

# ONE-TOUCH FITTINGS

### 용도

- 공기압 배관에 사용하는 원터치식 관 연결구입니다.
- 사용자의 환경에 따라서 다양하게 사용할 수 있습니다.

### 특징

- 튜브를 한동작으로 쉽게 접속할 수 있습니다.
- PC Type은 내측에 육각렌치의 가공으로 협소한 장소의 배관시에 효율적입니다.
- 본체가 회전하는 구조이어서 튜브의 배관이 효율적입니다. (PL과 PT형식)
- 타원형 슬리브는 협소한 공간에서 튜브를 쉽게 분리할 수 있습니다.
- 나사부에는 가스켓, 오링 및 테프론 처리가 되어 있습니다.

### 사 양

|        |                                |                                     |
|--------|--------------------------------|-------------------------------------|
| 사용유체   | Air(No other gases or liquids) |                                     |
| 사용압력   | 0~284PSI                       | 0~20Kgf/cm <sup>2</sup> (0~1960kPa) |
| 부 압    | -29.5 in Hg                    | -750mmHg(10Torr)                    |
| 사용온도범위 | 32~176°F                       | 0~80°C                              |
| 사용호스종류 | Polyurethane and Nylon         |                                     |



### 주문형식

GPC 08 - 02

①

②

③

GPC 08 - 02 GR

①

②

③

④

① 형식

② 호스의 규격(ØD)

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

③ 나사의 크기 \*Metric Thread & R(PT) Thread

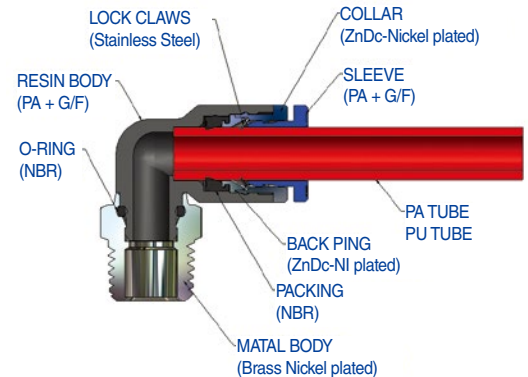
|      |             |        |                   |      |      |      |
|------|-------------|--------|-------------------|------|------|------|
|      | Metric size |        | Taper Pipe Thread |      |      |      |
| Code | M5          | M6     | 01                | 02   | 03   | 04   |
| Size |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

④ 색상 (회색 피팅 생산가능)

|       |       |      |
|-------|-------|------|
|       | BK    | GR   |
| Color | Black | Gray |



### 구조도



### 사용예

#### ▶ POC 모델

- 본체 내부에 육각구멍이 가공되어 있어서 육각렌치로써 취부를 할 수 있습니다.
- POC 제품은 본체외부가 원형으로 되어 있어서 타공구로써는 체결할 수 없습니다.

#### ▶ PL 모델

- 플라스틱 본체가 회전되는 구조이어서 튜브의 배관이 효율적입니다. (PL과 PT형식)

#### ▶ 타원형 Sleeve

- 협소한 공간에서도 튜브의 착탈이 편리하도록 타원형 슬리브로 되어있습니다.

### ⚠ 주의

- 사용하기전 본 책자내의 공통주의사항 및 피팅시리즈의 사용상 주의사항(Page14)을 반드시 읽어 주십시오.
- 피팅에 튜브를 장착 시에는 내부 끝까지 밀어넣어 주십시오. 장착이 잘못될 경우에는 에어누설 및 튜브의 빠짐 현상이 발생될 수 있습니다.

### ⚠ 경고

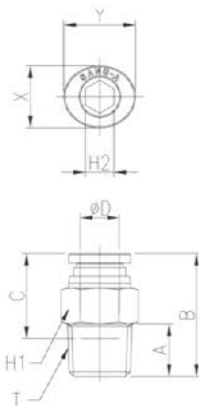
- 사용유체가 물일 때에는 사양에 명시된 조건과 합당한지 확인 후 사용하십시오.
- 회팅의 몸체 파손, 에어의 누설 및 튜브의 빠짐 현상이 있을 수 있습니다.

# GPC

Male Straight

 $\varnothing D$ 


R



MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL    | ØD | R    | A  | B    | C    | H1 | H2  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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.

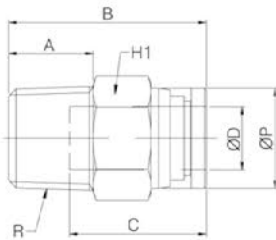
GMPC

Male Straight  
(슬리브 원형)

ØD

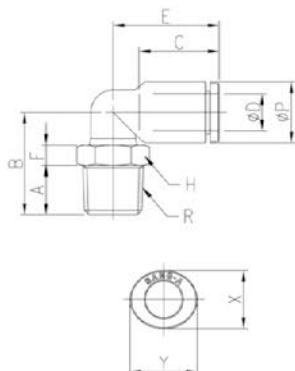


R



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

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

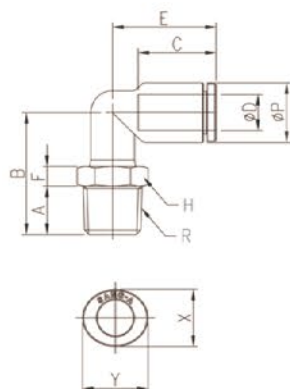
**GPL**  
Male Elbow

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL    | ØD | R    | ØP   | A  | B    | C    | E    | F    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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  | 14.6 | 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.

