# IC TUBING SELECTION GUIDE

We offer several of the most common thermoplastic tubing compounds used in industrial and pneumatic applications. Each thermoplastic compound exhibits different characteristics that need to be taken into consideration when selecting tubing for any application. Becoming familiar with the different features and advantages of each tubing compound will be most beneficial in the selection process. Here are seven basic categories of questions to help start the selection process:

- 1. What are the PRESSURE & TEMPERATURE limits of the application the tubing will be used in?
- What is the MEDIA running through the tubing?
- 3. What type of FITTINGS will be used with the tubing?
- 4. What are the required PHYSICAL FEATURES of the tubing?
- 5. What are the REGULATORY REQUIREMENTS the tubing must comply to?
- 6. What must the tubing be RESISTANT to?
- 7. What are the COST guidelines?

#### 1. PRESSURE & TEMPERATURE EXPOSURE

The pressure rating of thermoplastic tubing is determined by testing the short term bursting pressure at 75° F. The working pressure is calculated as a ratio of the burst pressure by dividing the burst pressure by an appropriate safety factor. The 3-to-1 or 4-to-1 safety factors are commonly used depending upon the severity of the application.

Example: If tubing burst pressure is 450 PSI at 75° F, the working pressure with a 3-to-1 safety factor is 150 PSI, or with a 4-to-1 safety factor the working pressure would be 112 PSI. Safety factors of less than 3-to-1 are not recommended.

Temperature has a definite impact upon the burst and working pressure of thermoplastic tubing. consideration should be given when operating in elevated temperatures, especially temperatures approaching the maximum limits of the particular tubing compound. Note: Reinforced tubing can offer significantly higher pressure ratings.

#### 2. MEDIA

The best advice is always thoroughly test and understand the chemical resistance of your tubing. Varying temperatures. mixina chemicals and environmental conditions can significantly alter performance of thermoplastic tubing. We offer samples whenever possible to assist with your in-house testing.

#### 3. FITTINGS

There are three basic types of fittings used on thermoplastic tubing. They are categorized as barbed fittings, compression fittings and push-to-connect or push-in fittings. Each fitting offers different features and benefits. It is very important that the tubing selected be compatible with the type of fitting it is to be installed with.

#### 4. PHYSICAL FEATURE CRITERIA

Four of the most common physical properties considered in the tubing selection process are flexibility, kink resistance, clarity and color availability. The best way to fully understand the difference in flexibility and kink resistance is to compare samples.

#### 5. REGULATORY REQUIREMENTS

There are applications that require that tubing comply with various agency regulations. Some more common compliance requests include:

FDA Food & Drug Administration NSF National Sanitation Foundation USP Class VI (U.S. Pharmaceutical) USDA U.S. Dept. of Agriculture U.L. Underwriters Laboratory

Some regulations are very general, while others are very specific. Due to the complexity of many of the requirements, we strongly urge you to consult our technical service engineers with your exact application for assistance. Responsibility for final application will remain with the user.

#### 6. RESISTANCES

This broad category of tubing characteristics deals mostly with the environmental or working conditions the tubing will be exposed to. Besides the usual resistance to various chemicals, some other considerations are: Abrasion, Moisture, Flammability, Kinking, Vermin, Ultraviolet Light, Bacteria and Fungus.

Often overlooked, these environmental factors can contribute to premature tubing failures. If your application has the potential to cause severe damage or injury with a failure, CAREFUL SELECTION and STRINGENT TESTING ARE MANDATORY.

### 7. COSTS

If more than one tubing compound will adequately serve the application, then tubing costs might factor into the decision. Tubing is a relatively low cost item, and its true value is found in long and trouble free service.





# **Polyurethane Tubing**



Coilhose Pneumatics offers Polyurethane Tubing made from an ether (polytetra-methylene glycol ether) based compound, which will not hydrolyze or degrade when exposed to water. Polyurethane has become a popular choice for tubing due to its extreme flexibility and resistance to kinking. In addition, it stands up very well to fuels and oils. Compatible with Coilock fittings (pages 73 - 74) and Poly-Tube fittings (page 75).

