

# COMPACT ONE-TOUCH FITTINGS



## Uses

- Compact type one-touch joints used in narrow spaces
- Used for various environments to meet all needs

## Features

- Easy installation and disconnection by one-touch
- Smaller volume ratio and smaller O.D. but the same flow rate compared the general type
- Electroless nickel plating type provides excellent corrosion resistance
- Oval sleeves are designed to install in narrow spaces
- The screws are O-ringed or Teflon-treated.
- It is suitable for small devices and narrow-space piping.

## Specifications

Fluid type	Air(No other gases or liquids)
Working pressure	0~150PSI / 0~9.9kgf/cm <sup>2</sup> (0~990kPa) ※ In combination with the applied tube, it is based on the maximum operating pressure of the tube.
Negative pressure	-29.5 in Hg / -750mmHg(-750Torr)
Working temperature	32~140° F / 0~60°C
Applicable Tube	Polyurethane and Nylon

## Structural drawing



Compact One - Touch Fittings

## Product Code System

METRIC - BSPT(R)  
**PC 06-01-C**

COMPACT ONETOUCH FITTING	TUBE DIA		THREAD SIZE		COMPACT Nickel	
	CODE	SIZE	METRIC THREAD	CODE		SIZE
	03	Ø3	M3	M3×0.5		
	04	Ø4	M3	M3×0.5		
	06	Ø6	M5	M5×0.8		
			M6	M6×1.0		
		R(PT) THREAD				
		CODE	SIZE			
		01	R 1/8			

METRIC - BSP(G)  
**PC 06-G01-C**

COMPACT ONETOUCH FITTING	TUBE DIA		THREAD SIZE		COMPACT Nickel	
	CODE	SIZE	G(PF) THREAD	CODE		SIZE
	04	Ø4	G01	G 1/8		
	06	Ø6	G01	G 1/8		

INCH - BSPT(R)  
**PC-1/4-01-C**

COMPACT ONETOUCH FITTING	TUBE DIA		THREAD SIZE		COMPACT Nickel	
	CODE	SIZE	METRIC THREAD	CODE		SIZE
	1/8	Ø 1/8	M3	M3×0.5		
	5/32	Ø 5/32	M5	M5×0.8		
	1/4	Ø 1/4	M6	M6×1.0		
		R(PT) THREAD				
		CODE	SIZE			
		01	R 1/8			

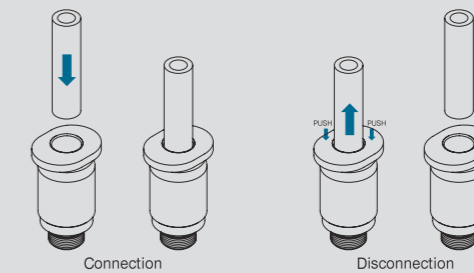
INCH - NPT  
**PC-1/4-N1-C**

COMPACT ONETOUCH FITTING	TUBE DIA		THREAD SIZE		COMPACT Nickel	
	CODE	SIZE	UNF THREAD	CODE		SIZE
	1/8	Ø 1/8	U	10-32UNF		
	5/32	Ø 5/32				
	1/4	Ø 1/4	NPT THREAD			
			CODE	SIZE		
		N0	NPT 1/16			
		N1	NPT 1/8			

- All fittings are brass body type and electroless nickel(EN) plating, thus, provides excellent corrosion resistance.
- Oval sleeves are easy to install and disconnect.

POC Models	Use a hexagonal wrench to tighten internal hexagonal part. POC products cannot be fastened with other tools since the outside of the body is circular.
PL Models	Rotation of plastic body makes the tube piping efficient.
PLL Models	

## Example of uses



## CAUTIONS

- Be sure to read "Caution", "Warning", "Common Safety Instructions"(pp. 25) and precautions of using fitting products before use.
- Make sure to check "Recommended Tightening Torque"(pp.26)
- It is recommended to rotate the fitting 2-3 times using a tool after tightening by hand. Screws will break if it pushes too hard.
- Make sure that the cut end surface of the tube is a right angle without a scratch on the surface and deformations.
- Pull the tube lightly to check the complete installation.
- Avoid piping under the condition of tension and abruptly curved piping before the tube insertion

## WARNINGS

- Avoid twisting or hitting the body of fitting when assembling. It may cause damage or air leakage.
- Make sure to check specifications before using fluid. It may cause damage or air leakage

