	J2	ØK	L	X	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPA 04M5(3)	4	M5	9	3.5	41.4	14.5	18.6	6.6	2.5	8	35.4	11.8	11.8	10	9.3	8.6	2	18.7	25
GPA 0401(3)	4	R1/8	9	8	55.5	14.5	20.6	7.3	2.5	13	43.5	14.5	14.5	14	9.3	8.6	3.2	37.7	25
GPA 0402(3)	4	R1/4	9	11	70	14.5	22.6	9	3	17	54	18	18	19	9.3	8.6	3.2	65.6	25
GPA 0403(3)	4	R3/8	9	12	81.8	14.5	24.6	10.5	4	21	63	21	21	22.4	9.3	8.6	3.2	102.6	25
GPA 0601(3)	6	R1/8	11.2	8	55.5	15.5	22	7.3	2.5	13	43.5	14.5	14.5	14	11.4	11	5	42.8	20
GPA 0602(3)	6	R1/4	11.2	11	70	15.5	23.5	9	3	17	54	18	18	19	11.4	11	5	70.2	20
GPA 0603(3)	6	R3/8	11.2	12	81.8	15.5	25.7	10.5	4	21	63	21	21	22.4	11.4	11	5	107.3	20
GPA 0801(3)	8	R1/8	13.6	8	55.5	17.8	25.6	8	2.5	13	43.5	14.5	14.5	14	14.2	13	5.2	51.0	16
GPA 0802(3)	8	R1/4	13.6	11	70	17.8	28.1	9	3	17	54	18	18	19	14.2	13	6.8	78.5	16
GPA 0803(3)	8	R3/8	13.6	12	81.8	17.8	29.8	10.5	4	21	63	21	21	22.4	14.2	13	7	112.3	12
GPA 0804(3)	8	R1/2	13.6	15	88.8	17.8	32.1	11	5	24	66	22	22	27	14.2	13	7	170.9	12
GPA 1002(3)	10	R1/4	16.3	11	70	19.4	27.5	9.7	3	17	54	18	18	19	17	16	7.3	82.3	9
GPA 1003(3)	10	R3/8	16.3	12	81.8	19.4	29.6	10.5	4	21	63	21	21	22.4	17	16	9	134.6	9
GPA 1004(3)	10	R1/2	16.3	15	88.8	19.4	31.5	11	5	24	66	22	22	27	17	16	9	190.4	9
GPA 1203(3)	12	R3/8	19.7	12	81.8	22.4	32.4	11.9	4	21	63	21	21	22.4	20	19.5	8.7	149.0	6
GPA 1204(3)	12	R1/2	19.7	15	88.8	22.4	34.9	11.9	5	24	66	22	22	27	20	19.5	10	204.8	6

*Rotating body construction after a proper installation.

GPAF

Dual Female Banjo





MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	Rc	ØP	A1	A2	B	C	E	F	G	H	I	ØJ	K	X	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPAF 04M5	4	M5	M5	9	3.5	5	20.8	14.5	18.6	6.6	5.5	8	11.8	10	9.3	8.6	2	8.2	50
GPAF 0401	4	R1/8	R1/8	9	8	9	34.5	14.5	20.6	7.3	10.5	13	14.5	14	9.3	8.6	3.2	22.6	50
GPAF 0402	4	R1/4	R1/4	9	11	12	44.5	14.5	22.6	9	13.5	17	18	19	9.3	8.6	3.2	43.4	50
GPAF 0403	4	R3/8	R3/8	9	12	13	50.8	14.5	24.6	10.5	15	21	21	22.4	9.3	8.6	3.2	68.3	25
GPAF 0601	6	R1/8	R1/8	11.2	8	9	34.5	15.5	22	7.3	10.5	13	14.5	14	11.4	11	5	24.3	50
GPAF 0602	6	R1/4	R1/4	11.2	11	12	44.5	15.5	23.5	9	13.5	17	18	19	11.4	11	5	44.9	50
GPAF 0603	6	R3/8	R3/8	11.2	12	13	50.8	15.5	25.7	10.5	15	21	21	22.4	11.4	11	5	69.9	25
GPAF 0801	8	R1/8	R1/8	13.6	8	9	34.5	17.8	25.6	8	10.5	13	14.5	14	14.2	13	5.2	27.1	25
GPAF 0802	8	R1/4	R1/4	13.6	11	12	44.5	17.8	28.1	9	13.5	17	18	19	14.2	13	6.8	47.7	25
GPAF 0803	8	R3/8	R3/8	13.6	12	13	50.8	17.8	29.8	10.5	15	21	21	22.4	14.2	13	7	71.5	25
GPAF 0804	8	R1/2	R1/2	13.6	15	16	58.8	17.8	32.1	11	19	24	22	27	14.2	13	7	109.6	20
GPAF 1002	10	R1/4	R1/4	16.3	11	12	44.5	19.4	27.5	9.7	13.5	17	18	19	17	16	7.3	49.0	15
GPAF 1003	10	R3/8	R3/8	16.3	12	13	50.8	19.4	29.6	10.5	15	21	21	22.4	17	16	9	75.5	15
GPAF 1004	10	R1/2	R1/2	16.3	15	16	58.8	19.4	31.5	11	19	24	22	27	17	16	9	112.5	15
GPAF 1203	12	R3/8	R3/8	19.7	12	13	50.8	22.4	32.4	11.9	15	21	21	22.4	20	19.5	8.7	83.8	10
GPAF 1204	12	R1/2	R1/2	19.7	15	16	58.8	22.4	34.9	11.9	19	24	22	27	20	19.5	10	120.9	10

