



T

Metric series T, nylon type, general air tubing is offered in 6 different colors. The T series is available in roll sizes 20m and 100m. The 100-meter rolls are available as standard in black and white only.

TAS

Series TAS is designed for air pressure piping to product or assembly while preventing static electricity. It is made of a conductive nylon + flame resistant nylon material (UL-94 standard, V-0) and is available in black 20m or 100m rolls.



TIA

Inch size nylon tubing, series TIA for general air is available as standard in black or white, 20 meter rolls. Additional colors and roll sizes are available upon request.



TISA

The TISA series is a soft nylon tubing made for general air purposes. TISA is available in inch sizes and comes in a 20m roll as standard and is available in black or white.



TIV

Nylon tubing series TIV is for use in air brake systems on heavy duty vehicles along with instrumentation and secondary air systems. TIV is rated to all applicable industry standards. A variety of tube sizes and colors are available. Type A is available in 1/8", 5/32" and 1/4" sizes (non-reinforced) and type B is available in 3/8", 1/2", 5/8" and 3/4" sizes (reinforced).



TRS

Flame resistant TRS soft nylon tubing (Equivalent to UL-94 Standard V-0), is available in 20 and 100 meter rolls. The TRS series is applicable for general air pressure and water in a spark atmosphere such as spot welding. Available colors include black, white, red, blue and green.



TS

Series TS, for general air pressure, Soft Nylon tubing, is available in 6 different colors and 2 roll sizes. 100 meter rolls available in black and white only.



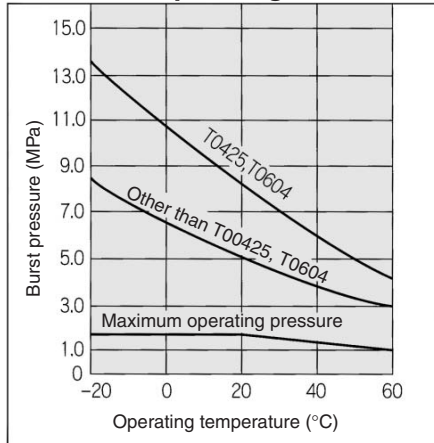
Nylon Tubing

Series T/TIA



For general pneumatic tubing, Nylon tubing

Burst Pressure Characteristics Curve and Operating Pressure



⚠ Precautions

Be sure to read before handling. Refer to pages 15-18-3 to 4 for Safety Instructions and Common Precautions on the products mentioned in this catalog, and refer to pages 15-1-10 to 11 for Precautions on every series.

⚠ Caution

- Applicable for general industrial water. Please consult with 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.
- The value of the max. operating pressure is at a temperature of 20°C. Refer to the burst pressure characteristics curve for other temperatures. Furthermore, abnormal temperature rises caused by adiabatic compression may result in the burst of the tube.

Model/Specifications

● — 20 m roll □ — 100 m roll (T1613 is reel.)

Model	Tubing size												
	Metric size (Series T)							Inch size (Series TIA)					
	T0425	T0403	T0604	T0645	T0806	T1075	T1209	T1613	TIA01	TIA05	TIA07	TIA11	TIA13
Tubing O.D. (mm)	4	4	6	6	8	10	12	16	3.18	4.76	6.35	9.53	12.7
Tubing I.D. (mm)	2.5	3	4	4.5	6	7.5	9	13	2.18	3.48	4.57	6.99	9.56
Black (B)	□	●	□	●	□	●	□	●	●	●	●	●	●
White (W)	□	●	□	●	□	●	□	●	●	●	●	●	●
Red (R)	●	●	●	●	●	●	●	●	●	●	●	●	●
Blue (BU)	●	●	●	●	●	●	●	●	●	●	●	●	●
Yellow (Y)	●	●	●	●	●	●	●	●	●	●	●	●	●
Green (G)	●	●	●	●	●	●	●	●	●	●	●	●	●
	5/32"				5/16"				Nominal size (inch)				
									1/8"	3/16"	1/4"	3/8"	1/2"
Fluid	Air/Water												
Max. operating pressure (at 20°C)	1.5 MPa												
Burst pressure	Refer to the burst pressure characteristics curve.												
Min. bending radius (mm)	13	25	24	36	48	60	75	100	15	20	30	60	75
Operating temperature	-20 to +60°C (Water: 0 to 40°C) (No freezing)												
Material	Nylon 12												

How to Order

T0425 B 20

Tubing model

Color

Symbol	Color	Symbol	Color
B	Black	BU	Blue
W	White	Y	Yellow
R	Red	G	Green

Length per roll

Symbol	Length *
20	20 m roll
100	100 m roll (Black and white only)

Made to Order

(Please contact SMC for specifications in detail, dimensions, delivery and specifications other than those 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	Model	T0425 *	T0604 *	T0806 *	T1075 *	T1209 *	TIA01 *	TIA05 *	TIA07 *	TIA11 *	TIA13 *	Color
X3	100 m reel		○	○	○	○	○	○	○	○	○	○	Black, White, Red, Blue, Yellow, Green
	150 m reel					○							
	200 m reel				○								
	500 m reel		○	○									
X4	20 m roll							○	○	○	○	○	Red, Blue, Yellow, Green