#### **Standard Size Ordering information**

	O.D. x I.D.	Wall Thickness	Working Pressure at 75° F	Tube Length	Model	Color Code Suffix
1/8" x 1/16"				50'	PT0203-50_	K, X, R,
1000'				250'	PT0203-250_	G, B, Y, Q,
1/4" x 1/8"   .045"   .045"   .045"   .045"   .062"   .062"   .062"   .079"   .062"   .079"   .062"   .079"   .062"   .079"   .062"   .079"   .062"   .079"   .062"	1/8" x 1/16"	.031"	233 PSI	500'	PT0203-500_	W, P, LX,
100'				1000'	PT0203-1000_	TC, TR,
5/32" x 3/32"  176 PSI  400' PT02503-400_ PT02503-1000 P, TC,TR 100' PT0406-100_ 1/4" x 1/8"  100' PT0406-500_ PT0406-500_ Y, Q, W, TC, 1000' PT0406-1000 TG, TB, TY  1000' PT0406-1000 TG, TB, TQ  1000' PT0404-1000 TR, TG, TB, TY  1000' PT0606-100_ TR, TG, TB, TY  15/32" x 5/16" 0.079" 133 PSI 50' PT0707-50_ PT0707-50_ TC, TR, TG, TB, TY  1/2" x .320" 0.90" 140 PSI 50' PT0809-50_ TC, TR, TG, TB, TY  1/2" x .38" 0.994" 133 PSI 50' PT0809-50_ TC, TB  175, TG, TB, TY  175, TB, TY				2500'	PT0203-2500_	TG,
1000'				100'	PT02503-100_	K, X, R,
1/4" x 1/8"   .062"   194 PSI   500'   PT0406-100_   K, X, R, G, B, Y, Q, W, TC, 1000'   PT0406-500_   Y, Q, W, TC, 1000'   PT0406-500_   TG, TB, TQ	5/32" x 3/32"	.031"	176 PSI	400'	PT02503-400_	G, B, Y, Q, W
1/4" x 1/8"   .062"   194 PSI   500'   PT0406-100_   Y, Q, W, TC, 1000'   PT0406-1000_   TG, TB, TQ				1000'	PT02503-1000_	P, TC,TR
1/4" x 1/8"       .062"       194 PSI       500'       PT0406-500_       Y, Q, W, TC, 1000'       TG, TB, TQ         1/4" x .160"       .045"       148 PSI       500'       PT0404-100_       K, X, R, G, B, Y, Q, W, P, NG, TC, 1000'       Q, W, P, NG, TC, TB, TY         3/8" x 1/4"       .062"       147 PSI       100'       PT0404-1000_       K, X, R, G, B, Y, W, TC, TB, TY         15/32" x 5/16"       .079"       133 PSI       50'       PT0606-500_       NP, NG, TC, TB, TY         1/2" x .320"       .090"       140 PSI       50'       PT0707-250_       K, X, R, G, B, Y, Q, W, D, CT, TB, TY         9/16" x 3/8"       .094"       133 PSI       50'       PT0809-250_       K, R, B, Y, NG         9/16" x 3/8"       .094"       133 PSI       50'       PT0909-50_       K, R, G, B, Y, NG				2500'	PT02503-2500_	TG, TB, TY
1000'   PT0406-1000   TG, TB, TQ   100'   PT0404-100_   K, X, R, G, B, Y,				100'	PT0406-100_	K, X, R, G, B,
1/4" x .160"	1/4" x 1/8"	.062"	194 PSI	500'	PT0406-500_	Y, Q, W, TC,