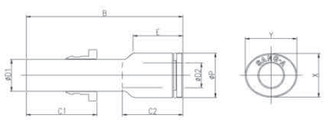
*Rotating body construction after a proper installation.

GPGJ

Plug-in Reducer

MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPGJ 0604	6	4	9	36.1	15.5	14.5	11.3	8.6	11	3.2	1.8	100
GPGJ 0804	8	4	9	36.9	17.8	14.5	11.3	8.6	11	3.2	2.1	100
GPGJ 0806	8	6	11.2	39.5	17.8	15.5	12.6	11	13	5	2.9	50
GPGJ 1006	10	6	11.2	40.3	19.4	15.5	12.6	11	13	5	3.2	50
GPGJ 1008	10	8	13.6	45.6	19.4	17.8	16.6	13	15	7	4.6	50
GPGJ 1206	12	6	11.2	45	22.4	15.5	16.3	11	13	5	4.3	25
GPGJ 1208	12	8	13.6	46.6	22.4	17.8	16.6	13	15	7	5.4	25
GPGJ 1210	12	10	16.3	46.6	22.4	19.4	15	16	19	9	6.7	25

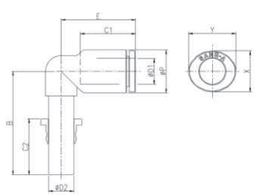


GPLJ

Plug-in Elbow

MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLJ 03	3	3	9	23.5	14.5	14.5	17.1	8.6	10.8	1.5	1.8	100
GPLJ 04	4	4	9	23.5	14.5	14.5	17.1	8.6	10.8	2.5	1.8	100
GPLJ 06	6	6	11.2	29.6	15.5	15.5	18	8.6	13	4	3.0	50
GPLJ 08	8	8	13.6	32.8	17.8	17.8	23.6	13	15	6	4.9	50
GPLJ 10	10	10	16.3	36.2	19.4	19.4	25	16	18.5	8	7.3	25
GPLJ 12	12	12	19.7	39.9	22.4	22.4	32.2	19.5	22.5	9	13.5	25
GPLJ 14	14	14	23.5	42.8	24.4	24.4	31.9	23	25	11	21.4	20
GPLJ 16	16	16	25.6	44.8	25	25	34	24	27	13	21.8	15

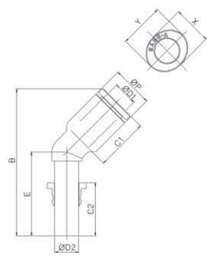


GPLJ45

Plug-in Extended Elbow

MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLJ45 04	4	4	9	35	14.5	14.5	20	8.6	10.8	2	1.7	100
GPLJ45 06	6	6	11.2	41.9	15.5	15.5	26	11	13	4	2.8	50
GPLJ45 08	8	8	13.6	49.1	17.8	17.8	28	13	15	6	4.6	50
GPLJ45 10	10	10	16.3	53.6	19.4	19.4	30.5	16	18.5	8	6.7	25
GPLJ45 12	12	12	19.7	62.3	22.4	22.4	33	19.5	22.5	9	12.5	25