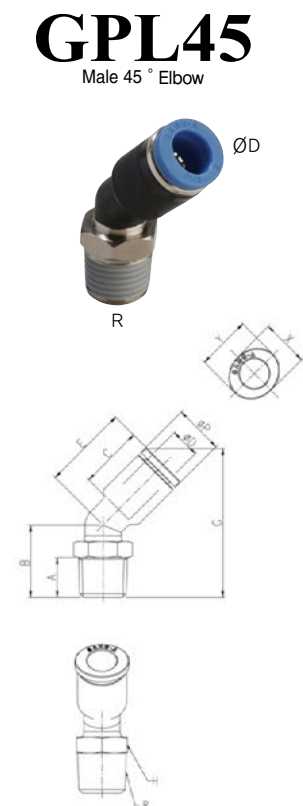
**GPL(L)**  
Male Elbow

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL       | ØD | R    | ØP   | A  | B    | C    | E    | F   | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

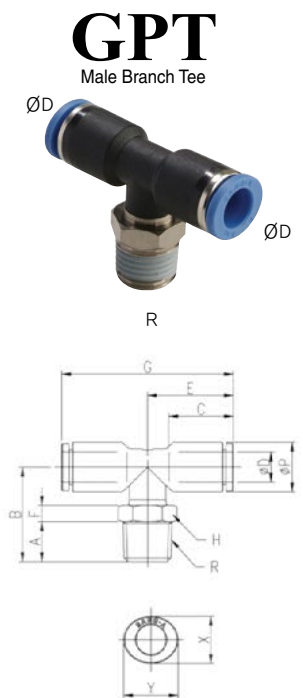
\*Rotating body construction after a proper installation.



MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL      | ØD | R    | ØP   | A  | B    | C    | E    | F  | H    | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |



MODEL [ØD-T] Tube(Metric)–Thread(R)

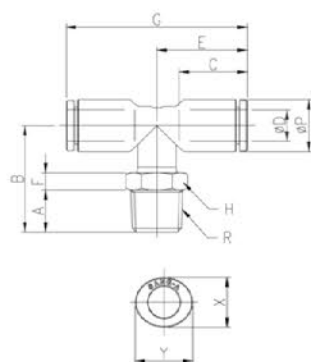
(mm)

| MODEL    | ØD | R    | ØP   | A  | B     | C    | E    | F    | G    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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     | 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)

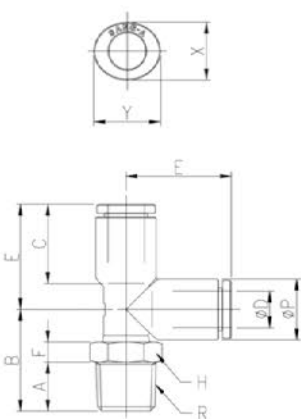
(mm)

| MODEL       | ØD | R    | ØP   | A  | B    | C    | E    | F   | G    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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)

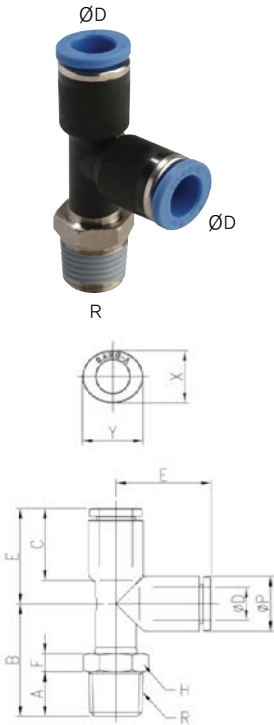
(mm)

| MODEL     | ØD | R    | ØP   | A  | B    | C    | E    | F    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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)

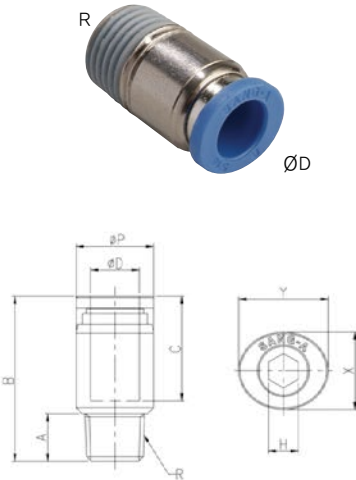
(mm)

| MODEL        | ØD | R    | ØP   | A  | B    | C    | E    | F   | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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)

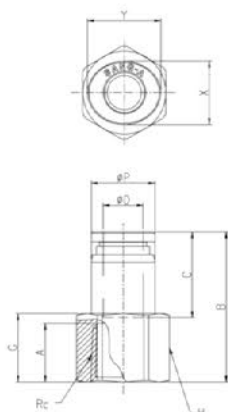
(mm)

| MODEL     | ØD | R    | ØP   | A  | B    | C    | H   | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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   | 8.2  | 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



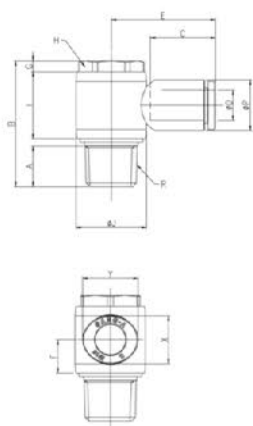
MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL     | ØD | Rc    | ØP   | G  | A   | B    | C    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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 | Rc1/4 | 18.8 | 12 | 12  | 35.4 | 22.4 | 19 | 19.5 | 22.5 | 10               | 45.3   | 25             |
| GPCF 1203 | 12 | Rc3/8 | 18.8 | 15 | 13  | 36.4 | 22.4 | 19 | 19.5 | 22.5 | 10               | 39.4   | 25             |
| GPCF 1204 | 12 | Rc1/2 | 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)

(mm)

| MODEL    | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | ØJ   | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

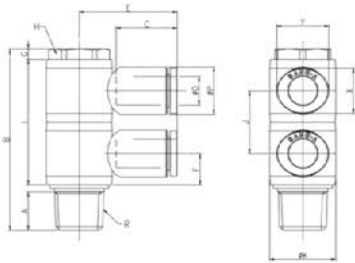
\*Rotating body construction after a proper installation.

