



CLIPPARD HOSE & TUBING

hose \ `hōz \ **n** : a flexible tube for conveying gases or fluids

tubing \ `t(y)u-bing \ **n** : a stiff material in the form of a tube used for conveying gases or fluids

Do you use a garden tube?

The answer to the question of whether to call it a tube or a hose rests on a fine line, one many people have gotten tangled up in. In both definitions it clearly states that a tube and a hose are used for conveying fluids, yet sometimes one word seems to fit the situation (and the application) better than the other. So remember...

*It's a hose when it's flexible
and a tube when it's not.*

Clippard offers a variety of miniature hose and tubing from copper and nylon tubing to flexible urethane, vinyl and Buna-N hose. The chart below lists these products and their available colors and lengths.



Hose or Tubing Type	Size: OD x ID	Colors: Solid	Translucent
NYT1 - single nylon tubing	0402 - 1/8 x 1/16	BLS - blue	BLT - blue
VYH1 - single vinyl hose	0403 - 1/8 x 3/32	BKS - black	CLT - clear
VYH2 - dual vinyl hose	0503 - 5/32 x 3/32	BRS - brown	GNT - green
URH1 - single 85 duro. urethane hose	0804 - 1/4 x 1/8	GNS - green	PUT - purple
URH2 - dual 85 duro. urethane hose	0805 - 1/4 x .160	GYS - gray	ORT - orange
URH8 - ribbon 85 duro. urethane hose	1208 - 3/8 x 1/4	NAS - natural	RDT - red
URT1 - single 95 duro. urethane tubing	Metric Sizes	ORS - orange	02T - BLT/GNT/GYS/ORT/ PUT/RDT/WH/SLT (ribbon only)
PET1 - single polyethylene tubing	0604M - 6mm x 4mm	RDS - red	
		WH/SL - white	
		YLS - yellow	
		01S - GYS/BKS (dual only)	

Available Lengths
050 - 50 ft roll
500 - 500 ft spool

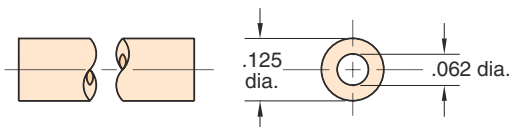
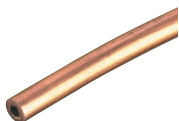
This chart is to be used as an explanation of our ordering system. See individual listings following this page for sizes and colors available.

CLIPPARD HOSE & TUBING



3811-1

1/8 O.D. Copper Tubing



Material: High pressure copper

Working Pressures: to 2500 psig

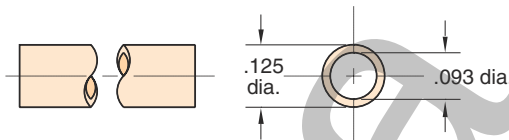
Static Burst Pressure: over 10,000 psig

Lengths Available: 50 ft

Use With: Ferrule tubing connectors #'s: 3810-1
3810-2
11923

NYT1-0403-CLT-□

1/8 O.D. Nylon Tubing
(Former Part No. 3814-2)



Material: Semi-flexible nylon tubing

Color: Clear / Translucent

Working Range: to 250 psig

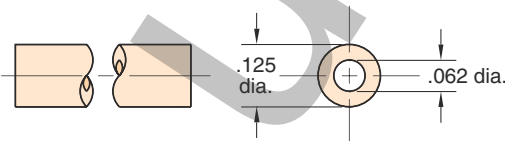
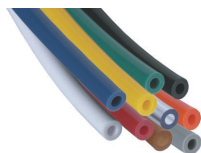
Static Burst Pressure: Approx. 1000 psig

Use With: Ferrule tubing connectors : 11923
3810-1
3810-2

Forming: May be formed into sharp corners with heat
Lengths Available: 50 and 500 feet

VYH1-0402-□-□

1/8 O.D. Miniature Vinyl Hose
(Former Part No. 3814-5)