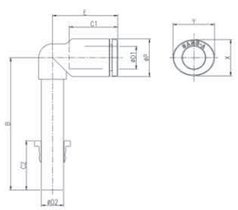


GPLLJ

Plug-in Extended Elbow

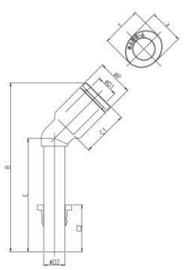
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLLJ 04	4	4	9	33.5	14.5	14.5	17.1	8.6	10.8	2.5	1.9	100
GPLLJ 06	6	6	11.2	42.1	15.5	15.5	18	11	13	4	3.3	50
GPLLJ 08	8	8	13.6	47.8	17.8	17.8	23.6	13	15	6	5.1	50
GPLLJ 10	10	10	16.3	53.7	19.4	19.4	25	16	18.5	8	7.5	25
GPLLJ 12	12	12	19.7	60.9	22.4	22.4	32.2	19.5	22.5	9	15.1	25
GPLLJ 14	14	14	23.5	67.3	24.4	24.4	31.9	23	25	11	23.4	20
GPLLJ 16	16	16	25.6	71.3	25	25	34	24	27	13	24.5	20



GPLLJ45

Plug-in Reducer Elbow

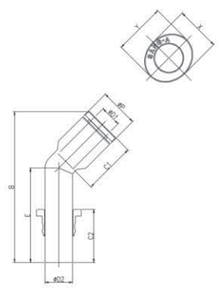


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLLJ45 04	4	4	9	45	14.5	14.5	30	8.6	10.8	2	1.9	100
GPLLJ45 06	6	6	11.2	54.4	15.5	15.5	38	11	13	4	3.1	50
GPLLJ45 08	8	8	13.6	64.1	17.8	17.8	43	13	15	6	5.1	50
GPLLJ45 10	10	10	16.3	71.1	19.4	19.4	48	16	18.5	8	7.4	25
GPLLJ45 12	12	12	19.7	83.3	22.4	22.4	54	19.5	22.5	9	13.9	25

GPLGJ45

Plug-in Reducer Elbow

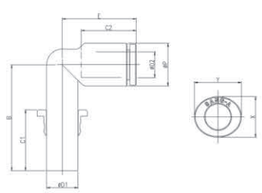


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLGJ45 0604	4	6	9	40	14.5	15.5	25	8.6	10.8	3.2	2.0	100
GPLGJ45 0806	6	8	11.2	43.9	15.5	17.8	27.5	11	13	4	3.1	50
GPLGJ45 1008	8	10	13.6	51.1	17.8	19.4	30	13	15	6	4.9	25
GPLGJ45 1210	10	12	16.3	55.6	19.4	22.4	32.5	16	18.5	8	8.2	25

GPLGJ

Plug-in Reducer Elbow

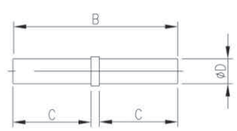


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	E	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPLGJ 0604	6	4	9	28.5	15.5	14.5	17.1	8.6	10.8	3.2	2.1	50
GPLGJ 0806	8	6	11.2	30.6	17.8	15.5	18	11	13	5	3.2	50
GPLGJ 1008	10	8	13.6	33.8	19.4	17.8	23.6	13	15	7	5.4	50
GPLGJ 1210	12	10	16.3	38.2	22.4	19.4	25	16	18.5	9	8.1	25

PIJ

Tube Splicer

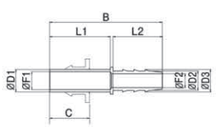


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	B	C	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
PIJ 04	4	37.5	17.75	2	0.5	100
PIJ 06	6	39.5	18.75	4	0.9	100
PIJ 08	8	43.2	20.6	5	1.7	50
PIJ 10	10	47	22.5	6.5	3	50
PIJ 12	12	52.8	25.4	8	4.4	50
PIJ 16	16	60	29	13	8.5	50