## GPH(D2)

Double Universal Elbow

R

ØD



MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL       | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | J    | ØK   | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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  | 60.5 | 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              |

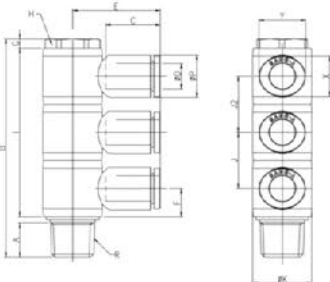
\*Rotating body construction after a proper installation.

## GPH(D3)

Triple Universal Elbow

R

ØD



MODEL [ØD-T] Tube(Metric)–Thread(R)

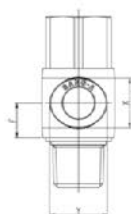
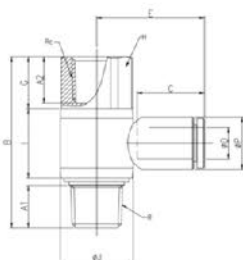
(mm)

| MODEL       | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | J    | J2   | ØK   | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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              | 34.5   | 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  | 71   | 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)

(mm)

| MODEL     | ØD | R    | Rc   | ØP   | A1  | A2 | B    | C    | E    | F    | G    | H  | I    | ØJ   | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Qty/<br>Inbox |
|-----------|----|------|------|------|-----|----|------|------|------|------|------|----|------|------|------|------|------------------|--------|---------------|
| GPHF 03M5 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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            |

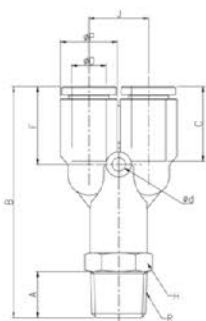
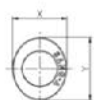
\*Rotating body construction after a proper installation.

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

**GPWT**

Male Y

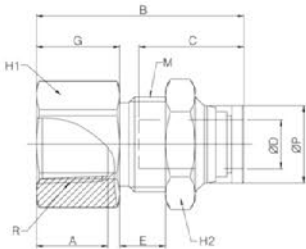


| MODEL     | ØD | R    | ØP   | A  | B    | C    | Ød  | J    | F    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Qty/<br>Inbox |
|-----------|----|------|------|----|------|------|-----|------|------|----|------|------|------------------|--------|---------------|
| GPWT 04M5 | 4  | M5   | 9    | 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.

GPMF

Bulkhead Female Straight

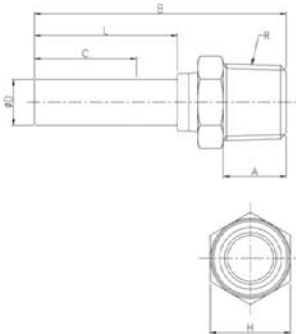


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD | Rc    | ØP   | M        | G  | A  | B    | C    | E   | H1 | H2 | Orifice (Ømm) | W.G(g) | Q'ty/Inbox |
|-----------|----|-------|------|----------|----|----|------|------|-----|----|----|---------------|--------|------------|
| GPMF 0401 | 4  | Rc1/8 | 8.8  | M12×1.0P | 11 | 9  | 25.1 | 14.5 | 3.4 | 14 | 14 | 3.2           | 18.3   | 100        |
| GPMF 0402 | 4  | Rc1/4 | 8.8  | M12×1.0P | 14 | 12 | 28.1 | 14.5 | 3.4 | 17 | 14 | 3.2           | 26.0   | 50         |
| GPMF 0403 | 4  | Rc3/8 | 8.8  | M12×1.0P | 15 | 13 | 29.1 | 14.5 | 3.4 | 19 | 14 | 3.2           | 27.5   | 50         |
| GPMF 0601 | 6  | Rc1/8 | 11   | M14×1.0P | 9  | 9  | 26.3 | 15.5 | 6   | 17 | 17 | 5             | 26.6   | 50         |
| GPMF 0602 | 6  | Rc1/4 | 11   | M14×1.0P | 14 | 12 | 31.3 | 15.5 | 6   | 17 | 17 | 5             | 31.4   | 50         |
| GPMF 0603 | 6  | Rc3/8 | 11   | M14×1.0P | 15 | 13 | 32.3 | 15.5 | 6   | 19 | 17 | 5             | 32.9   | 50         |
| GPMF 0801 | 8  | Rc1/8 | 13   | M16×1.0P | 8  | 9  | 28.9 | 17.8 | 7.7 | 19 | 19 | 7             | 39.9   | 50         |
| GPMF 0802 | 8  | Rc1/4 | 13   | M16×1.0P | 14 | 12 | 34.9 | 17.8 | 7.7 | 19 | 19 | 7             | 44.8   | 50         |
| GPMF 0803 | 8  | Rc3/8 | 13   | M16×1.0P | 15 | 13 | 35.9 | 17.8 | 7.7 | 19 | 19 | 7             | 41.8   | 50         |
| GPMF 0804 | 8  | Rc1/2 | 13   | M16×1.0P | 18 | 16 | 38.9 | 17.8 | 7.7 | 24 | 19 | 7             | 59.7   | 25         |
| GPMF 1001 | 10 | Rc1/8 | 15.5 | M20×1.0P | 10 | 9  | 29.3 | 19.4 | 5.7 | 22 | 24 | 7             | 54.8   | 25         |
| GPMF 1002 | 10 | Rc1/4 | 15.5 | M20×1.0P | 13 | 12 | 32.3 | 19.4 | 5.7 | 22 | 24 | 9             | 59.7   | 25         |
| GPMF 1003 | 10 | Rc3/8 | 15.5 | M20×1.0P | 15 | 13 | 34.3 | 19.4 | 5.7 | 22 | 24 | 9             | 58.3   | 25         |
| GPMF 1004 | 10 | Rc1/2 | 15.5 | M20×1.0P | 18 | 16 | 37.3 | 19.4 | 5.7 | 24 | 24 | 9             | 62.1   | 25         |
| GPMF 1201 | 12 | Rc1/8 | 18.8 | M22×1.0P | 9  | 9  | 32.4 | 22.4 | 8.2 | 24 | 26 | 8             | 69.4   | 25         |
| GPMF 1202 | 12 | Rc1/4 | 18.8 | M22×1.0P | 12 | 12 | 35.4 | 22.4 | 8.2 | 24 | 26 | 10            | 76.4   | 25         |
| GPMF 1203 | 12 | Rc3/8 | 18.8 | M22×1.0P | 14 | 13 | 37.4 | 22.4 | 8.2 | 24 | 26 | 10            | 76.1   | 25         |
| GPMF 1204 | 12 | Rc1/2 | 18.8 | M22×1.0P | 18 | 16 | 41.4 | 22.4 | 8.2 | 24 | 26 | 10            | 74.1   | 25         |