Type: Flexible, durable vinyl plastic hose

Working Range: 0 to 105 psig at 70°F maximum 60 psig at 80°F or above (max. temp. 100°F)

Color: Solid: Gray, yellow, red, blue, green, black, white, brown, orange
Translucent: Clear

Use With: Hose Fittings: 11752-2 and clamp 5000-4

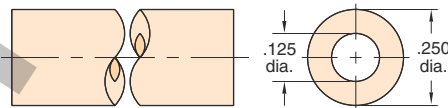
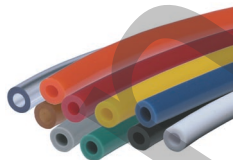
Lengths Available: 50 and 500 feet

Note:

Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, clear will be furnished.

VYH1-0804-□-□

1/4 O.D. Vinyl Hose
(Former Part No. 3814-1)



Working Range: 0 to 105 psig at 70°F maximum 60 psig at 80°F or above (max. temp. 100°F)

Use With: Hose fittings: 11752-1, 11752-3 and 11924
Hose clamps: 5000-2

Bend Radius: 3x hose dia.

Color: Solid: Gray, yellow, red, blue, green, black, white
Translucent: Clear

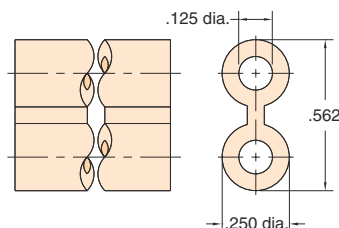
Lengths Available: 50 and 500 feet

Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

VYH2-0804-01S-□

Twin Vinyl Hose
(Former Part No. 3814-3)



Type: Flexible, durable vinyl plastic hose, but two hoses molded together, one side has rib entire length for identification

Color: Solid: Gray / Black

Use Clamp: 5000-1

Working Range: 0 to 150 psig at 70°F maximum 60 psi at 80°F or above (max. temp. 100°F)

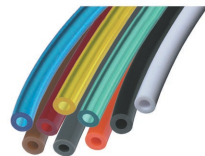
Use: Ideal for feeding supply in on one line and out on the other, reduces labor; makes neat assembly; may be parted with any sharp cutting edge

Lengths Available: 50 and 500 feet

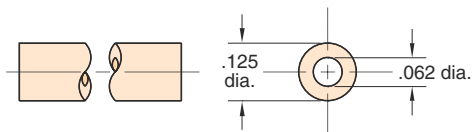


CLIPPARD HOSE & TUBING

URH1-0402-□-□



1/8 O.D. Polyurethane Hose
(Former Part No. 3814-7)



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Black, brown, white, gray
Translucent: Clear, blue, green, orange, red, yellow

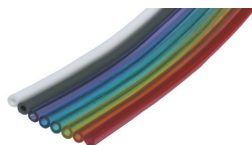
Lengths Available: 50 and 500 feet

Note: In normal application hose clamps are not required with hose when used with Clippard hose barb fittings

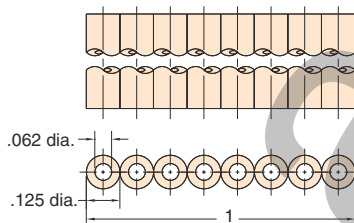
Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

URH8-0402-02T-□



1/8 O.D. Polyurethane Ribbon Hose
(Former Part No. 3814-9)



Type: Flexible, durable urethane hose

Working Range: 0 to 105 psig at 100°F maximum 120°F

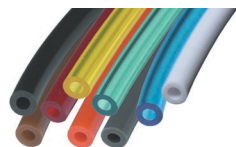
Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Gray, white
Translucent: Blue, green, orange, purple, red, yellow

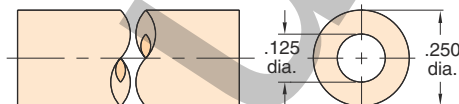
Lengths Available: 50 feet

Note: In normal application, hose clamps are not required with hose when used with Clippard hose barb fittings

URH1-0804-□-□



1/4 O.D. Polyurethane Hose
(Former Part No. 3814-6)



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 425 psig at 70°F

Color: Solid: Black, brown, white, gray
Translucent: Clear, blue, green, orange, red, yellow

Lengths Available: 50 and 500 feet

Bend Radius: 2x hose dia.

