Soft Polyurethane Tubing

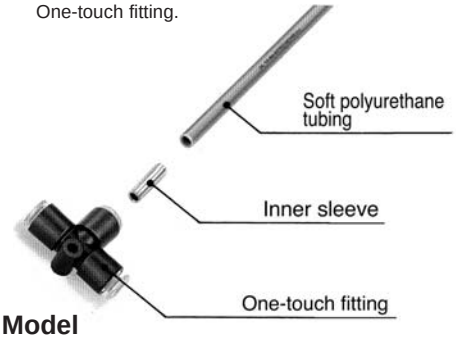
Series TUS



Suitable for piping in confined spaces
Extremely flexible
Soft Polyurethane Tubing

TUS related accessories
Inner Sleeve
Series TJ

Reinforces soft polyurethane tubing.
Insert an inner sleeve into soft polyurethane tubing when used with a One-touch fitting.



Model

Part No.	Applicable tube model	Length
TJ-0425	TUS0425	18
TJ-0604	TUS0604	19
TJ-0805	TUS0805	20.5
TJ-1065	TUS1065	23
TJ-1208	TUS1208	24

Specifications

Material	C2700T (Nickel plated)
Wall thickness	0.2mm

⚠Precautions

**Be sure to read before handling.
Refer to p.0-26 and 0-27 for Safety Instructions and common precautions on the products mentioned in this catalogue, and refer to p.2.0-7 and 2.0-8 for more detailed precautions of every series.**

⚠ Caution

①Use nylon or polyurethane tubing for general industry water to prevent the tubing from coming out or bursting due to possibility of surge pressure generation.
②The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Avoid abnormal temperature rise which may burst the tubing.
③The value of the min. bending radius is at a temperature of 20°C. Higher temperatures allows the tubing to bend more.
④Use inner sleeve taking the removing force into consideration when used with One-touch fittings.

Series Table

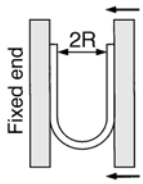
● : 20m roll ☐ : 100m roll

Model	TUS0425	TUS0604	TUS0805	TUS1065	TUS1208
Tube O.D. (mm)	4	6	8	10	12
Tube I.D. (mm)	2.5	4	5	6.5	8
Black (B)	●	●	●	●	●
White (W)	●	●	●	●	●
Red (R)	●	●	●	●	●
Blue (BU)	●	●	●	●	●
Yellow (Y)	●	●	●	●	●
Green (G)	●	●	●	●	●
Opaque (N) (1)	●	●	●	●	●
Yellow brown (YB)	●	●	●	●	●

Specifications

Fluid		Air				
Max. operating pressure		0.6MPa at 20°C				
Burst pressure		Refer to burst pressure characteristics curve.				
Applicable tube fitting		One-touch fitting, Insert tube fitting, Hose nipple (3)				
Min. bending radius (mm) (2)		8	15	15	22	29
Operating temperature		–20 to +60°C (No freezing)				
Material		Polyurethane				
Tube drawing strenght N (Using One-touch fitting)	Without inner sleeve	15	60	60	85	110
	With inner sleeve	80	230	250	300	480

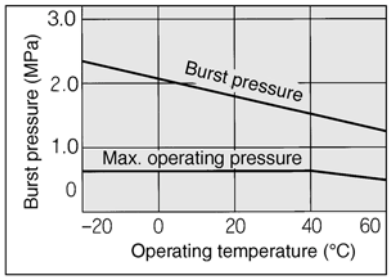
Note1) Not clear but opaque due to material.
Note2) Min. bending radius is measured as shown in the figure below.



Bend the tube into U-form at a temperature of 20°C.
Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.

Note3) Always use inner sleeve (Series TJ) in safety circuit or critical area.

Burst Pressure Characteristics Curve



How to Order

TUS1065 | B | — | 100

Indication of tube model

Colour indication

Symbol	Colour
B	Black
W	White
R	Red
BU	Blue
Y	Yellow
G	Green
N	Opaque
YB	Yellow brown

Length per roll

Symbol	Roll size
20	20m roll
100	100m roll (Black, Blue only)