



**ADVANCED  
TECHNOLOGY  
PRODUCTS**

# Product Catalog

*Quality Focused, Customer Driven*

Rev 11/19



## **Limited Warranty**

Advanced Technology Products expressly excludes all warranties, guarantees and representations; express or implied, including but not limited to warranties of merchantability, material, workmanship, design and suitability for a specified or intended purpose.

Products shall be free of defects in material and workmanship for a period of one (1) year after shipment.

If the product purchased is defective in any way during the one (1) year period, please contact ATP for an RGA number to return the product. No unauthorized returns will be accepted. Ship product prepaid to ATP for a full evaluation. If the product is found to be defective, ATP will repair or replace the product at no charge to the customer at ATP's sole discretion.

## **Pricing and Other Details**

Advanced Technology Products maintains and continually updates both pricing and technical details through various publications. In some instances, there may be information that does not match. When this situation occurs, the ATP website will take precedence over all other published material or discretion will be left to ATP.

## **Technical Drawings and Supporting Documentation**

Advanced Technology Products maintains a collection of drawings, MSDS sheets, and other documentation that is available for use by customers. This information may not be available on the ATP website. A reasonable attempt will be made to furnish supporting documentation.

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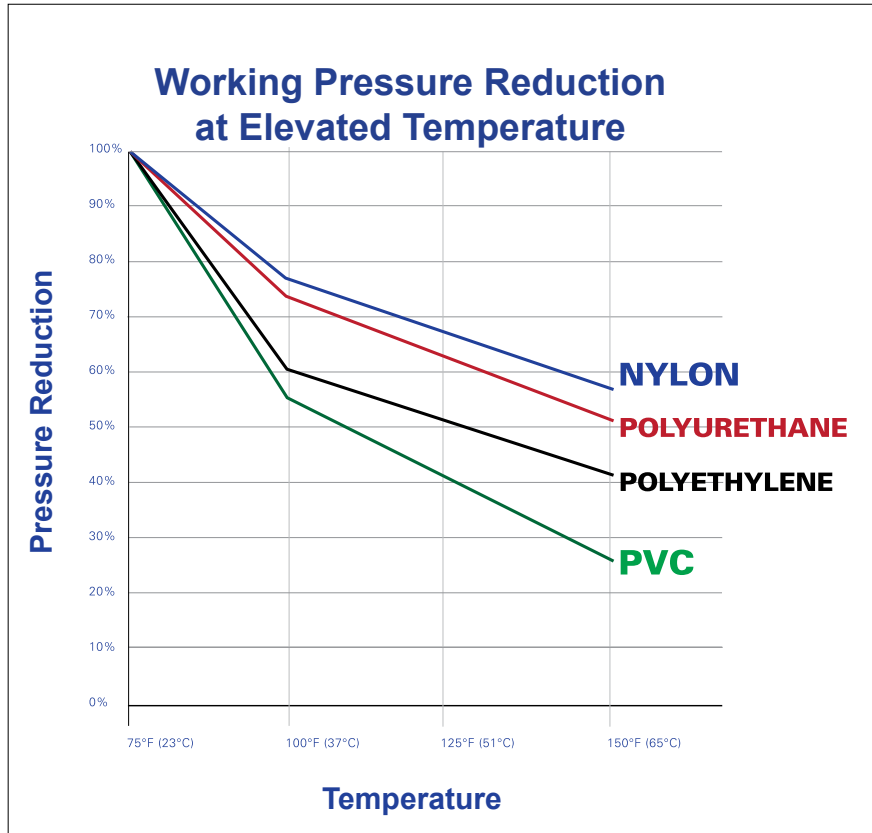
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# Tubing & Hose

## General Tubing Information



## Non-Stock & Private Label Minimum Runs

Tubing O.D.	PU (Surethane® & Monoshield™)	Nylon (Nylochem®)	LLDPE (Value-Tube™ NSF 61®)
1/8"	20,000'	35,000'	35,000'
5/32", 4mm	20,000'	35,000'	35,000'
3/16"	18,000'		
1/4", 6mm	20,000'	35,000'	35,000'
5/16", 8mm	10,000'	17,000'	17,000'
3/8", 10mm	8,500'	20,000'	20,000'
1/2", 12mm	5,000'	10,000'	10,000'
9/16"	3,000'		
5/8"	2,500'	8,000'	
3/4"	2,500'	3,500'	
1"		3,000'	
14mm			8,000'
16mm	2,500'		5,500'

The above minimum runs requirements are for non-stocked and special private label manufacturing to maintain standard pricing. If lower quantities are required, consult ATP for special quoting.