PJH

Plug-In Extended Elbow

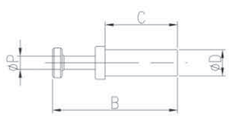


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	B	C	ØD1	ØD2	ØD3	ØF1	ØF2	L1	L2	W.G(g)	Q'ty/ Inbox
PJH 04-04	36	16	4	4.8	5.9	2	2	18	17	0.9	100
PJH 04-05	36	16	4	6	6.9	2	4.2	18	17	0.8	100
PJH 06-05	41	17	6	5.9	6.9	4	4	23	17	1.1	100
PJH 06-06	41	17	6	6.8	7.9	4	4	23	17	1.4	100
PJH 08-06	43	18.5	8	6.8	7.9	6	4	25	17	1.7	100
PJH 08-08	48.2	18.5	8	8.6	10	6	6	25	22	2.3	100
PJH 10-08	50.2	21	10	8.6	10	8	6.2	27	22	2.7	100
PJH 12-08	54.2	22.5	12	8.6	10	10	6.2	31	22	2.8	100
PJH 12-10	54.7	22.5	12	10.6	12	10	8	31	22.5	3.1	50
PJH 12-13	55	22.5	12	13.5	15	10	10	31	22.5	5	50
PJH 14-14	59.5	24.5	14	14.7	16	12	10	35.5	22.5	5.8	50
PJH 04-1/8	36	16	4	3.8	5	2	2	17	17	0.5	100
PJH 08-1/4	43	18.5	8	7.3	8.5	6	4.6	24	17	1.7	100
PJH 10-1/4	45.2	21	10	7.3	8.5	8	4.6	26	17	2.3	100
PJH 12-1/2	55	22.5	12	13.2	14.5	10	10	30	22.5	4.7	50
PJH 14-1/2	59.5	24.5	14	13.2	14.5	12	10	34.5	22.5	4.8	50

PP

Plug

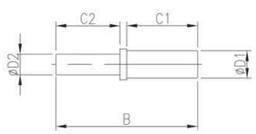


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	B	ØP	C	W.G(g)	Q'ty/ Inbox
PP 04	4	30	2	19	0.4	100
PP 06	6	34	3	20	0.7	100
PP 08	8	38	4	22	1.4	100
PP 10	10	41	5	25	2	50
PP 12	12	43	7	27	3.6	50
PP 16	16	47	9	31	4	25

PIG

Reducer Tube Splicer

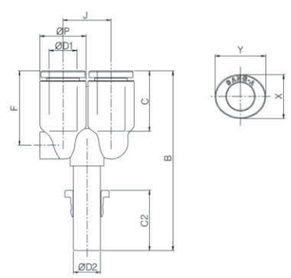


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	B	C1	C2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
PIG 06-04	6	4	37.5	18.6	17.7	2	0.7	100
PIG 08-04	6	4	44	22	19	2	0.9	100
PIG 08-06	8	6	41.2	20.6	18.6	4	1.5	100
PIG 10-06	10	6	48	25	20	4	1.6	100
PIG 10-08	10	8	45	22.6	20.4	5	2.8	100
PIG 12-08	12	8	52	27	22	5	2.6	50
PIG 12-10	12	10	49.8	25.4	22.4	5.5	4.9	50
PIG 16-12	16	12	54	27	25	9	8.2	50

GPYJ

Plug-in Y

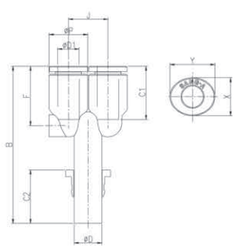


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	F	J	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPYJ 04	4	4	9	37.8	14.5	14.5	16	9.3	8.6	10.8	2	3.4	100
GPYJ 06	6	6	11.2	45	15.5	15.5	17.2	11.4	11	13	3.5	5.4	50
GPYJ 08	8	8	13.6	53.1	17.8	17.8	22	14.2	13	15	4.4	9.2	50
GPYJ 10	10	10	16.3	56	19.4	19.4	22.6	17	16	18.5	5.6	13.5	25
GPYJ 12	12	12	19.7	63.4	22.4	22.4	27.2	20	19.5	22.5	6.4	24.0	20

GPWJ

Plug-in Reducer Y

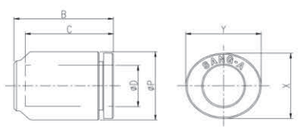


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	B	C1	C2	F	J	X	Y	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPWJ 0604	6	4	9	42.8	14.5	14.5	16	9.3	8.6	10.8	2	3.7	50
GPWJ 0806	8	6	11.2	45.5	15.5	15.5	17.2	11.4	11	13	3.5	5.8	50
GPWJ 1008	10	8	13.6	53.1	17.8	17.8	22	14.2	13	15	4.4	9.3	50
GPWJ 1210	12	10	16.3	58	19.4	19.4	22.6	17	16	18.5	5.6	14.4	25