1/4" x .160"     .045"     148 PSI     500' PT0404-500_ 1000'     Q, W, P, NG, TC, 1000'       3/8" x 1/4"     .062"     147 PSI     100' PT0606-100_ K, X, R, G, B, Y, W, 500'     NP, NG, TC, TB, TY       15/32" x 5/16"     .079"     133 PSI     50' PT0707-50_ K, X, R, G, B, Y, Q, W, 250'     PT0707-250_ P, TC, TR, TG, TB, TY       1/2" x .320"     .090"     140 PSI 50' PT0809-50_ TC, TB     K, R, B, Y, 250' PT0809-250_ TC, TB       9/16" x 3/8"     .094"     133 PSI 50' PT0909-50_ K, R, G, B, Y, NG 200' PT0909-200_ TC, TB, TY				1000'	PT0406-1000_	TG, TB, TQ
1000'   PT0404-1000   TR, TG, TB, TY				100'	PT0404-100_	K, X, R, G, B, Y,
3/8" x 1/4"     .062"     147 PSI     100'     PT0606-100_     K, X, R, G, B, Y, W, 500'       15/32" x 5/16"     .079"     133 PSI     50'     PT0707-50_     K, X, R, G, B, Y, Q, W, 250'       1/2" x .320"     .090"     140 PSI     50'     PT0809-50_     K, R, B, Y, TC, TB, TY       9/16" x 3/8"     .094"     133 PSI     50'     PT0809-50_     K, R, G, B, Y, NG       200'     PT0909-200_     TC, TB, TY	1/4" x .160"	.045"	148 PSI	500'	PT0404-500_	Q, W, P, NG, TC,
15/32" x 5/16"   .079"   133 PSI   50'   PT0606-500   NP, NG, TC, TB, TY				1000'	PT0404-1000_	TR, TG, TB, TY
15/32" x 5/16" .079" 133 PSI 50' PT0707-50_ K, X, R, G, B, Y, Q, W, 250' PT0707-250 P, TC, TR, TG, TB, TY  1/2" x .320" .090" 140 PSI 50' PT0809-50_ K, R, B, Y,  250' PT0809-250_ TC, TB  9/16" x 3/8" .094" 133 PSI 50' PT0909-50_ K, R, G, B, Y, NG 200' PT0909-200_ TC, TB, TY	3/8" x 1/4"	.062"	147 PSI	100'	PT0606-100_	K, X, R, G, B, Y, W,
250' PT0707-250 P, TC, TR, TG, TB, TY  1/2" x .320" .090" 140 PSI 50' PT0809-50 K, R, B, Y, 250' PT0809-250 TC, TB  9/16" x 3/8" .094" 133 PSI 50' PT0909-50 K, R, G, B, Y, NG 200' PT0909-200 TC, TB, TY				500'	PT0606-500_	NP, NG, TC, TB, TY
1/2" x .320"     .090"     140 PSI     50'     PT0809-50_     K, R, B, Y,       250'     PT0809-250_     TC, TB       9/16" x 3/8"     .094"     133 PSI     50'     PT0909-50_     K, R, G, B, Y, NG       200'     PT0909-200_     TC, TB, TY	15/32" x 5/16"	.079"	133 PSI	50'	PT0707-50_	K, X, R, G, B, Y, Q, W,
9/16" x 3/8" .094" 133 PSI 50' PT0809-250_ TC, TB K, R, G, B, Y, NG 200' PT0909-200_ TC, TB, TY				250'	PT0707-250_	P, TC, TR, TG, TB, TY
9/16" x 3/8" .094" 133 PSI 50' <b>PT0909-50_</b> K, R, G, B, Y, NG 200' <b>PT0909-200_</b> TC, TB, TY	1/2" x .320"	.090"	140 PSI	50'	PT0809-50_	K, R, B, Y,
200' <b>PT0909-200_</b> TC, TB, TY				250'	PT0809-250_	TC, TB
	9/16" x 3/8"	.094"	133 PSI	50'	PT0909-50_	K, R, G, B, Y, NG
3/4" x .467" .141" 145 PSI 150' <b>PT1214-150_</b> R, B, Y, TC, TB				200'	PT0909-200_	TC, TB, TY
	3/4" x .467"	.141"	145 PSI	150'	PT1214-150_	R, B, Y, TC, TB