## 98A Polyurethane Tubing

Surethane® Polyurethane Tubing is extruded by ATP from ether-based resin, providing excellent resistance to hydrolysis and oil. Surethane's 98A durometer construction provides abrasion resistance and memory support.



- Certified for Direct Contact with Food Components and Equipment
- Superior Kink Resistance
- Excellent Flexibility over a Broad Temperature Range
- Abrasion-Resistant
- Largest Size and Color Range in ATP's Offering
- Resists Moisture Absorption
- Optional UV Resistance

Specifications	
Temperature Range	-40°F to 160°F*
Vacuum Rating	28" HG
Tolerance (1/8" to 1/2")	+/- .005"
Tolerance (9/16" to 3/4")	+/- .006"
Hardness	Shore 98A
Safety Factor	3:1
Material	PU (Polyurethane)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000
*Note: Green, Clear Green, Yellow, -40°F to 150°F	

Certifications/Compliance	
ROHS Compliant	
UL94HB Compliant	
NSF 51® Certified	
Meets NSF 61® Requirements	

Fitting Compatibility	
Technifit™ Push to Connect (Page 34 -48)	
Compression	
Hose-Barb (Page 67)	

**Note:** See Back Cover or Website for Chemical Compatibility

### PU 18 A BK

Material		Outside Diameter		Package Lengths		Color Code	
PU	98A PU	18	1/8"	A	100'	BK	Black
		04M/532	4mm / 5/32"	B	250'	C	Clear
		316	3/16"	C	500'	CB	Clear Blue
		14	1/4"	D	1,000'	CG	Clear Green
		08M/516	8mm / 5/16"	E	25m	CR	Clear Red
		38	3/8"	F	100m	G	Green
		12	1/2"			GY	Gray
		916	9/16"			LB	Light Blue
		58	5/8"			LG	Light Green
		34	3/4"			NB	Navy Blue
		06M	6mm			OR	Orange
		10M	10mm			R	Red
		12M	12mm			W	White
		16M	16mm			Y	Yellow

Material Availability by Color Code															
Model	BK	C	CB	CG	CR	CY	G	GY	LB	LG	NB	OR	R	W	Y
PU316	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PU18	LQ	✓	LQ	X	X	X	X	X	X	X	X	X	X	X	X
PU04M/532	✓	✓	✓	X	X	X	LQ	LQ	LQ	LQ	✓	LQ	✓	LQ	✓
PU316	✓	✓	X	X	X	X	X	X	X	X	X	X	X	X	X
PU14	✓	✓	✓	X	X	X	✓	✓	LQ	X	✓	LQ	✓	✓	✓
PU08M/516	✓	✓	X	X	LQ	X	✓	X	✓	X	✓	X	✓	LQ	✓
PU38	✓	✓	✓	X	X	X	✓	LQ	✓	LQ	✓	LQ	✓	✓	✓
PU12	✓	✓	✓	X	X	X	LQ	LQ	✓	LQ	✓	X	✓	LQ	✓
PU916	X	✓	✓	X	X	X	X	X	X	LQ	✓	X	✓	X	LQ
PU58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
PU34	X	X	✓	X	X	X	LQ	X	X	X	✓	X	X	X	X
PU06M	✓	✓	✓	X	X	X	LQ	X	✓	X	✓	X	✓	✓	✓
PU10M	✓	✓	✓	X	X	X	LQ	X	✓	X	✓	X	✓	X	✓
PU12M	✓	✓	✓	X	X	X	LQ	X	X	X	✓	X	✓	LQ	LQ
PU16M	LQ	LQ	LQ	X	X	X	LQ	X	LQ	X	LQ	X	X	LQ	LQ

✓ = Standard Lead Time      X = Non-Stock, Minimum Runs Required      LQ = Limited Quantities  
 Availability is Subject to Change, Contact ATP