GPCJ

Plug-in Male



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

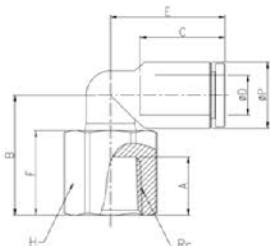
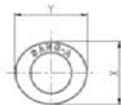
| MODEL     | ØD | R    | A  | B    | L  | C    | H  | Orifice (Ømm) | W.G(g) | Q'ty/Inbox |
|-----------|----|------|----|------|----|------|----|---------------|--------|------------|
| GPCJ 04M5 | 4  | M5   | 4  | 31.2 | 18 | 14.5 | 9  | 2             | 3.1    | 100        |
| GPCJ 0401 | 4  | R1/8 | 8  | 34.4 | 18 | 14.5 | 10 | 2.5           | 6.1    | 100        |
| GPCJ 0402 | 4  | R1/4 | 11 | 37.4 | 18 | 14.5 | 14 | 2.5           | 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



Rc



MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL     | ØD | R    | ØP   | A  | B    | C    | E    | F    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

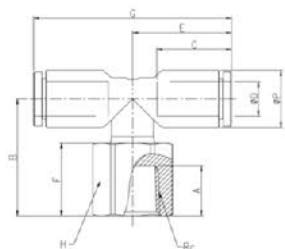
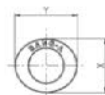
\*Rotating body construction after a proper installation.

**GPTF**

Female Branch Tee



Rc



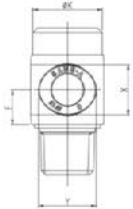
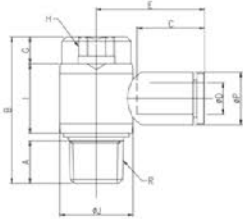
MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL     | ØD | R    | ØP   | A  | B    | C    | E    | F    | G    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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)

(mm)

| MODEL     | ØD | R    | ØP   | A   | B    | C    | E    | F    | G  | H  | I    | J    | K  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

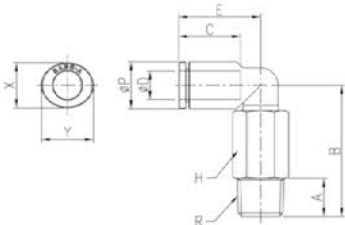
\*Rotating body construction after a proper installation.

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

## GPLL

Extended Male Elbow

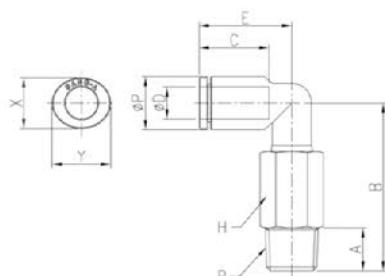


| MODEL     | ØD | R    | ØP   | A  | B     | C    | E    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>Inbox |
|-----------|----|------|------|----|-------|------|------|----|------|------|------------------|--------|----------------|
| GPLL 03M3 | 3  | M3   | 9    | 3  | 27.1  | 14.5 | 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  |                |
| GPLL 1604 | 16 | R1/2 | 25.6 | 15 | 66.1  | 25   | 34   | 21 | 24   | 27   | 13               | 128.6  | 16             |

\*Rotating body construction after a proper installation.

**GPLL(L)**

Extended Male Elbow



MODEL [ØD-T] Tube(Metric)–Thread(R)

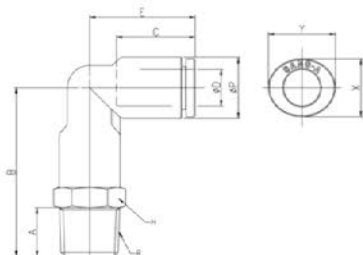
(mm)

| MODEL        | ØD | R    | ØP   | A  | B     | C    | E    | H  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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.