#### **Metric Size Ordering Information**

100' <b>PT0306-10</b>	<del>-</del>
	_
3.0 x 1.8 .6 mm 160 PSI 500' <b>PT0306-50</b>	U_ N, IC
1000' <b>PT0306-10</b>	00_
2500' <b>PT0306-25</b>	00_
100' <b>PT0408-10</b>	<b>0_</b> K, X, R,
4.0 x 2.4 .8 mm 176 PSI 400' <b>PT0408-40</b>	<b>0_</b> G, B, Y, Q, W
1000' <b>PT0408-10</b>	<b>00_</b> P, TC,TR
2500' <b>PT0408-25</b>	<b>00_</b> TG, TB, TY
100' <b>PT0610-10</b>	<b>0_</b> K, X, R, G, B,
6.0 x 4.0 1.0 mm 145 PSI 500' <b>PT0610-50</b>	<b>0_</b> Y, Q, W, TC,
1000' <b>PT0610-10</b>	<b>00_</b> TG, TB
8.0 x 5.0 1.5 mm 155 PSI 100' <b>PT0815-10</b>	<b>0_</b> K, R, B, W, Y,
500' <b>PT0815-50</b>	<b>0_</b> NG, TC, TB
10.0 x 6.5 1.75 mm 149 PSI 50' <b>PT1017-50</b>	_ K, R, G, B
500' <b>PT1017-50</b>	<b>0_</b> Y, TC, TB
12.0 x 8.0 2.0 mm 133 PSI 50' <b>PT1220-50</b>	_ K, R, B, Y, W,
250' <b>PT1220-25</b>	<b>0_</b> NG, TC, TB

Color	Key Code -
Standard	& Metric Sizes

<b>K</b>
<b>X</b>
<b>R</b>
<b>G</b>
<b>B</b> Blue
YYellow
Q Orange
<b>W</b>
<b>P</b>
LXLight Gray
NG Neon Green
TCTransparent Clear
TRTransparent Red
TGTransparent Green
TBTransparent Blue
TYTransparent Yellow
TQTransparent Orange

### **Specifications**

Temperature Range: ..-40° F to +165° F
Vacuum Rating: ... To 28" Hg.
Diameter Tolerances: .1/8" - 9/16" +/- .005"
3/4" +/- .007"
Working Pressure: ... 3 to 1 Safety Factor
Compliance: ... NSF61, Meets UL94HB
UV Stabilized: ... Yes





## Multi-Color Ribbon Tubing

Multi-Color Ribbon Tubing, commonly known as MCR, is a cost effective method of routing two or more tubing lines. Made from 95 durometer Polyurethane, MCR can be installed faster than other jacketing options. MCR color codes tubing lines for identification, tracing or troubleshooting. MCR will withstand the rigors of flexing, yet can be easily separated for routing. See pages 73 - 75 for fitting options.



Specifications
Temperature Range:40° F to +165° F
Vacuum Rating:To 28" Hg.
Diameter Tolerances:1/8" - 9/16" +/005"
3/4" +/007"
Working Pressure: 3 to 1 Safety Factor
Compliance: NSF61, Meets UL94HB
UV Stabilized: Yes

### BENEFITS

- Saves material costs and cuts installation time.
- Color tubes identify lines
- Excellent alternative to tie wraps & jackets.

### Standard Size Ordering Information

Tube Size	Tubes	Length	Colors	Model
1/4" x .160	Twin	vin 50' Red-Blue		PT0404-50RB
1/4" x .160	Twin	100'	Red-Blue	PT0404-100RB
1/4" x .160	Quad	50'	Red-Blue / White-Clear	PT0404-50RBWC
1/4" x .160	Quad	100'	Red-Blue / White-Clear	PT0404-100RBWC
3/8" x 1/4"	Twin	50'	Red-Blue	PT0606-50RB
3/8" x 1/4"	Twin	100'	Red-Blue	PT0606-100RB
3/8" x 1/4"	Quad	50'	Red-Blue / White-Clear	PT0606-50RBWC
3/8" x 1/4"	Quad	100'	Red-Blue / White-Clear	PT0606-100RBWC

### **Nylon Tubing**

Coilhose Pneumatics offers high quality Nylon 11 Tubing for applications requiring low density, lightweight toughness, flexibility and chemical resistance. Its dimensional stability makes it compatible with Coilock Fittings as shown on page 73 - 74 and Poly-Tube Fittings as shown on page 75. Lengths of 100 feet are packaged in plastic bags; longer lengths are on reels.