# Tubing & Hose

**SURETHANE®**

**NSF51®  
POLYURETHANE  
TUBING**

## Fractional Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
PU18A_	0.125" (1/8")	0.062" (1/16")	100'	0.031"	0.200"	240 psi	0.50 lb
PU18B_			250'				1.25 lb
PU18C_			500'				2.50 lb
PU18D_			1,000'				5.00 lb
PU04M/532A_	0.156" (5/32")	0.093" (3/32")	100'	0.031"	0.250"	200 psi	0.70 lb
PU04M/532B_			250'				1.75 lb
PU04M/532C_			500'				3.50 lb
PU04M/532D_			1000'				7.00 lb
PU316A_	0.187" (3/16")	0.125" (1/8")	100'	0.031"	0.339"	150 psi	1.01 lb
PU316B_			250'				2.53 lb
PU316C_			500'				5.05 lb
PU316D_			1000'				10.10 lb
PU14A_	0.250" (1/4")	0.156" (5/32")	100'	0.047"	0.476"	180 psi	1.50 lb
PU14B_			250'				3.75 lb
PU14C_			500'				7.50 lb
PU14D_			1000'				15.00 lb
PU08M/516A_	0.313" (5/16")	0.187" (3/16")	100'	0.063"	0.594"	175 psi	2.60 lb
PU08M/516B_			250'				6.50 lb
PU08M/516C_			500'				13.00 lb
PU08M/516D_			1000'				26.00 lb
PU38A_	0.375" (3/8")	0.250" (1/4")	100'	0.063"	1.000"	150 psi	3.40 lb
PU38B_			250'				8.50 lb
PU38C_			500'				17.00 lb
PU38D_			1000'				34.00 lb
PU12A_	0.500" (1/2")	0.328" (21/64")	100'	0.086"	1.102"	150 psi	5.60 lb
PU12B_			250'				14.90 lb
PU12C_			500'				28.05 lb
PU916A_	0.562" (9/16")	0.375" (3/8")	100'	0.093"	1.375"	140 psi	7.50 lb
PU916B_			250'				18.75 lb
PU58A_	0.625" (5/8")	0.406" (13/32")	100'	0.109"	1.375"	140 psi	9.50 lb
PU58B_			250'				23.75 lb
PU34A_	0.750" (3/4")	0.500" (1/2")	100'	0.125"	1.500"	140 psi	14.90 lb
PU34B_			250'				37.25 lb

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose

**SURETHANE®**

**NSF51®  
POLYURETHANE  
TUBING**

## Metric Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
PU04M/532A_	4mm	2.4mm	100'	0.78mm	6.35mm	200 psi (13,7 Bar)	0.70 lb
PU04M/532B_			250'				1.75 lb
PU04M/532C_			500'				3.50 lb
PU04M/532D_			1000'				7.00 lb
PU04M/532E_			25m				0.57 lb
PU04M/532F_			100m				2.30 lb
PU06MA_	6mm	4mm	100'	1.00mm	12mm	180 psi (12,4 Bar)	1.30 lb
PU06MB_			250'				3.24 lb
PU06MC_			500'				6.48 lb
PU06MD_			1000'				13.00 lb
PU06ME_			25m				1.07 lb
PU06MF_			100m				4.28 lb
PU08M/516A_	8mm	5mm	100'	1.60mm	15mm	175 psi (12 Bar)	2.60 lb
PU08M/516B_			250'				6.50 lb
PU08M/516C_			500'				13.00 lb
PU08M/516D_			1000'				26.00 lb
PU08M/516E_			25m				2.13 lb
PU08M/516F_			100m				8.53 lb
PU10MA_	10mm	6.5mm	100'	1.75mm	25mm	150 psi (10,3 Bar)	3.90 lb
PU10MB_			250'				9.75 lb
PU10MC_			500'				19.50 lb
PU10ME_			25m				3.25 lb
PU10MF_			100m				12.76 lb
PU12MA_	12mm	8mm	100'	2.00mm	28mm	150 psi (10,3 Bar)	5.30 lb
PU12MB_			250'				13.25 lb
PU12MC_			500'				26.50 lb
PU12ME_			25m				4.39 lb
PU12MF_			100m				17.34 lb
PU16MA_	16mm	11mm	100'	2.50mm	30mm	150 psi (10,3 Bar)	9.50 lb
PU16MB_			250'				23.75 lb
PU16ME_			25m				7.79 lb
PU16MF_			100m				31.16 lb

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose

## SURETHANE 85™ ULTRA-FLEXIBLE POLYURETHANE



## 85A Polyurethane Tubing

Surethane 85™ Polyurethane Tubing is an ultra-flexible, 85A durometer version of Surethane® Polyurethane Tubing. Surethane 85™ is intended for applications where extra flexibility is required.

