

# Q.D.C. 101 Series

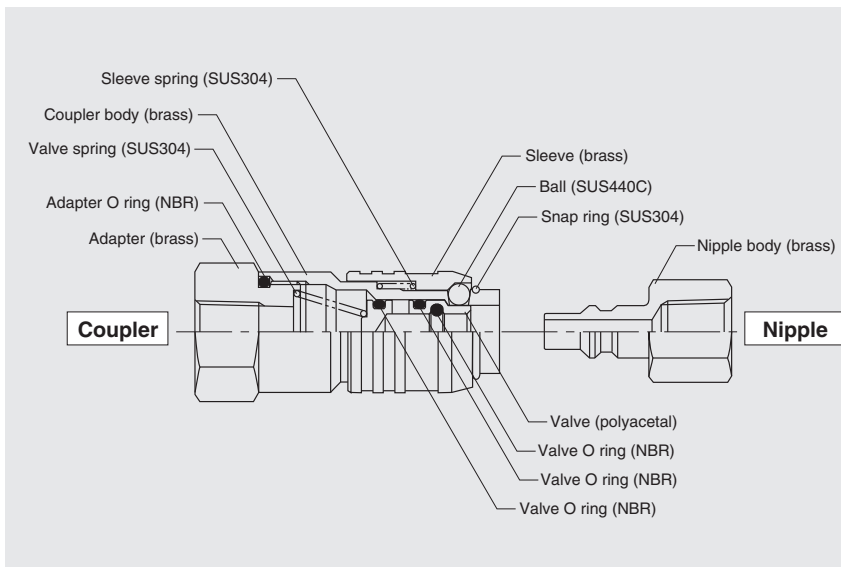
Compact coupler for air pressure

## Features

- **Push-To-Connect type**  
One-touch connection just by pushing the nipple into the coupler.
- **Automatic opening/closing valve inside the coupler**  
The valve inside the coupler is automatically opened by connecting the coupler and the nipple.
- **SUS304 type (made to order) available**
- **PushOne fitting integrated types available**



## Cross-sectional structure diagram



## Operating fluid, working temperature range

Operating fluid	Working temperature range
Air	-20°C~+80°C

## Pressure condition

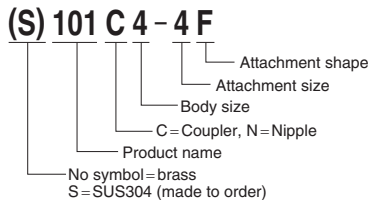
**Maximum working pressure: 1.0MPa**  
**Negative pressure performance: -99.975kPa**

## Handling instructions

- ⚠ **Caution:** When the working conditions of tubes and fittings are different, use them under the lower specified conditions.
- ⚠ **Caution:** Neither the coupler nor nipple can be connected to other manufacturers' products.
- ⚠ **Caution:** Detach the tubing, coupler or nipple in an unpressurized state.
- ⚠ **Caution:** Do not use and rotate the coupler as a substitute for a rotary joint or swivel joint.
- ⚠ **Caution:** Do not use the coupler or nipple in a place contaminated with metal particles or dust. It could cause problems with operation.
- ⚠ **Caution:** Connection and disconnection under a residual pressure may cause an accident. Also, do not hit the front end with a hammer to release pressure.
- ⚠ **Caution:** In case of leakage due to abrasion or degradation of O ring, replace both the O ring and body with new ones.

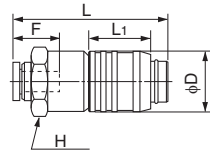
👉 See page 134 for the common handling instructions for control, switch and detachable series products.

## Product number example



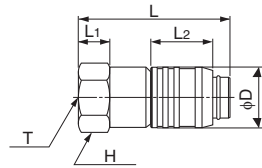
# Coupler

## PushOne™ type



Product number	Applicable tubing outer diameter (mm)	L (mm)	L1 (mm)	F Tubing insertion length (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101C4-6E	6	49.3	19.5	15	19.0	19.0	62.0
101C4-8E	8	50.9	19.5	16	19.0	19.0	62.0
101C4-10E	10	53.9	19.5	19	19.0	19.0	64.5

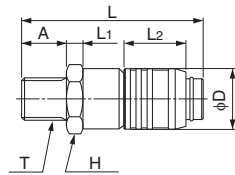
## Internal thread type



Product number	T Thread size (RC)	L (mm)	L1 (mm)	L2 (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101C4-2F	RC1/8	48.0	10.0	19.5	19.0	19.0	67.5
101C4-4F	RC1/4	48.0	10.0	19.5	19.0	19.0	60.5
* S101C4-2F	RC1/8	48.0	10.0	19.5	19.0	19.0	67.5
* S101C4-4F	RC1/4	48.0	10.0	19.5	19.0	19.0	60.5