#### **Standard Size Ordering Information**

Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
1/8"	.093"	.016"	225 PSI	100'	NC0216-100_
1/8"	.093"	.016"	225 PSI	500'	NC0216-500_
1/8"	.093"	.016"	225 PSI	1000'	NC0216-1000_
1/8"	.093"	.016"	225 PSI	2500'	NC0216-2500_
5/32"	.106"	.025"	275 PSI	100'	NC2525-100_
5/32"	.106"	.025"	275 PSI	1000'	NC2525-1000_
5/32"	.106"	.025"	275 PSI	2500'	NC2525-2500_
3/16"	.138"	.025"	225 PSI	100'	NC0325-100_
3/16"	.138"	.025"	225 PSI	500'	NC0325-500_
3/16"	.138"	.025"	225 PSI	2000'	NC0325-2000_
1/4"	.170"	.040"	265 PSI	100'	NC0440-100_
1/4"	.170"	.040"	265 PSI	500'	NC0440-500_
1/4"	.170"	.040"	265 PSI	1000'	NC0440-1000_
1/4"	.180"	.035"	250 PSI	100'	NC0435-100_
1/4"	.180"	.035"	250 PSI	500'	NC0435-500_
1/4"	.180"	.035"	250 PSI	1000'	NC0435-1000_
5/16"	.232"	.040"	220 PSI	100'	NC0540-100_
5/16"	.232"	.040"	220 PSI	500'	NC0540-500_
3/8"	.275"	.050"	220 PSI	100'	NC0650-100_
3/8"	.275"	.050"	220 PSI	500'	NC0650-500_
1/2"	.375"	.062"	200 PSI	100'	NC0862-100_
1/2"	.375"	.062"	200 PSI	250'	NC0862-250_
1/2"	.375"	.062"	200 PSI	500'	NC0862-500_

Complete model number by adding suffix for required color:

Black: K Blue: B Green: G Natural: N Red: R Yellow: Y

#### Metric Size Ordering Information

Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
4.0 mm	2.7 mm	2.7 mm .65 mm		100'	NC0465-100_
4.0 mm	2.7 mm	.65 mm	275 PSI	1000'	NC0465-1000_
4.0 mm	2.7 mm	.65 mm	275 PSI	2500'	NC0465-2500_
5.0 mm	3.0 mm	1.0 mm	375 PSI	100'	NC0510-100_
5.0 mm	3.0 mm	1.0 mm	375 PSI	1000'	NC0510-1000_
6.0 mm	4.0 mm	1.0 mm	280 PSI	100'	NC0610-100_
6.0 mm	4.0 mm	1.0 mm	280 PSI	1000'	NC0610-1000_
8.0 mm	6.0 mm	1.0 mm	210 PSI	100'	NC0810-100_
8.0 mm	6.0mm	1.0 mm	210 PSI	500'	NC0810-500_
10.0 mm	8.0 mm	1.0 mm	180 PSI	100'	NC1010-100_
10.0 mm	8.0 mm	1.0 mm	180 PSI	500'	NC1010-500_
12.0 mm	10.0 mm	1.0 mm	165 PSI	100'	NC1210-100_
12.0 mm	10.0 mm	1.0 mm	165 PSI	250'	NC1210-250_
12.0 mm	10.0 mm	1.0 mm	165 PSI	500'	NC1210-500_

Complete model number by adding suffix for required color: METRIC ONLY Black:K Natural:N

Specifications								
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remperature Range:	60° F to +200° F
Vacuum Rating:	.To 28" Hg.
Diameter Tolerances:	.0.002"; -0.004" All inch sizes;
	+0.051 mm;1 mm All Metric sizes
Hardness:	.78 Rockwell R
Working Pressure:	.4 to 1 Safety Factor
Compliance:	.Meets UL94HB
UV Stabilized:	.Yes

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WEST: 1730 NE Miller Street, McMinnville, OR 97128 • 503.434.5964





## Polyethylene Tubing



Polyethylene is one of the most popular choices for low pressure tubing due to its resistance to most chemicals and solvents, good flexibility and economical cost. Our PE Tubing is manufactured from high quality resins and extruded to close tolerances. We offer five popular sizes. Compatible with Coilock Fittings (pages 73 - 74) and Poly-Tube Fittings (page 75).

