

## ST (Soft Seal) Fitting Series

# e1Touch

Hose Fitting

**Best fit for cooling pipes and hoses!  
Safe, easy and quick connection!**



**Easy & Quick**

**No leaks/uncoupling**

**Robust & Rust-free**

- Choose from a wide variety of fittings: elbow, T-shape, taper-threaded, parallel-threaded and connector.
- We can also manufacture ball valves for e1Touch fittings.

# e1Touch

## e1Touch Features

e1Touch hose fittings provide a complete seal thanks to a structure that uses an insert inside the hose that locks tight with the sleeve. This prevents water leakage and stops the hose from coming off. Furthermore, the hose connector and the main body for the fitting can be coupled or released easily. The main body is interchangeable with the BI-Lok fittings, which provides a wide variety of fitting shapes that you can choose from.

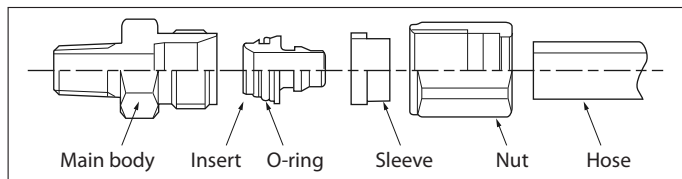
## Easy Handling

The insert can be attached to the hose with ease. The best tightening for the nut is very clear. (Simply tighten the nut until it reaches the wall on the main body.) Disassembly is easy. (When disassembling, the hose can easily be separated from the main body, which minimizes the space for the hose to move.) Disassembly and reassembly can be performed over and over again.

## Performance

Good tightening balance provides a pressure performance higher than the burst pressure for the hose. This fitting boasts excellent air tightness. The diameter of the insert's hole is exactly the same as the inner diameter of the hose, thus keeping airflow steady even at the hose junction. The main body is a BI-Lok fitting, making it easy to change from hard piping to soft piping.

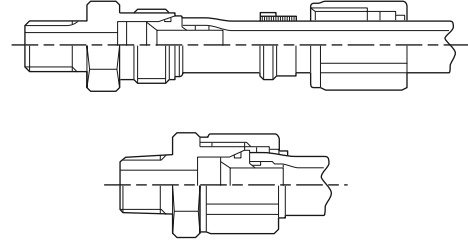
## Basic Structure



## Material

Part name	Main body	Insert	O-ring	Sleeve	Nut
Material	SUS316	SUS304	Viton	Polyacetal	SUS304

## Tightening Procedure



- Cut the end of the hose at a right angle, and attach the nut and the sleeve to the hose.
- Place the insert in the hose. Push the insert into the hose until the hose reaches the insert's wall.
- Slide the sleeve fully toward the insert.
- Screw the nut on the main body, tightening until it reaches the wall.

## Applicable Hose

Soft PVC: Applicable to hoses with the inner and outer diameters identical to those of TOYORON hoses from TOYOX Co., Ltd.

## Hose Working Pressure

Hose size (I.D. x O.D.)	Working pressure (MPa)	Hose size (I.D. x O.D.)	Working pressure (MPa)
4 x 9 – 10 x 16	0 – 1.0	19 x 26 – 25 x 33	0 – 0.6
12 x 18 – 15 x 22	0 – 0.8	32 x 41	0 – 0.4

## Order Tips: Model Description

**E1 CT 6 x 11 - R4 SS**

Shape*
CT: Male, straight connector
LN: Male, elbow

Hose size (I.D. x O.D.)	
6 x 11: Ø6 x Ø11	15 x 22: Ø15 x Ø22
8 x 13.5: Ø8 x Ø13.5	19 x 26: Ø19 x Ø26
9 x 15: Ø9 x Ø15	25 x 33: Ø25 x Ø33
10 x 16: Ø10 x Ø16	32 x 41: Ø32 x Ø41
12 x 18: Ø12 x Ø18	

Screw size*
R4: 1/4
R6: 3/8
R8: 1/2
R12: 3/4
R16: 1

Material
SS: Stainless

\*Additional shapes and types of threading not listed above are also available. For details, please contact our sales representatives.



ISO9001 Certified Office  
 Certified office for high-pressure gas facility testing and manufacturing,  
 certified office for N valves and N-II fittings  
 TÜV Rheinland Japan Ltd. Certified Plant

**IHARA SCIENCE CORPORATION**

## CAUTION

Improper selection or handling of fittings, valves or related accessories may cause damage to operators or systems. Select appropriate fittings, valves or related accessories after careful consideration of the compatibility with the system being used and the operating conditions based on judgments made regarding the responsibility and limitations of both the system architects and the users. Furthermore, make sure to perform proper installation, operation, and maintenance. Read the instruction manual carefully before use, and fully understand the contents. If you do not have the instruction manual or if you have any questions, please contact your nearest sales office.

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