**PC-C**  
Male Straight



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch -Thread NPT		Tube Metric -Thread G
PC 03-M3C	PC 04-M6C	PC 1/8-M3C	PC 5/32-M6C	PC 1/8-UC	PC 5/32-N0C	PC 04-G01C
PC 03-M5C	PC 04-01C	PC 1/8-M5C	PC 5/32-01C	PC 1/8-N0C	PC 5/32-N1C	PC 06-G01C
PC 03-M6C	PC 06-M5C	PC 1/8-M6C	PC 1/4-M5C	PC 1/8-N1C	PC 1/4-UC	
PC 03-01C	PC 06-M6C	PC 1/8-01C	PC 1/4-M6C	PC 1/8-N2C	PC 1/4-N0C	
PC 04-M3C	PC 06-01C	PC 5/32-M3C	PC 1/4-01C	PC 5/32-UC	PC 1/4-N1C	
PC 04-M5C		PC 5/32-M5C				

**PC-G-C**  
Male Straight



**PMM-C**  
Bulkhead Union



MODEL(φD)

Tube Metric	Tube Inch
PMM 03C	
PMM 04C	
PMM 06C	

**PLJ-C**



MODEL(φD)

Tube Metric	Tube Inch-Thread NPT
PLJ 03C	PLJ 1/8 C
PLJ 04C	PLJ 5/32 C
PLJ 06C	PLJ 1/4 C

**PCF-C**  
Female Straight



MODEL(φD-T)

Tube Metric -Thread Rc		Tube Inch-Thread Rc		Tube Inch-Thread NPT	
PCF 03-M3C	PCF 04-M6C	PCF 1/8-M3C	PCF 5/32-M6C	PCF 1/8-UC	PCF 5/32-N0C
PCF 03-M5C	PCF 04-01C	PCF 1/8-M5C	PCF 5/32-01C	PCF 1/8-N0C	PCF 5/32-N1C
PCF 03-M6C	PCF 06-M5C	PCF 1/8-M6C	PCF 1/4-M5C	PCF 1/8-N1C	PCF 1/4-UC
PCF 04-M3C	PCF 06-M6C	PCF 1/8-01C	PCF 1/4-M6C	PCF 1/8-N2C	PCF 1/4-N0C
PCF 04-M5C	PCF 06-01C	PCF 5/32-M3C	PCF 1/4-01C	PCF 5/32-UC	PCF 1/4-N1C
		PCF 5/32-M5C			

**PL-C**  
Male Elbow



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch -Thread NPT		Tube Metric -Thread G
PL 03-M3C	PL 04-01C	PL 1/8-M3C	PL 5/32-M6C	PL 1/8-UC	PL 5/32-N1C	PL 04-G01C
PL 03-M5C	PL 06-M5C	PL 1/8-M5C	PL 5/32-01C	PL 1/8-N0C	PL 1/4-UC	PL 06-G01C
PL 03-M6C	PL 06-M6C	PL 1/8-M6C	PL 1/4-M5C	PL 1/8-N1C	PL 1/4-N0C	
PL 04-M3C	PL 06-01C	PL 1/8-01C	PL 1/4-M6C	PL 5/32-UC	PL 1/4-N1C	
PL 04-M5C		PL 5/32-M3C	PL 1/4-01C	PL 5/32-N0C		
PL 04-M6C		PL 5/32-M5C				

**PL-G-C**  
Male Elbow



**POC-C**  
Round Male Straight



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
POC 03-M3C	POC 04-01C	POC 1/8-M3C	POC 5/32-M6C	POC 1/8-UC	POC 1/4-UC
POC 03-M5C	POC 06-M5C	POC 1/8-M5C	POC 5/32-01C	POC 1/8-N0C	POC 1/4-N0C
POC 03-M6C	POC 06-M6C	POC 1/8-M6C	POC 1/4-M5C	POC 1/8-N1C	POC 1/4-N1C
POC 04-M3C	POC 06-01C	POC 1/8-01C	POC 1/4-M6C	POC 5/32-UC	
POC 04-M5C		POC 5/32-M3C	POC 1/4-01C	POC 5/32-N0C	
POC 04-M6C		POC 5/32-M5C		POC 5/32-N1C	

**PLL-C**  
Extended Male Elbow



MODEL(φD-T)

Tube Metric -Thread R		Tube Inch-Thread R		Tube Inch-Thread NPT	
PLL 03-M3C	PLL 04-01C	PLL 1/8-M3C	PLL 5/32-M6C	PLL 1/8-UC	PLL 1/4-UC
PLL 03-M5C	PLL 06-M5C	PLL 1/8-M5C	PLL 5/32-01C	PLL 1/8-N0C	PLL 1/4-N0C
PLL 03-M6C	PLL 06-M6C	PLL 1/8-M6C	PLL 1/4-M5C	PLL 1/8-N1C	PLL 1/4-N1C
PLL 04-M3C	PLL 06-01C	PLL 1/8-01C	PLL 1/4-M6C	PLL 5/32-UC	
PLL 04-M5C		PLL 5/32-M3C	PLL 1/4-01C	PLL 5/32-N0C	
PLL 04-M6C		PLL 5/32-M5C		PLL 5/32-N1C	