#### **Standard Size Ordering Information**

Tube Tube O.D. I.D.		Wall Thickness	WP at 75° F	Tube Length	Model
1/8"	.062"	.031"	120 PSI	100'	PE021-100
1/8"	.062"	.031"	120 PSI	500'	PE021-500_
1/8"	.062"	.031"	120 PSI	1000'	PE021-1000_
1/8"	.062"	.031"	120 PSI	2500'	PE021-2500_
5/32"	.106"	.025"	166 PSI	100'	PE2510-100_
5/32"	.106"	.025"	166 PSI	250'	PE2510-250_
5/32"	.106"	.025"	166 PSI	1000'	PE2510-1000_
5/32"	.106"	.025"	166 PSI	2500'	PE2510-2500_
1/4"	.170"	.040"	173 PSI	100'	PE0417-100_
1/4"	.170"	.040"	173 PSI	500'	PE0417-500_
1/4"	.170"	.040"	173 PSI	1000'	PE0417-1000_
5/16"	.236"	.038"	125 PSI	100'	PE3103-100_
5/16"	.236"	.038"	125 PSI	500'	PE3103-500_
3/8"	.250"	.062"	192 PSI	100'	PE064-100_
3/8"	.250"	.062"	192 PSI	500'	PE064-500_
1/2"	.375"	.062"	123 PSI	100'	PE086-100_
1/2"	.375"	.062"	123 PSI	250'	PE086-250_
1/2"	.375"	.062"	123 PSI	500'	PE086-500_
5/8"	.50"	.062"	117 PSI	100'	PE106-100_*
5/8"	.50"	.062"	117 PSI	300'	PE106-300_*

Complete model number by adding suffix for required color:

Green: G

Yellow: Y

Black: K Blue: B Natural: N Red: R

\*Only available in Black or Natural.

#### Metric Size Ordering Information

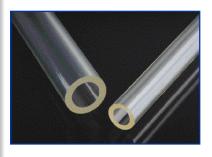
	Micd ic Dize of de			g		
Tube Tube O.D. I.D.		Wall Thickness	WP at 75° F	Tube Length	Model	
	4.0 mm 2.7 mm .65		.65 mm	166 PSI	100'	PE0465-100_
	4.0 mm	2.7 mm	.65 mm	166 PSI	250'	PE0465-250_
	4.0 mm	2.7 mm	.65 mm	166 PSI	1000'	PE0465-1000_
	6.0 mm	4.0 mm	1.0 mm	170 PSI	100'	PE0610-100_
	6.0 mm	4.0 mm	1.0 mm	170 PSI	500'	PE0610-500_
	6.0 mm	4.0 mm	1.0 mm	170 PSI	1000'	PE0610-1000_
	8.0 mm 6.0 mm 1.0 mr		1.0 mm	118 PSI	100'	PE0810-100_
	8.0 mm	6.0mm	1.0 mm	118 PSI	500'	PE0810-500_
	10.0 mm	8.0 mm	1.0 mm	90 PSI	100'	PE1010-100_
	10.0 mm	8.0 mm	1.0 mm	90 PSI	500'	PE1010-500_
	12.0 mm	9.0 mm	1.5 mm	113 PSI	100'	PE1215-100_
	12.0 mm	9.0 mm	1.5 mm	113 PSI	250'	PE1215-250_
	12.0 mm	9.0 mm	1.5 mm	113 PSI	500'	PE1215-500_

Complete model number by adding suffix for required color: METRIC ONLY Black: K Natural: N