GPPF

Cap

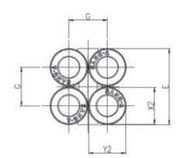


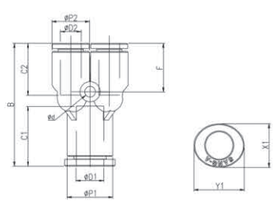
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØP	B	C	X	Y	W.G(g)	Q'ty/ Inbox
GPPF 04	4	9	15.6	14.5	8.6	10.8	1.4	100
GPPF 06	6	11.2	17	15.5	11	13	2.2	100
GPPF 08	8	13.6	19.8	17.8	13	15	3.6	100
GPPF 10	10	16.3	21	19.4	16	18.5	5.1	50
GPPF 12	12	19.7	25.4	22.4	19.5	22.5	9.3	50

GPXG

Reducer Double Y Union



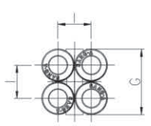


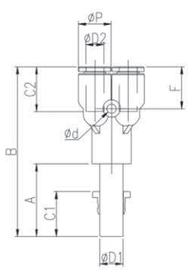
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	E	F	G	Ød	X1	Y1	X2	Y2	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPXG 0604	6	4	11.2	9	32.5	15.5	14.5	18.2	13.1	9.2	3.2	11	13	8.6	8.6	2.3	7.8	25
GPXG 0806	8	6	13.6	11.2	36.6	17.8	15.5	22.6	14.5	11.5	3.2	13	15	11	11	3.7	14.0	25

GPXJ

Reducer Double Y



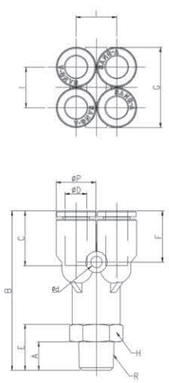


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP	A	B	C1	C2	F	G	I	Ød	Orifice (Ømm)	W.G(g)	Q'ty/ Inbox
GPXJ 0604	6	4	9	23	53	15.5	14.5	13.1	18.2	9.2	3.2	2.3	8.2	25
GPXJ 0806	8	6	11.2	25	58.5	17.8	15.5	14.5	22.6	11.5	3.2	3.7	13.2	25

GPXT

Male Double Y



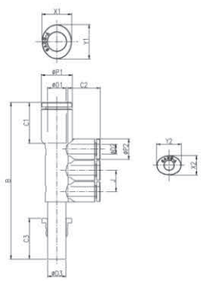
MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	R	ØP	A	B	C	E	F	G	H	I	Ød	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPXT 0401	4	R1/8	9	8	41.5	14.5	13	13.1	18.2	11	9.2	3.2	2.3	14.2	25
GPXT 0402	4	R1/4	9	11	44.5	14.5	16	13.1	18.2	14	9.2	3.2	2.3	22.3	25
GPXT 0601	6	R1/8	11.2	8	45	15.5	13	14.5	22.6	13	11.5	3.2	3.7	20.4	25
GPXT 0602	6	R1/4	11.2	11	47.5	15.5	15.5	14.5	22.6	14	11.5	3.2	3.7	27.6	25

*Rotating body construction after a proper installation.

GPKJ

Plug-In Reducer Triple Branch

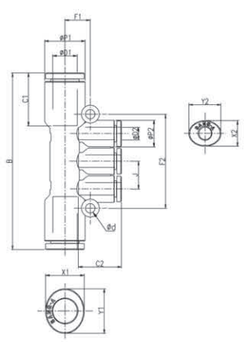


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØD3	ØP1	ØP2	B	C1	C2	C3	J	X1	Y1	X2	Y2	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPKJ 0604	6	4	6	11.2	9	64.2	15.5	14.5	15.5	9.3	11	13	8.6	10.8	3.2	7.7	25
GPKJ 0804	8	4	8	13.6	9	68.5	17.8	14.5	17.8	9.3	13	15	8.6	10.8	3.2	9.6	25
GPKJ 0806	8	6	8	13.6	11.2	75	17.8	15.5	17.8	11.4	13	15	11	13	5	12.2	25
GPKJ 1006	10	6	10	16.3	11.2	78.4	19.4	15.5	19.4	11.4	16	18.5	11	13	5	14.8	25
GPKJ 1008	10	8	10	16.3	13.6	86.2	19.4	17.8	19.4	14.2	16	18.5	13	15	7	19.4	20