**GPLL P**

Union Straight

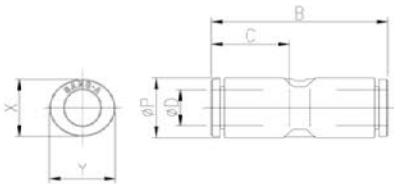


MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

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

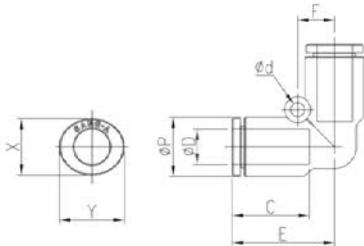
GPUC  
Union Straight



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

| MODEL   | ØD | ØP   | B    | C    | X    | Y    | Orifice (Ømm) | W.G(g) | Q'ty/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   | 8.5  | 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         |

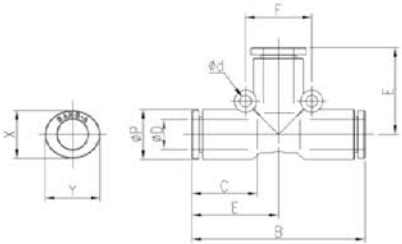
GPUL  
Union Elbow



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

| MODEL   | ØD | ØP   | B    | C    | F    | Ød  | X    | Y    | Orifice (Ømm) | W.G(g) | Q'ty/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         |

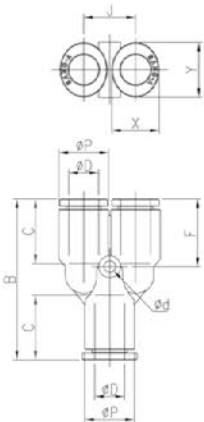
**GPUT**  
Union Tee



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

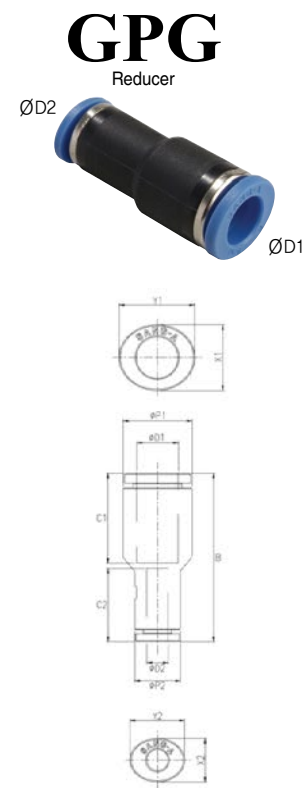
| MODEL   | ØD | ØP   | B    | C    | E    | F  | Ød  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Qty/<br>Inbox |
|---------|----|------|------|------|------|----|-----|------|------|------------------|--------|---------------|
| GPUT 03 | 3  | 9    | 34.2 | 14.5 | 17.1 | 12 | 3.2 | 8.6  | 10.8 | 2.5              | 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            |

**GPY**  
Union Y

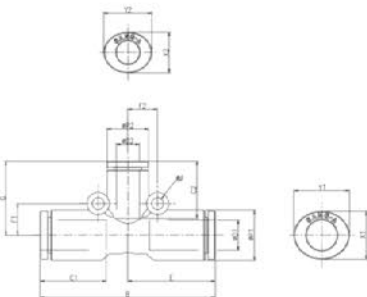


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

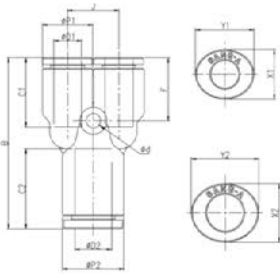
| MODEL  | ØD | ØP   | B    | C    | F    | J    | Ød  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Qty/<br>Inbox |
|--------|----|------|------|------|------|------|-----|------|------|------------------|--------|---------------|
| GPY 03 | 3  | 9    | 31.2 | 14.5 | 13.2 | 9.3  | 3.2 | 8.6  | 10.8 | 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   | 2.3              | 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            |



| MODEL [ØD-T] Tube(Metric)–Thread(R) |     |     |      |      |      |      |      |      |      |      |      |                  |        |               | (mm) |  |
|-------------------------------------|-----|-----|------|------|------|------|------|------|------|------|------|------------------|--------|---------------|------|--|
| MODEL                               | ØD1 | ØD2 | ØP1  | ØP2  | B    | C1   | C2   | X1   | Y1   | X2   | Y2   | Orifice<br>(Ømm) | W.G(g) | Qty/<br>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            |      |  |

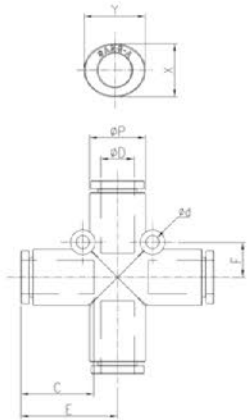


| MODEL [ØD-T] Tube(Metric)–Thread(R) |     |     |      |      |      |      |      |      |     |     |      |     |      |    |     |    |                  |        | (mm)           |  |
|-------------------------------------|-----|-----|------|------|------|------|------|------|-----|-----|------|-----|------|----|-----|----|------------------|--------|----------------|--|
| MODEL                               | ØD1 | ØD2 | ØP1  | ØP2  | B    | C1   | C2   | E    | F1  | F2  | G    | Ød  | X1   | Y1 | X2  | Y2 | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |  |



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

| MODEL    | ØD1 | ØD2 | ØP1  | ØP2  | B    | C1   | C2   | Ød  | F    | J    | X1  | Y1   | X2   | Y2   | Orifice<br>(Ømm) | W.G(g) | Qty/<br>Inbox |
|----------|-----|-----|------|------|------|------|------|-----|------|------|-----|------|------|------|------------------|--------|---------------|
| GPW 0604 | 6   | 4   | 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 | 8   | 4   | 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 | 8   | 6   | 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 | 10  | 6   | 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 | 10  | 8   | 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 | 12  | 8   | 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 | 12  | 10  | 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            |