#### Specifications

Temperature Range: -40° F to +150° F
Vacuum Rating: To 28" Hg.
Diameter Tolerances: -0.004" all inch sizes;
-0.1 mm all Metric sizes
Hardness: .44 Shore D
Working Pressure: 3 to 1 Safety Factor
Compliance: PDA for food contact

# Polyvinyl (PVC) Tubing



Polyvinyl (PVC) Tubing is a clear, lightweight non-toxic tubing that is more flexible than Nylon and Polyethylene. It is resistant to most chemicals and solvents and can be sterilized repeatedly. PVC is also superior to glass in clarity and flexibility. Coilhose Polyvinyl Tubing eliminates breakage and facilitates repeated, intricate bending. A glass-smooth I.D. prevents sediment accumulation.

Our PVC Tubing complies with government regulations for hospitals and food processing (F.D.A. Standards). Common applications include use in chemical, industrial, laboratory, medical, food and beverage industries.

PVC can be safely used in temperature ranges of -30° F to +150° F. Compatible with Poly-Tube Fittings (page 75) and Hose Barbs (page 76).

#### **Ordering Information**

Tube O.D.	Tube I.D.	Wall Thickness	WP at 75° F	Tube Length	Model
1/8"	1/16"	.031"	60 PSI	100'	PV021-100
1/4"	.170"	.040"	65 PSI	100'	PV0417-100
1/4"	1/8"	.062"	85 PSI	100'	PV042-100
5/16"	3/16"	.062"	73 PSI	100'	PV053-100
3/8"	1/4"	.062"	73 PSI	100'	PV064-100
1/2"	3/8"	.062"	60 PSI	100'	PV086-100
3/4"	1/2"	.125"	60 PSI	100'	PV1208-100

Specifications				
Temperature Range:30° F to +150° F Vacuum Rating: Not Recommended Hardness: 80A Durometer Working Pressure: 3 to 1 Safety Factor Compliance: FDA for food contact				







## Spark-Lin™ Weld Spatter Resistant Tubing

The Spark-Lin Weld Spatter Resistant Tubing is specially designed for applications with incidental contact between weld spatter and tubing. We've combined a blue 95A durometer polyurethane core with a specially formulated flame-retardant jacket to create a tubing that sheds weld spatter before it can do any damage. The cover also meets UL 94 VO requirements, offers strong insulating properties, and resists a wide variety of oils, greases, acids, bases, and aqueous solutions. Also resists ozone, heat aging and ultraviolet light.



#### **Tools Ordering Information:**

Description	Model
Skiving Tool	TS2060
Replacement Blades - 10 pack	TS2060-RB10



#### Ordering Information

O.D.	I.D.	Package Size	Jacket Colors	Bend Radius	Working at 75° F	Pressure at I50° F	Pounds/ IOO'	Model
5/32"	.093"	100' Bag	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-100K
5/32"	.093"	500' Bag	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-500K
5/32"	.093"	1000' Reel	Black	3/8"	176 PSI	88 PSI	0.8	WS2503-1000K
1/4"	.160"	100' Bag	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-100K
1/4"	.160"	250' Bag	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-250K
1/4"	.160"	1000' Reel	Black	1/2"	148 PSI	74 PSI	1.6	WS0404-1000K
3/8"	.245"	100' Bag	Black	7/8"	147 PSI	74 PSI	3.6	WS0606-100K
3/8"	.245"	500' Reel	Black	7/8"	147 PSI	74 PSI	3.6	WS0606-500K
1/2"	.320"	50' Bag	Black	1 7/8"	140 PSI	70 PSI	5.2	WS0809-50K
1/2"	.320"	200' Reel	Black	1 7/8"	140 PSI	70 PSI	5.2	WS0809-200K

## D.O.T. Tubing

This Type "A" non-reinforced Air Brake tubing is ideal for connecting instrumentation or pneumatic accessories to a vehicle's air brake system. Made of Nylon 11 and heat- and light-stabilized. Available in a variety of colors and in 500' and 1,000' lengths on easy-to-dispense reels.



