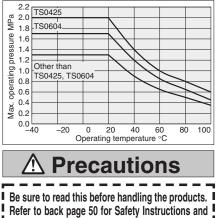
Soft Nylon Tubing TS/TISA Series RoHS

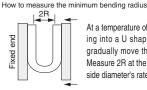
For general pneumatic tubing Pliable soft nylon tubing

Max. Operating Pressure

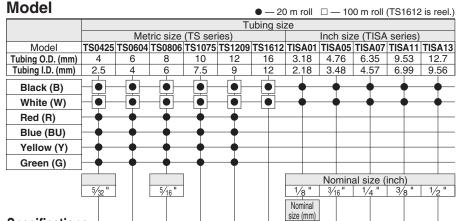


pages 13 to 17 for Fittings and Tubing Precautions.

- 1. Compatible with water due to a change in materials. Compatible fluid types are printed on the tube body for differentiation, so please be sure to check this. Note) If using the previous TS/TISA series with "water", the tube may shrink and cause air leakage or the tube may fall out.
- 2. The products which changed the material are applicable for general industrial water. Please contact SMC if using other kinds of fluid. Surge pressure must be under the max. operating pressure. If the surge pressure exceeds the maximum operating pressure, it will result in damage to fittings and tubes.
- 3. Please exercise caution when using this item in a clean room. There is a possibility of plasticizer and other materials precipitating on the tube surface and detracting from the cleanliness level of the room.



At a temperature of 20°C, bend the tubing into a U shape. Fix one end and gradually move the other end closer. Measure 2R at the point where the outside diameter's rate of change is 10%.



Specifications

Fluid and Applicable fitting size Note 2) Note 3)		Fluid: Air/Water Note 1) Fitting: One-touch fittings, Insert fittings, Self-align fittings, Miniature fittings										
		Fluid: Turbine oil class 1 (ISO VG32) Note 4) Fitting: Insert fittings										
operating pressure	20°C or less	2.0	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	40°C	1.4	1.2	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
	60°C	1.0	0.85	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
	80°C	0.8	0.65	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
	100°C	0.6	0.45	0.35	0.35	0.35	0.4	0.35	0.35	0.35	0.35	0.35
	Min. bending radius	15	23	45	55	65	90	18	27	30	55	65
	Bending value (Reference)	12	17	34	42	50	70	12	15	23	42	50
Operating temperature Note 2)		Air/Oil: -40 to +100°C, Water: 0 to +50°C (No freezing)										
Material		Nylon 12										
mator	iai											

3.2

 Imaterial
 Nyion 12

 Note 1) Refer to the "Printing/Fluid".
 Note 2) Be sure to operate under the maximum operating pressure and operating temperature conditions using the lower specifications of either the tubing or fittings.

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 Note 3) Mount an inner sleeve when using metal One-touch fittings in high-temperature environments of 60°C or more. Use self-align fittings at a temperature of 60°C or less.

 Note 4) • After long-term use, nylon materials may harden.
 • Be sure to use with static piping.

 • After removing a tube from the fitting, be sure to replace it with a brand new tube. Please refrain from reusing tubes.

 • When using an oil other than turbine oil class 1 (ISO VG32), the deterioration of nylon materials may be accelerated due to the added agents.

 Note 5) The minimum bending radius is the representative value measured as shown in the left figure.

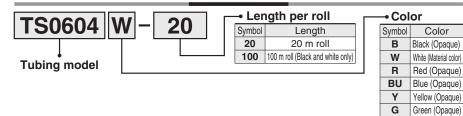
 • Use a tube above the minimum bending radius. Therefore, refer to the bending value and make sure that the tubing is not bent or flattened.

 • Please note that the bending value is not warranted because of the representative value when 2R is measured by the method in the left figure if the tubing is bent or flattened, etc.

Printing/Fluid

	Fluid	
Previous	SMC TS 0604 SOFTNYLON 6 x 4	Air
NEW	● SMC TS 0604 SOFTNYLON 6 x 4	Air/Water

How to Order



Made to Order

	(Please contact SMC for specifications in detail, dimensions, delivery and specifications other than those mention											ose mentioned above.)
100 m reel		Metric size and Inch size except ø16: Suffix "-X3" to the end of part number. Ex.) TS0425R-100-X3										
Longer length reel		Metric size: Suffix "-X3" to the end of part number. Ex.) TS0425G-500-X3										
20 m roll		Inch size: Suffix "-X4" to the end of part number. Ex.) TISA01BU-20-X4										
Made to Order Availability												
Part no.	Length Mode	TS0425	TS0604□	TS0806□	TS1075□	TS1209□	TISA01	TISA05	TISA07	TISA11	TISA13□	Color
	100 m reel	0	0	0	0	0	0	0	0	0	0	Black, White,
Х3	150 m reel				0							Red, Blue,
	200 m reel			0								Yellow. Green
	500 m reel		0									reliow, Green

X4

20 m roll



Red, Blue, Yellow, Green