\*Made to order

## External thread type



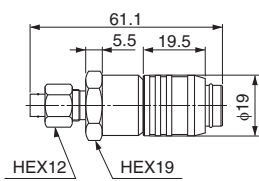
Product number	T Thread size (R)	L (mm)	A (mm)	L1 (mm)	L2 (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101C4-2M	R1/8	53.5	10.0	5.5	19.5	19.0	19.0	59.0
101C4-4M	R1/4	57.5	14.0	5.5	19.5	19.0	19.0	64.0
* S101C4-2M	R1/8	53.5	10.0	5.5	19.5	19.0	19.0	59.0
* S101C4-4M	R1/4	57.5	14.0	5.5	19.5	19.0	19.0	64.0

\*Made to order

## N2-1-1/4 type



Product number : 101C4-4T

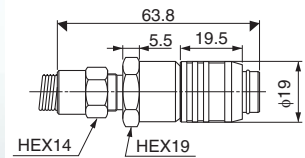


Weight : 64.0g

## Nylon coil tubing S1/4 type



Product number : 101C4-4S

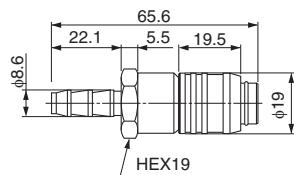


Weight : 78.5g

## φ8 hose type



Product number : 101C4-4H



Weight : 63.5g

Tubing

Clean tubing

Processed tubing

PushOne fitting

QuickSeal fitting

Clean fitting/Chemifit

Bamboo-shoot fitting

Control switch/Detachable series

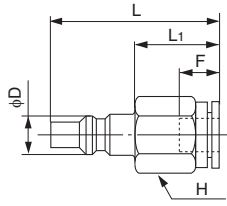
Jig/Tool/Accessory

Technical information

Reference

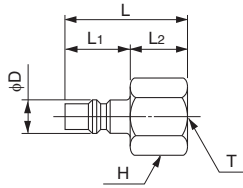
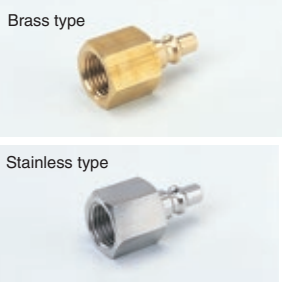
# Nipple

## PushOne™ type



Product number	Applicable tubing outer diameter (mm)	L (mm)	L <sub>1</sub> (mm)	F Tubing insertion length (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101N4-6E	6	32.8	16.2	15	12.0	8.3	13.0
101N4-8E	8	34.9	18.3	16	14.0	8.3	16.0
101N4-10E	10	38.4	21.8	19	17.0	8.3	27.0

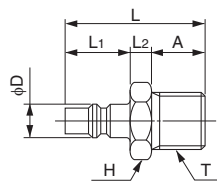
## Internal thread type



Product number	T Thread size (RC)	L (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101N4-2F	RC1/8	29.5	16.6	12.9	14.0	8.3	16.5
101N4-4F	RC1/4	32.8	16.6	16.2	17.0	8.3	25.0
* S101N4-2F	RC1/8	29.5	16.6	12.9	14.0	8.3	16.5
* S101N4-4F	RC1/4	32.8	16.6	16.2	17.0	8.3	25.0

\*Made to order

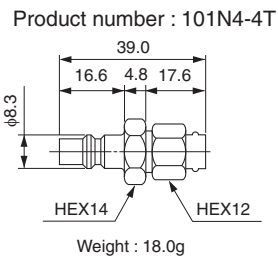
## External thread type



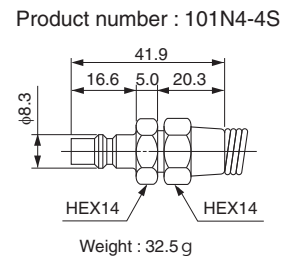
Product number	T Thread size (R)	L (mm)	L <sub>1</sub> (mm)	L <sub>2</sub> (mm)	A (mm)	H Width across flat (mm)	D (mm)	Weight (g)
101N4-2M	R1/8	31.4	16.6	4.8	10.0	14.0	8.3	13.5
101N4-4M	R1/4	35.4	16.6	4.8	14.0	14.0	8.3	18.0
* S101N4-2M	R1/8	31.4	16.6	4.8	10.0	14.0	8.3	13.5
* S101N4-4M	R1/4	35.4	16.6	4.8	14.0	14.0	8.3	18.0

\*Made to order

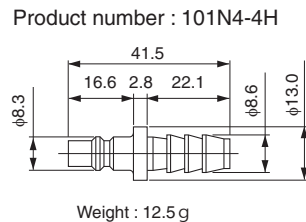
## N2-1-1/4 type



## Nylon coil tubing S1/4 type



## φ8 hose type



Tubing  
Clean tubing  
Processed tubing  
PushOne fitting  
QuickSeal fitting  
Clean fitting/Chemifit  
Bamboo-shoot fitting  
Control switch/Detachable series  
Jig/Tool/Accessory  
Technical information  
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