- Shore 85A Durometer
- Enhanced Flexibility compared to 98A Surethane®
- Ether-Based Resin, Resists Hydrolysis and Oil
- Kink-Resistant
- Abrasion-Resistant

Specifications	
Temperature Range	-40°F to 160°F
Tolerance	+/- .005"
Hardness	Shore 85A
Safety Factor	3:1
Material	PU (Polyurethane)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Material Availability by Color Code					
Model	Bk	R	NB	G	Y
SPU18	X	✓	✓	X	X
SPU14	X	✓	✓	✓	✓
SPU516	X	✓	✓	✓	✓
SPU38	X	✓	✓	✓	✓
SPU12	X	✓	✓	✓	✓

✓ = Standard Lead Time X = Non-Stock, Minimum Runs Required  
Availability is Subject to Change, Contact ATP

Certifications/Compliance
ROHS Compliant
UL94HB Compliant

Fitting Compatibility
Hose-Barb (Page 67)

### SPU 14 A BK

Material		Tubing OD x ID		Package Size		Color	
SPU	85A PU	18	1/8" x 1/16"	A	100' (Roll)	BK	Black
		14	1/4" x 1/8"	C	500' (Spool)	R	Red
		516	5/16" x 3/16"			NB	Navy Blue
		38	3/8" x 1/4"			G	Green
		12	1/2" x 3/8"			Y	Yellow

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
SPU18A_	0.125" (1/8")	0.062" (1/16")	100'	0.031"	0.187"	150psi	0.50 lb
SPU18C_			500'				2.50 lb
SPU14A_	0.250" (1/4")	0.125" (1/8")	100'	0.062"	0.500"	160psi	1.50 lb
SPU14C_			500'				7.50 lb
SPU08M/516A_	0.313" (5/16")	0.187" (3/16")	100'	0.062"	0.625"	110psi	2.60 lb
SPU08M/516C_			500'				13.00 lb
SPU38A_	0.375" (3/8")	0.250" (1/4")	100'	0.062"	0.750"	100psi	3.40 lb
SPU38C_			500'				17.00 lb
SPU12A_	0.500" (1/2")	0.375" (3/8")	100'	0.062"	2.000"	70psi	5.60 lb
SPU12C_			500'				28.05 lb





# Tubing & Hose



## Nylon 12 Tubing

Nylochem® Nylon 12 Tubing is well-suited for applications that require increased working pressure and temperatures.

- Thinner Wall Enables Higher Flow Rates
- Higher Working Pressure Compared with PE and PU
- Wider Temperature Range Compared with PE and PU
- Low Moisture Absorption Rates
- Abrasion-Resistant
- Broad Resistance to Chemicals
- Stabilized Against Harmful UV Rays
- Ideal for Outdoor Use, Superior Stress Crack Resistance

Specifications	
Temperature Range	-60°F to 200°F
Vacuum Rating	28" HG
Tolerance (1/8" to 1/4")	+/- .005"
Tolerance (3/8" to 1/2")	+/- .006"
Hardness	Shore 70D / Rockwell 78R
Safety Factor	4:1
Material	Nylon 12 (Polyamide 12)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance
UL94HB Compliant

Fitting Compatibility
Technifit™ Push to Connect (Page 34 - 48)
Compression

**Note:** See Back Cover or Website for Chemical Compatibility

## N 18 A BK

Material		Outside Diameter		Package Lengths		Color Code	
N	Nylon (PA) 12	18	1/8"	A	100'	BK	Black
		04M/532	4mm / 5/32"	B	250'	G	Green
		14	1/4"	C	500'	GY	Gray
		14x150	1/4" x 0.150"	D	1,000'	NA	Natural
		08M/516	8mm / 5/16"	E	25m	NB	Navy Blue
		38	3/8"	F	100m	OR	Orange
		38x215	3/8" x 0.215"			R	Red
		12	1/2"			S	Silver
		58	5/8"			Y	Yellow
		06M	6mm				
		10M	10mm				
		12M	12mm				
		14M	14mm				

Material Availability by Color Code									
Model	BK	NB	G	GY	NA	OR	R	S	Y
N18	LQ	X	X	X	LQ	X	X	X	X
N04M/532	X	X	X	X	LQ	X	X	X	X
N14	✓	✓	LQ	X	✓	LQ	LQ	X	LQ
N14x150	X	X	X	X	LQ	X	X	X	X
N08M/516	LQ	X	X	X	LQ	X	X	X	LQ
N38	✓	LQ	LQ	X	✓	LQ	LQ	X	LQ
N38x215	X	X	X	X	X	X	X	X	X
N12	LQ	X	LQ	X	✓	LQ	LQ	X	LQ
N58	X	LQ	X	X	X	X	X	X	LQ
N06M	LQ	X	X	X	LQ	X	X	X	X
N10M	LQ	X	X	X	X	X	X	X	X
N12M	X	X	X	X	X	X	X	X	LQ
N14M	X	X	X	X	X	X	X	X	X
N16M	X	X	X	X	X	X	X	X	X

