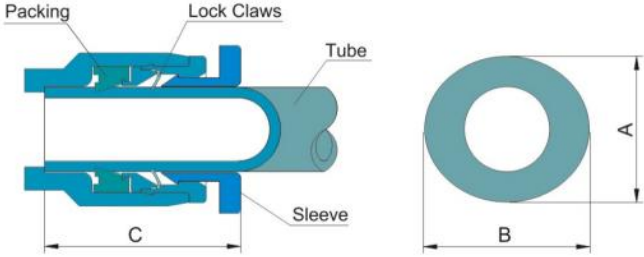


Precautions for Using the Push Fitting Products

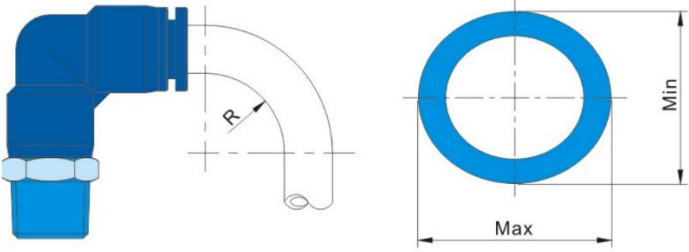
Basic Structure of Quick-Connect Fittings

When connecting the pipe, ensure that the pipe's cut surface is smooth and flat; the outer surface of the pipe should be free of scratches or deformation. When inserting the pipe, it should be inserted completely into the fitting without tilting. If it is not fully inserted, it may cause air leakage, or the pipe may come loose. Once the pipe is properly inserted, it will not come out due to the built-in locking mechanism of the fitting. When removing the pipe, make sure the locking sleeve is fully pressed down, and then pull the pipe out.

Dimensions of Release Rings for Removing Air Tubes



| Tube Size (mm) | Φ4 | Φ6 | Φ8 | Φ10 | Φ12 | Φ14 | Φ16 |
|----------------|------|------|----|------|------|------|-----|
| A | 10.5 | 12.5 | 14 | 17 | 20.5 | 22 | 24 |
| B | 12 | 14 | 16 | 19.5 | 23 | 24.5 | 27 |



When connecting with the tube fitting, if the outer diameter of the tubing differs, see Table 3. If the tubing's cross-section is elliptical, it is recommended to use tubing where the difference between the long and short diameters is within 0.2 mm. After connecting the tubing, if it is excessively stretched or bent, it may adversely affect the fitting, potentially causing air leakage or safety issues. Please operate according to the table below.

Bending Radius Classification by Tubing Size

| Tubing Size | Φ4 | Φ6 | Φ8 | Φ10 | Φ12 | Φ14 | Φ16 |
|-------------|----|----|----|-----|-----|-----|-----|
| R | 20 | 30 | 50 | 80 | 150 | 230 | 350 |

! Safety Warning

Do not use fluids other than air or water (some models support water).

When used in environments with sparks or flames, use all-metal fittings to avoid fire hazards.

For applications involving rotation, please use rotary-type fittings.

For high-temperature environments over 60°C (such as water or hot oil), please contact our company before use.

For environments requiring electrostatic protection, contact our company before use. Static electricity may reduce product quality or cause failure.

Applying excessive external loads (bending, twisting, pulling) on the fitting may cause product damage or leakage.

! Notes: When using air tubing not manufactured by our company (nylon or polyurethane tubing), please first confirm whether the outer diameter of the tubing complies with the tolerances shown in Table 3.

| Model | Nylon Tubing | Polyurethane Tubing |
|--------|--------------|---------------------|
| Ø 3 mm | ±0.08 | ±0.08 |
| Ø4 mm | ±0.08 | ±0.1 |
| Ø6 mm | ±0.08 | ±0.1 |
| Ø8 mm | ±0.08 | ±0.1 |
| Ø10 mm | ±0.08 | ±0.15 |
| Ø12 mm | ±0.1 | ±0.15 |
| Ø14 mm | ±0.15 | ±0.15 |
| Ø16 mm | ±0.15 | ±0.2 |

Table 3 – Reference Table for Air Tube Outer Diameter Tolerance