# ONE-TOUCH FITTINGS

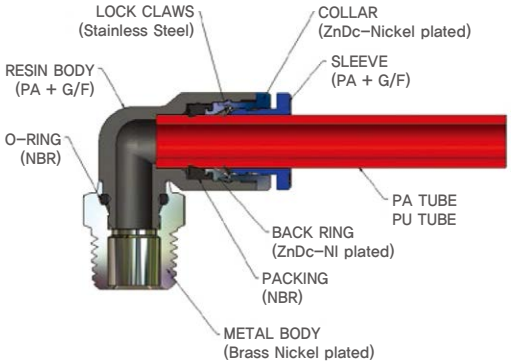
## Application

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

## Feature

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

## Structural Diagram




## Specification

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



## Case In Use

▶ POC Model

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

## Product Code System

GPC 08 - 02 (①) (②) (③)

GPC 08 - 02 (GR) (①) (②) (③) (④)

① Type
② Tube Dia(ØD)

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

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

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

④ Color (Gray fitting can be produced)

| | None | (GR) |
|---|---|---|
| Color | Black | Gray |



**⚠ CAUTION**

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

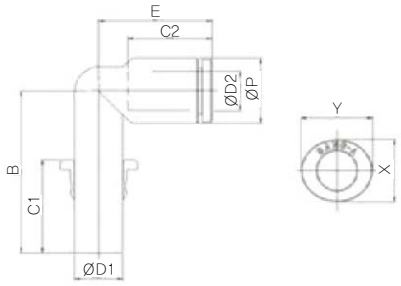
**⚠ WARNING**

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

# GPLGJ

Plug-in Reducer Elbow




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

| CODE | MODEL | ØD1 | ØD2 | ØP | B | C1 | C2 | E | X | Y | Orifice (Ø mm) | W.G(g) | Q'ty/ Inbox |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11444300 | GPLGJ 0604 | 6 | 4 | 9 | 28.5 | 15.5 | 14.5 | 17.1 | 8.6 | 10.8 | 3.2 | 2.1 | 50 |
| 11444500 | GPLGJ 0806 | 8 | 6 | 11.2 | 30.6 | 17.8 | 15.5 | 18 | 11 | 13 | 5 | 3.2 | 50 |
| 11444700 | GPLGJ 1008 | 10 | 8 | 13.6 | 33.8 | 19.4 | 17.8 | 23.6 | 13 | 15 | 7 | 5.4 | 50 |
| 11445000 | GPLGJ 1210 | 12 | 10 | 16.3 | 38.2 | 22.4 | 19.4 | 25 | 16 | 18.5 | 9 | 8.1 | 25 |