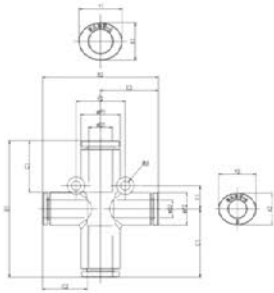


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL   | ØD | ØP   | C    | E    | F   | Ød  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Qty/<br>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 | 6.5 | 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)

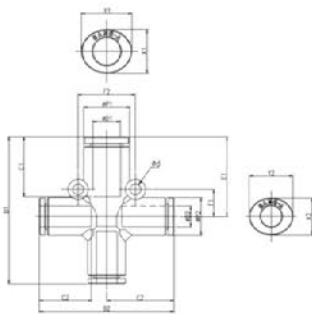


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL       | ØD1 | ØD2 | ØP1  | ØP2  | C1   | C2   | B1   | B2   | E1   | E2   | F1  | F2 | Ød  | X1   | Y1   | X2 | Y2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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

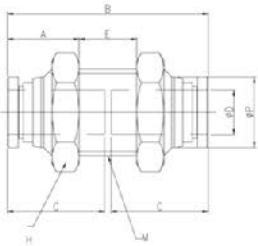
Different Dia of Union Cross(3/1)



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

| MODEL       | ØD1 | ØD2 | ØP1  | ØP2  | C1   | C2   | B1   | B2   | E1   | E2   | F1  | F2 | Ød  | X1   | Y1   | X2 | Y2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

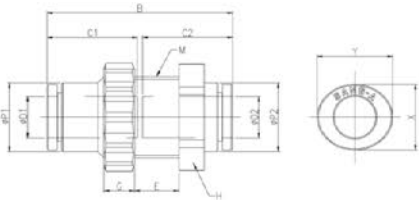
**GPMM**  
Bulkhead Union



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

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

**GPPM**  
Bulkhead Union P

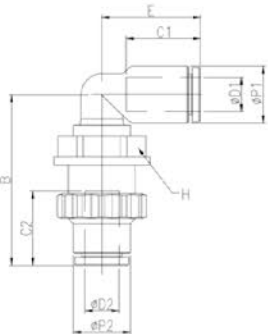


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL   | ØD1 | ØD2 | ØP1  | ØP2  | M        | G | H  | B    | C1   | C2   | E    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>Inbox |
|---------|-----|-----|------|------|----------|---|----|------|------|------|------|------------------|--------|----------------|
| GPPM 04 | 4   | 4   | 9    | 9    | M12×1.5P | 5 | 14 | 30   | 14.5 | 14.5 | 7.1  | 3.2              | 6.2    | 100            |
| GPPM 06 | 6   | 6   | 11.2 | 11.2 | M14×1.5P | 5 | 17 | 31.9 | 15.5 | 15.5 | 8.6  | 5                | 9.3    | 50             |
| GPPM 08 | 8   | 8   | 13.6 | 13.6 | M16×1.5P | 6 | 19 | 36.6 | 17.8 | 17.8 | 8.8  | 7                | 13.2   | 50             |
| GPPM 10 | 10  | 10  | 16.3 | 16.3 | M20×2.0P | 6 | 24 | 40   | 19.4 | 19.4 | 10.2 | 9                | 22.1   | 25             |
| GPPM 12 | 12  | 12  | 19.7 | 19.7 | M22×2.0P | 6 | 27 | 46   | 22.4 | 22.4 | 11.9 | 10               | 28.2   | 20             |

GPLM

Bulkhead Union P

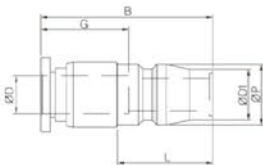


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| 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 | M12×1.5P | 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 | M14×1.5P | 35.3 | 18   | 13   | 5 | 17 | 6.6  | 4             | 9.5    | 50         |
| GPLM 08 | 8   | 8   | 13.6 | 13.6 | 17.8 | 17.8 | M16×1.5P | 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 | M20×2.0P | 45.6 | 25   | 16   | 6 | 24 | 8.15 | 9             | 21.9   | 20         |
| GPLM 12 | 12  | 12  | 19.7 | 19.7 | 22.4 | 22.4 | M24×2.0P | 52.1 | 32.2 | 18   | 6 | 27 | 9.85 | 9.5           | 38.6   | 15         |

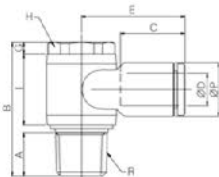
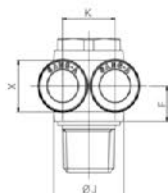
GPCP

Straight Ace Coupler Plug



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

| 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)

(mm)

| MODEL    | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | ØJ   | K    | X    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

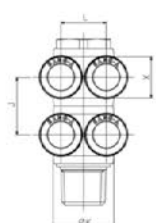
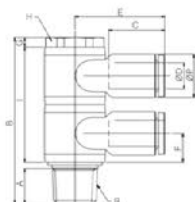
\*Rotating body construction after a proper installation.

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

**GPA(D2)**

Double Branch A



MODEL [ØD-T] Tube(Metric)–Thread(R)

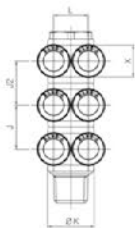
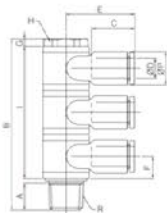
(mm)

| MODEL       | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | J    | ØK   | L    | X    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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)

(mm)

| MODEL       | ØD | R    | ØP   | A   | B    | C    | E    | F    | G   | H  | I    | J    | J2   | ØK   | L    | X    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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.

MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

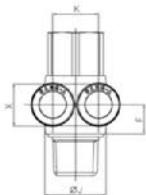
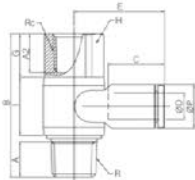
| MODEL     | ØD | R    | Rc   | ØP   | A1  | A2 | B    | C    | E    | F    | G    | H  | I    | ØJ   | K    | X    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>Inbox |
|-----------|----|------|------|------|-----|----|------|------|------|------|------|----|------|------|------|------|------------------|--------|----------------|
| 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   | 50             |
| 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.

GPAF

Dual Female Banjo

Rc

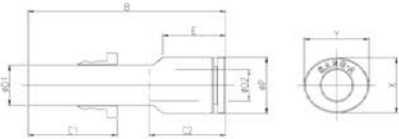


**GPGJ**  
Plug-in Reducer



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

| MODEL     | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E    | X   | Y  | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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    | 63.9 | 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   | 11.8 | 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             |

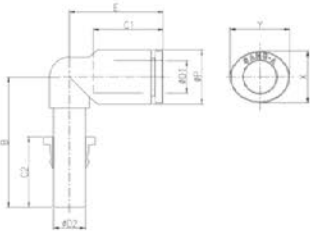


**GPLJ**  
Plug-in Elbow



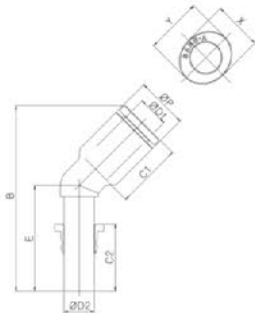
MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL   | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E    | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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

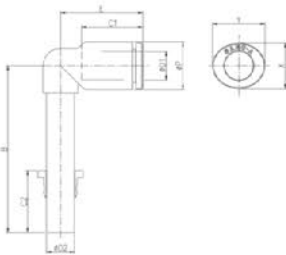


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E    | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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

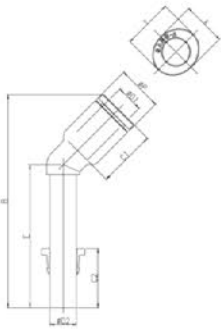


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL    | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E    | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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

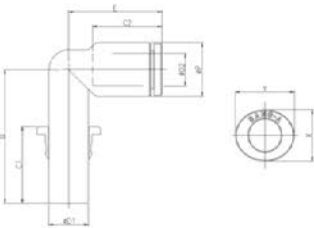


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL      | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E  | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

**GPLGJ**

Plug-in Reducer Elbow

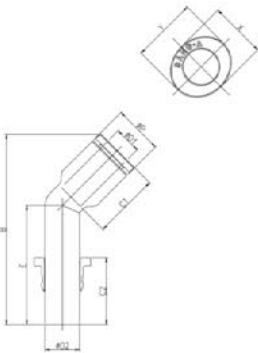


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL      | ØD1 | ØD2 | ØP   | B    | C1   | C2   | E    | X   | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

GPLGJ45

Plug-in Reducer Elbow

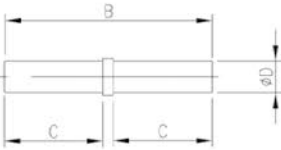


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

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

PIJ

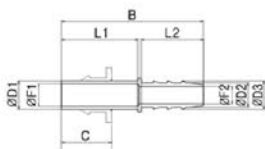
Tube Splicer



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

| MODEL  | ØD | B    | C     | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

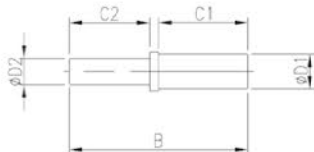
**PJH**  
Plug-in Extended Elbow



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

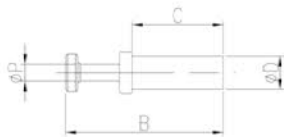
| MODEL      | B    | C    | ØD1 | ØD2  | ØD3  | ØF1 | ØF2 | L1   | L2   | W.G(g) | Q'ty/<br>Inbox |
|------------|------|------|-----|------|------|-----|-----|------|------|--------|----------------|
| PJH 04-04  | 36   | 16   | 4   | 4.8  | 5.9  | 2   | 2   | 18   | 17   | 0.9    | 100            |
| 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             |

**PIG**  
Reducer Tube Splicer



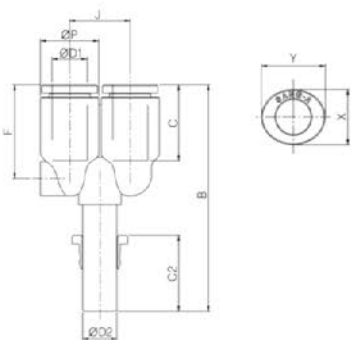
MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD1 | ØD2 | B    | C1   | C2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |



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

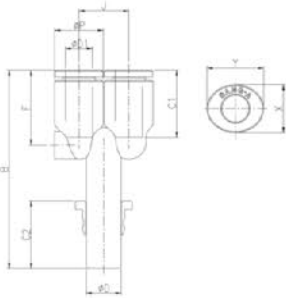
| MODEL | ØD | B  | ØP | C  | W.G(g) | Q'ty/<br>Inbox |
|-------|----|----|----|----|--------|----------------|
| PP 04 | 4  | 30 | 2  | 13 | 0.4    | 100            |
| PP 06 | 6  | 34 | 3  | 20 | 0.7    | 100            |
| PP 08 | 8  | 38 | 4  | 22 | 1.4    | 100            |
| PP 10 | 10 | 41 | 5  | 25 | 2      | 50             |
| PP 12 | 12 | 43 | 7  | 27 | 3.6    | 50             |
| PP 16 | 16 | 47 | 9  | 31 | 4      | 25             |