#### Ordering Information

Tube O.D.	Bend Radius	Burst Pressure at 75° F	Weight Per IOO ft.	Reel Length	Model
1/8"	3/8"	1000 PSI	.34 lbs.	1000'	DOT18-1000
5/32"	1/2"	1200 PSI	.57 lbs.	1000'	DOT532-1000
3/16"	3/4"	1200 PSI	.77 lbs.	1000'	DOT316-1000
1/4"	1"	1200 PSI	1.21 lbs.	1000'	DOT14-1000
5/16"	1 1/4"	1000 PSI	1.57 lbs.	500'	DOT516-500

Note: The "A" signifies nonreinforced D.O.T. tubing.

Complete model number by adding suffix for required color: Black: K Blue: B Green: G Orange: O Red: R Yellow: Y

#### **FEATURES**

- Meets SAE specifications J844 Type "A".
- Heat- and light-stabilized.
- Available on easy-to-dispense reels.

### Specifications

Temperature Range: . . . . . -40° F to +200° F Max. Working Pressure: . . . . 150 PSI

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WEST: 1730 NE Miller Street, McMinnville, OR 97128 • 503.434.5964





## **Tubing Cutter**



**Ordering Information:** 

Description	Model
Tubing Cutter -black Tubing Cuter - blue Tubing Cutter - red Tubing Cutter - black with leash Tubing Cutter - counter top display Replacement Blade - single Replacement Blades - 5 pack Replacement Blades - 10 pack	PXC058 PXC058B PXC058R PXC058-L PXC058-DB* PXC059 PXC059-P5 PXC059-P10

Our Plastic Tubing Cutter is designed to be the most efficient and accurate tubing cutter available. It provides a square cut without deforming the tubing to allow a more secure connection into the fitting. It's durable enough to cut hard plastic tubing yet lightweight and small enough for convenient storage. Ideal for Nylon, Polyurethane, Polyethylene and most other plastic tubing. Our cutter will cut 1/8" O.D. through 3/4" O.D. tubing.

For added convenience, we offer the cutter with a coiled leash so it can be permanently attached to a designated location. This helps to avoid misplacing the cutter.

### **Hose Cutter**



Ordering Information:

Description	Model
Hose Cutter Replacement Blade	PXC098R PXC099
Replacement Blade - 10 pack	PXC099-10

The Coilhose Hose Cutter will accurately and easily cut hose or tubing up to 1 1/4" in diameter. Its ergonomically designed handle, made from durable high impact plastic, provides the user with a sure and comfortable grip, and minimizes fatigue. A corrosion-resistant heavy steel blade allows even braided hose to be cut clean and straight with minimum effort. Cuts without burring, allowing a leak-free fitting connection. Blade can be reversed to extend its cutting life. Steel clip keeps jaws locked in the closed position. Ideal for tough industrial applications. Hose Cutter length is 8 1/2".

### Tube Channels

Tube Channels provide a convenient method of organizing, routing and securing tubing lines. They also make it easier to follow and trace multiple runs of tubing. There are two configurations of Tubing Channel to choose from:



#### **Ordering Information**

Tube O.D. (inch)	Tube O.D. (Metric)	No. of Channels	Model
5/32"	4.0 mm	10	TC5-10
3/16"	4.75 mm	10	TC3-10
1/4"	6.35 mm	10	TC4-10
3/8"	9.52 mm	7	PTC6-7
3/8"	9.52 mm	10	PTC6-10
1/2"	12.70 mm	6	PTC8-6

Smaller O.D. Tubing: 5/32" - 1/4" / 4.0 mm - 6.35 mm
This smaller style 10 Tube Channel is supplied with an adhesive backing for quick and easy mounting.
Countersunk holes sized for number 4 screws are also provided on each channel section. The channel is designed to be easily cut to accommodate between 1 and 10 tubes.

Larger O.D. Tubing: 3/8" - 1/2" / 9.52 mm - 12.70 mm This larger style Tube Channel has screw mounting holes in the lips on each end. They are available with different numbers of channel slots to fit various application needs.







<sup>\*</sup> Includes four PXC058 (black), three PXC058B (blue) and three PXC058R (red) tubing cutters in a 5 3/4" wide x 3/4" deep x 6" high display box.