Note: In normal application hose clamps are not required with hose when used with Clippard hose barb fittings

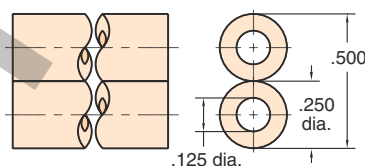
Note:

Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, clear will be furnished.

URH2-0804-01S-□



1/4 O.D. Twin Polyurethane Hose
(Former Part No. 3814-13)



Working Range: 0 to 105 psig at 100°F

Static Burst Pressure: Approximately 425 psig at 70°F

Color: Solid: Gray and black combination

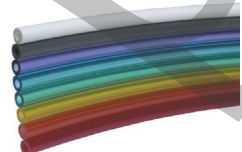
Lengths Available: 50 and 500 feet

Bend Radius: 2x hose dia.

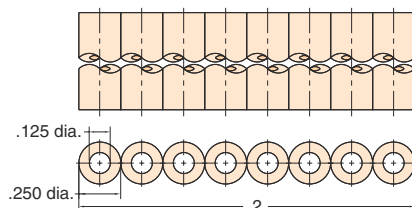
Use: Ideal for feeding supply in on one line and out on the other; reduces labor; makes neat assembly; may be parted with any sharp cutting edge

Note: In normal application, hose clamps are not required with 3814-13 hose when used with Clippard hose barb fittings

URH8-0804-02T-□



1/4 O.D. Polyurethane Ribbon Hose
(Former Part No. 3814-12)



Type: Flexible, durable urethane hose

Working Range: 0 to 105 psig at 100°F maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Gray, white
Translucent: Blue, green, orange, purple, red, yellow

Lengths Available: 50 feet

Note: In normal application, hose clamps are not required with hose when used with Clippard hose barb fittings

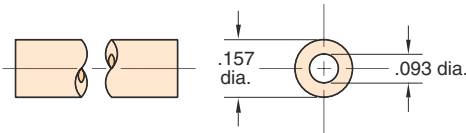
CLIPPARD HOSE & TUBING



URT1-0503-□-□



5/32 O.D. 95D Urethane Tubing
Flexible, durable ether based tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 500 psig at 70°F

Color: Solid: Black, gray, orange, red, white
Translucent: Blue, clear, green, red, yellow

Lengths Available: 50 and 500 feet

Note: Designed for use with push-in fittings.

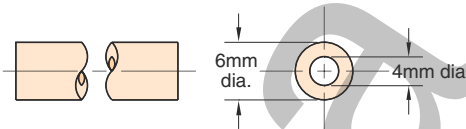
Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

URT1-0604M-□-□



6mm O.D. 95D Urethane Tubing
Flexible, durable ether based tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 450 psig at 70°F

Color: Solid: Black
Translucent: Blue, clear, green, red

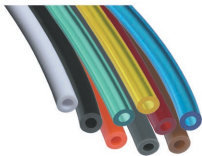
Lengths Available: 50 and 500 feet

Note: Designed for use with push-in fittings.

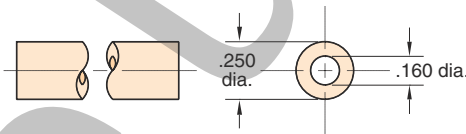
Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

URT1-0805-□-□



1/4 O.D. 95D Urethane Tubing
Flexible, durable ether based tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 450 psig at 70°F

Color: Solid: Black, gray, orange, red, white
Translucent: Blue, clear, green, red, yellow

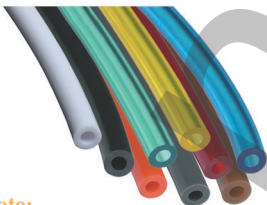
Lengths Available: 50 and 500 feet

Note: Designed for use with push-in fittings.

