

Insertion type (stainless)

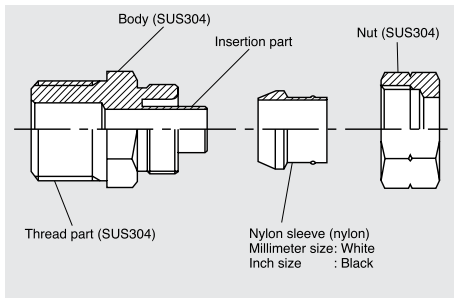
Screw-in type for multi-purpose piping (made of SUS304)

Features

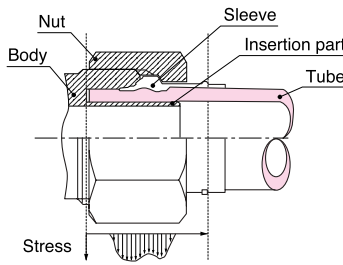
- **Screw-in type**
Consisting of three parts: fitting body, nut and sleeve
- **High sealing performance**
The insertion part is integrated with a fitting body with high negative-pressure performance.
- **Made of SUS304 with high corrosion resistance**
- **JIS B 8381-1995 (fittings for pneumatic flexible pipes) compliant**



Cross-sectional structure diagram



Sealing mechanism



Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	Nylon sleeve -40°C~+80°C
Water	Nylon sleeve 0°C~+70°C
General operating oil	Nylon sleeve -40°C~+80°C

☞ Contact us for various chemical liquids.
☞ See "Combination List of Tube and Fitting" on page 8.

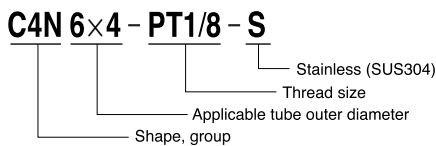
Pressure condition

Maximum working pressure: 5.0MPa
Negative pressure performance: -101.294kPa

Handling instructions

- ⚠ **Caution** When the working conditions of tubes and fittings differ, use them under the lower specified conditions.
 - ⚠ **Caution** For use at a high temperature within the working temperature range, tighten the nut periodically. If the nut cannot be tightened further, cut the tube end and insert the tube again with a new sleeve.
 - ⚠ **Caution** When water is used as the operating fluid, do not allow it to freeze.
 - ⚠ **Caution** Do not bend the pipe sharply near the tube insertion port (sleeve end) of the fitting. Keep the tube straight for twice as long as the tube diameter from the insertion port.
 - ⚠ **Caution** The outer and the inner diameters of the fitting have to be the same as those of the tube used.
- ☞ See page 34 for the common handling instructions for tube fittings.

Product number example



Distinction of millimeter/inch sizes



The inch size type has a black sleeve.
The millimeter size type has a cut at the hexagonal nut.

Applicable tube

Polyurethane tube	Nylon tube	Flexible fluorocarbon resin bilayer tube	Polybutene tube	Antistatic tube	Polyolefine resin tube *1	Fluorocarbon resin tube *1	Polyurethane processed tube
U2...P.12 U1...P.13 U5...P.14	N2...P.15 N5...P.16 N1...P.17	TES...P.18	PB...P.25	UE...P.23	PL...P.26 PN...P.27	TA...P.28 TP...P.29	UC...P.30 USC...P.30 UMC...P.30 UML...P.31

(*1) Combinatory use of PL, PN, TA or TP tube and QuickSeal series of insertion type (stainless) mixes general and clean type performances. When using them in a clean environment, pay attention to the clean level that could be lowered.

Allied products and product introduction



Reference

- Instruction manual.....P.180
- Chemical resistance specification table.....P.207
- Effective cross-sectional areaP.176
- Negative-pressure performance list.....P.177