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

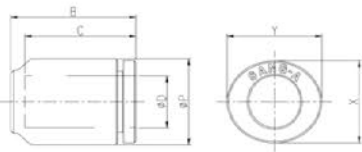
| MODEL   | ØD1 | ØD2 | ØP   | B    | C1   | C2   | F    | J    | X    | Y    | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>Inbox |
|---------|-----|-----|------|------|------|------|------|------|------|------|------------------|--------|----------------|
| GPYJ 04 | 4   | 4   | 9    | 37.8 | 14.5 | 14.5 | 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) |     |     |      |      |      |      |      |      |     |      |               | (mm)   |            |
|-------------------------------------|-----|-----|------|------|------|------|------|------|-----|------|---------------|--------|------------|
| 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         |

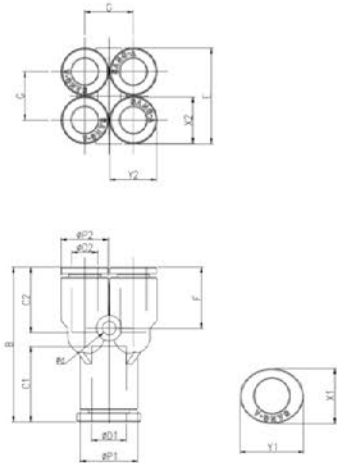
**GPPF**  
Cap



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

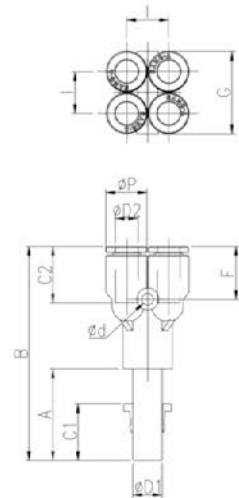


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD1 | ØD2 | ØP1  | ØP2  | B    | C1   | C2   | E    | F    | G    | Ød  | X1 | Y1 | X2  | Y2  | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

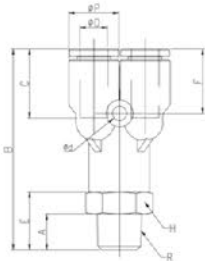
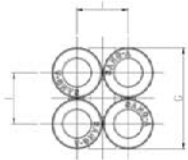
GPXJ

Reducer Double Y



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

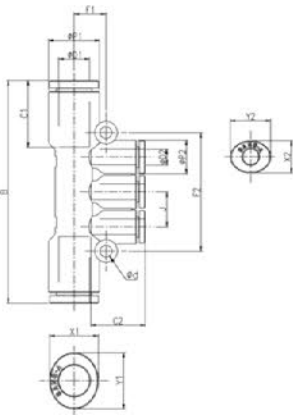
| MODEL     | ØD1 | ØD2 | ØP   | A  | B    | C1   | C2   | F    | G    | I    | Ød  | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>Inbox |
|-----------|-----|-----|------|----|------|------|------|------|------|------|-----|------------------|--------|----------------|
| GPXJ 0604 | 6   | 4   | 9    | 23 | 53   | 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 | 17.5 | 15.5 | 14.5 | 22.6 | 11.5 | 3.2 | 3.7              | 13.2   | 25             |



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

| MODEL     | ØD | R    | ØP   | A  | B    | C    | E    | F    | G    | H  | I    | Ød  | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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.

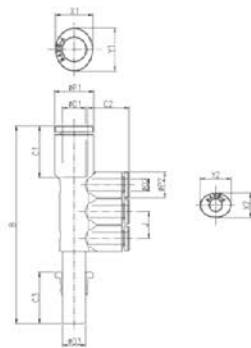


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD1 | ØD2 | ØP1  | ØP2  | B    | C1   | C2   | Ød  | F1  | F2   | J    | X1 | Y1 | X2  | Y2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

GPKJ

Plug-in Reducer Triple Branch

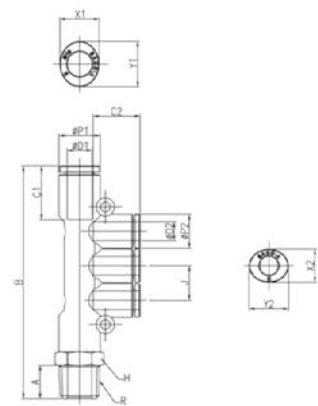


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL     | ØD1 | ØD2 | ØD3 | ØP1  | ØP2  | B    | C1   | C2   | C3   | J    | X1 | Y1   | X2  | Y2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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             |

GPKD

Male Reducer Triple Branch

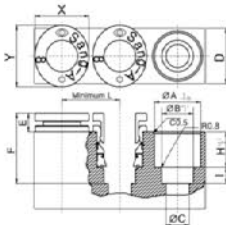


MODEL [ØD-T] Tube(Metric)–Thread(R) (mm)

| MODEL        | ØD1 | ØD2 | R    | ØP1  | ØP2  | B    | C1   | C2   | A  | H  | J    | X1 | Y1   | X2  | Y2   | Orifice<br>(Ømm) | W.G(g) | Q'ty/<br>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



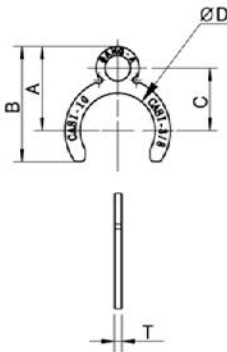
MODEL [ØD-T] Tube(Metric)–Thread(R)

(mm)

| MODEL   | ØD | ØA   | ØB   | ØC  | D  | E   | F    | H    | I   | L  | X  | Y  | W.G(g) | Q'ty/<br>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)

(mm)

| MODEL   | ØD   | A    | B    | C  | T   | Q'ty/<br>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            |