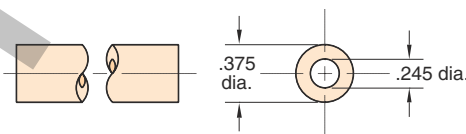
Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

URT1-1208-□-□



3/8 O.D. 95D Urethane Tubing
Flexible, durable ether based tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 440 psig at 75°F

Color: Solid: Black
Translucent: Blue, clear, green, red

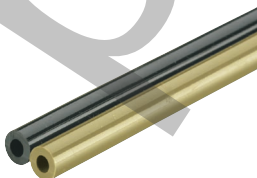
Lengths Available: 50 and 500 feet

Note: Designed for use with push-in fittings.

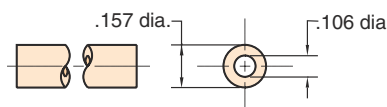
Note:

Specify color on order, and use full product number (including code letters for color) as shown in Price List. If no color is specified, clear will be furnished.

PET1-0503-□-□



5/32 O.D. Polyethylene Tubing
Linear low density tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Over 540 psig at 75°F

Colors: Solid: Black or Natural

Lengths Available: 50 and 500 feet

Bend Radius: 1/2"

Note: Designed for use with push-in fittings.

Note:

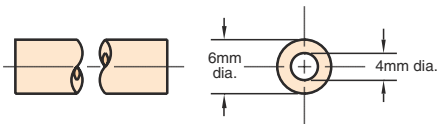
Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, natural will be furnished.



CLIPPARD HOSE & TUBING

PET1-0604M-□-□

6mm O.D. Polyethylene Tubing
Linear low density tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 560 psig at 75°F

Colors: Solid: Black or Natural

Lengths Available: 50 and 500 feet

Bend Radius: 1 1/4"

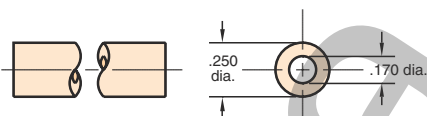
Note: Designed for use with push-in fittings

Note:

Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, natural will be furnished.

PET1-0805-□-□

1/4 O.D. Polyethylene Tubing
Linear low density tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 480 psig at 75°F

Colors: Solid: Black or Natural

Lengths Available: 50 and 500 feet

Bend Radius: 1 1/4"

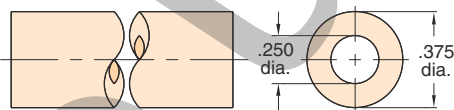
Note: Designed for use with push-in fittings

Note:

Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, natural will be furnished.

PET1-1208-□-□

3/8 O.D. Polyethylene Tubing
Linear low density tubing



Working Range: 0 to 105 psig at 100°F Maximum 120°F

Static Burst Pressure: Approximately 600 psig at 75°F

Colors: Solid: Black or Natural

Lengths Available: 50 and 500 feet

Bend Radius: 2"

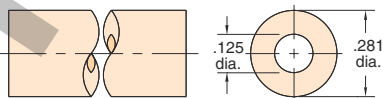
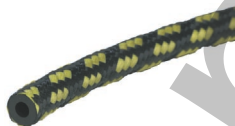
Note: Designed for use with push-in fittings

Note:

Specify color on order, and use full product number (including code letters for color) as shown in price list. If no color is specified, natural will be furnished.