GPKG

Reducer Triple Branch Union

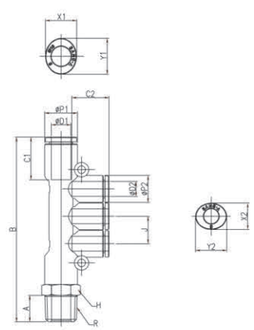


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	ØP1	ØP2	B	C1	C2	Ød	F1	F2	J	X1	Y1	X2	Y2	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPKG 0604	6	4	11.2	9	54.7	15.5	14.5	3.2	6.5	30.6	9.3	11	13	8.6	10.8	3.2	7.9	25
GPKG 0804	8	4	13.6	9	59.4	17.8	14.5	3.2	8.5	31.6	9.3	13	15	8.6	10.8	3.2	10.3	25
GPKG 0806	8	6	13.6	11.2	66	17.8	15.5	3.2	8.5	38.8	11.4	13	15	11	13	5	13.0	25
GPKG 1006	10	6	16.3	11.2	68.8	19.4	15.5	4.2	10	38.8	11.4	16	19	11	13	5	15.8	25
GPKG 1008	10	8	16.3	13.6	76.4	19.4	17.8	4.2	10	47.4	14.2	16	19	13	15	7	20.4	20

GPKD

Male Reducer Triple Branch

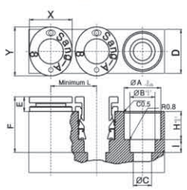


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD1	ØD2	R	ØP1	ØP2	B	C1	C2	A	H	J	X1	Y1	X2	Y2	Orifice (Ø mm)	W.G(g)	Q'ty/ Inbox
GPKD 0604-01	6	4	R1/8	11.2	9	63.8	15.5	14.5	8	11	9.3	11	13	8.6	10.8	3.2	16.6	25
GPKD 0604-02	6	4	R1/4	11.2	9	66.8	15.5	14.5	11	14	9.3	11	13	8.6	10.8	3.2	23.8	25
GPKD 0804-02	8	4	R1/4	13.6	9	70.3	17.8	14.5	11	14	9.3	13	15	8.6	10.8	3.2	25.8	25
GPKD 0806-02	8	6	R1/4	13.6	11.2	76.9	17.8	15.5	11	14	11.4	13	15	11	13	5	28.5	25
GPKD 0806-03	8	6	R3/8	13.6	11.2	77.9	17.8	15.5	12	17	11.4	13	15	11	13	5	36.0	25
GPKD 1008-03	10	8	R3/8	16.3	13.6	88.4	19.4	17.8	12	17	14.2	16	18.5	13	15	7	44.9	20

CAS

Insert-Tube

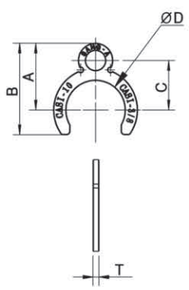


MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	ØA	ØB	ØC	D	E	F	H	I	L	X	Y	W.G(g)	Q'ty/ inbox
CAS-N04	4	8.1	4.2	2.5	11	4.7	16	7.8	3.5	11	10	12	1.8	100
CAS-N06	6	10	6.2	4	13	5	17.2	8.2	4	13	12	14	2.2	100
CAS-N08	8	12	8.2	6	15	4.8	18.2	9.2	4.5	15	14	16	2.9	100
CAS-N10	10	15.1	10.2	8	18	5.8	21	10.2	5	18	17	19	3.5	100
CAS-N12	12	17.7	12.2	10	22	5.2	22.4	12.2	5	22	21	23	4	100

CASI

Insert-Tube Clip



MODEL[ØD-T] Tube(Metric)–Thread(R)

MODEL	ØD	A	B	C	T	Q'ty/ inbox
CASI 04	5.2	9	11.3	6	0.8	100
CASI 06	7.9	10	13.5	7	1	100
CASI 08	9.7	11	15.3	8	1	100
CASI 10	11.9	13.5	18.5	10	1.2	100
CASI 12	14.8	14.3	20.5	11	1.6	100