11763-□

9/32 O.D. Braided Hose



Type: Flexible Buna-N hose with nylon braid covering

Working Range: 0 to 105 psig

Static Burst Pressure: Approx. 600 psig

Color: Black and yellow combination only

Lengths Available: 50 and 500 feet

Use With: Fittings: 11752-1, 11924
Clamp: 5000-1A

CLIPPARD CLAMPS



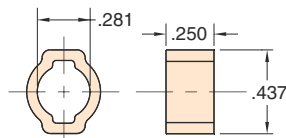
5000-1



Quick Set Hose Clamps

Type: Zinc plated steel

Use: 5000-1 with Buna N hose twin vinyl hose



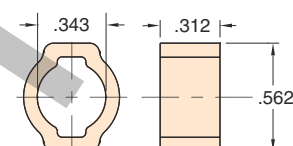
5000-1A



Quick Set Hose Clamps

Type: Zinc plated steel

Use: 5000-1A with braided hose



5000-2



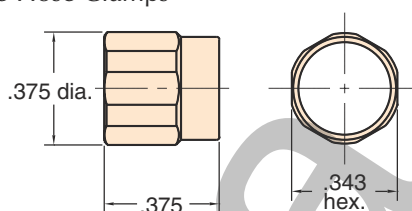
Reusable Hose Clamps

Material: Brass, self-threading, reusable

Use With: 11765 Buna-N hose 3814- vinyl hose and Clippard hose fittings

Installation: Slip sleeve over hose, push onto fitting, then screw into place; tighten with wrench

Options: (-NP)



5000-4



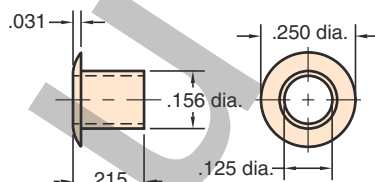
Press-On Hose Clamp

Material: Brass, press-on hose clamp

Use: for 3814-5 hose 1/16 I.D. vinyl

Installation: Simply place hose clamp over hose with flange end out; then press hose partially onto fitting, then slide clamp back toward fitting to secure

Options: (-NP)



Polyethylene vs Vinyl vs Polyurethane

Polyurethane offers a wider range of chemical compatibility than Vinyl, it may be used at much higher temperatures and clamps are not needed when used with barb fittings. Linear low density polyethylene offers a lower cost alternative to polyurethane and superior environmental stress crack resistance over standard polyethylene. Both polyurethane and polyethylene are FDA approved.

Typical Hose & Tubing Bend Radii

When using hose or tubing, care should always be taken to avoid sharp bends to prevent compressing the inside diameter of the hose or tubing and restricting flow. For extremely close connections, allow a short loop of hose to avoid crimping.

Clippard Hose or Tubing		I.D.	O.D.	Min. Bend Radius
3811-1	Copper Tube	1/16"	1/8"	3 x dia.
NYT1-XXX	Nylon Tubing	3/32"	1/8"	3 x dia.
VYH1-XXX	Vinyl Hose	1/16"	1/8"	3 x dia.
VYH1-XXX	Vinyl Hose	1/8"	1/4"	2 x dia.
VYH2-XXX	Dual Vinyl Hose	1/8"	1/4"	2 x dia.
URH1-XXX	85 Duro. Urethane Hose	1/16"	1/8"	2 x dia.
URH8-XXX	Ribbon 85 Duro. Urethane	1/16"	1/8"	-
URH1-XXX	85 Duro. Urethane Hose	1/8"	1/4"	2 x dia.
URH2-XXX	Dual 85 Duro. Urethane	1/8"	1/4"	3 x dia.
URH8-0804-XXX	Ribbon 85 Duro. Urethane	1/8"	1/4"	-
URT1-0503-XXX	95 Duro. Urethane Tubing	3/32"	5/32"	3 x dia.
URT1-0604M-XXX	95 Duro. Urethane Tubing	4mm	6mm	2 x dia.
URT1-0805-XXX	95 Duro. Urethane Tubing	.160	1/4"	2 x dia.
URT1-1208-XXX	95 Duro. Urethane Tubing	.245	3/8"	3 x dia.
PET1-0503-XXX	Polyethylene Tubing	.106	5/32"	3 x dia.
PET1-0604M-XXX	Polyethylene Tubing	4mm	6mm	5 x dia.
PET1-0805-XXX	Polyethylene Tubing	.170	1/4"	5 x dia.
PET1-1208-XXX	Polyethylene Tubing	1/4"	3/8"	5 x dia.
11763	Braided Hose	1/8"	9/32"	2 x dia.