✓ = Standard Lead Time    LQ = Limited Quantities  
 X = Non-Stock, Minimum Runs Required  
 Availability is Subject to Change, Contact ATP



# Tubing & Hose



## Fractional Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
N18A_	0.125" (1/8")	0.080"	100'	0.022"	0.375"	420 psi	0.35 lb
N18B_*			250'				0.88 lb
N18C_			500'				1.75 lb
N18D_			1,000'				3.50 lb
N04M/532A_	0.156" (5/32")	0.106"	100'	0.025"	0.500"	350 psi	0.45 lb
N04M/532B_*			250'				1.13 lb
N04M/532C_			500'				2.25 lb
N04M/532D_			1,000'				4.50 lb
N14A_	0.250" (1/4")	0.180"	100'	0.035"	1.250"	290 psi	1.04 lb
N14B_*			250'				2.60 lb
N14C_			500'				5.20 lb
N14D_			1,000'				10.40 lb
N14x150A_	0.150"	0.150"	100'	0.050"	0.750"	800 psi	1.40 lb
N14x150C_			500'				6.80 lb
N08M/516A_	0.314" (5/16")	0.236"	100'	0.039"	1.496"	250 psi	1.50 lb
N08M/516B_*			250'				3.75 lb
N08M/516C_			500'				7.50 lb
N08M/516D_			1,000'				15.00 lb
N38A_	0.375" (3/8")	0.275"	100'	0.050"	2.000"	250 psi	2.26 lb
N38B_*			250'				5.65 lb
N38C_			500'				11.30 lb
N38D_			1,000'				22.60 lb
N38x215A_	0.215"	0.215"	100'	0.082"	1.000"	883 psi	3.20 lb
N38x215C_			500'				16.0 lb
N12A_	0.500" (1/2")	0.375" (3/8")	100'	0.062"	3.500"	240 psi	3.80 lb
N12B_*			250'				9.50 lb
N12C_			500'				19.00 lb
N58A_	0.625" (5/8")	0.500" (1/2")	100'	0.062"	4.250"	210 psi	4.70 lb
N58C_			500'				23.50 lb

Note: \* Indicates Non-Stock Packaged Length

**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Metric Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
N04M/532A_	4mm	2.7mm	100'	0.65mm	12.7mm	350 psi (24,1 bar)	0.45 lb
N04M/532B_*			250'				1.13 lb
N04M/532C_			500'				2.25 lb
N04M/532D_			1,000'				4.50 lb
N04M/532E_			25m				0.40 lb
N04M/532F_			100m				2.00 lb
N06ME_	6mm	4mm	25m	1.00mm	31.8mm	340 psi (23,4 bar)	0.90 lb
N06MF_			100m				3.60 lb
N08M/516A_	8mm	6mm	100'	1.00mm	38.0mm	250 psi (17,2 bar)	1.50 lb
N08M/516B_*			250'				3.75 lb
N08M/516C_			500'				7.50 lb
N08M/516D_			1,000'				15.00 lb
N08M/516E_			25m				1.23 lb
N08M/516F_			100m				4.92 lb
N10ME_	10mm	8mm	25m	1.00mm	51.0mm	225 psi (15,5 bar)	1.56 lb
N10MF_			100m				6.23 lb
N12ME_	12mm	10mm	25m	1.00mm	63.5mm	200 psi (13,7 bar)	1.89 lb
N12MF_			100m				7.55 lb
N14ME_	14mm	12mm	25m	1.50mm	100.0mm	175 psi (12 bar)	2.91 lb
N14MF_			100m				11.64 lb

Note: \* Indicates Non-Stock Packaged Length



Note: See Back Cover or Website for Chemical Compatibility

# Tubing & Hose

**VALUE-TUBE™**

**NSF61® POLYETHYLENE LLDPE**



## LLDPE Polyethylene NSF 61® Tubing

Value-Tube™ NSF 61® Linear Low-Density Polyethylene Tubing is extruded from 100% non-toxic, **NSF 61®** and **FDA-Compliant** ingredients.

- Certified for Direct Contact with Potable Water
- Chemically-Inert
- UV-Stabilized
- Good Dielectric Properties
- Impermeable to Both Gas and Liquids

Specifications	
Temperature Range	-50°F to 140°F
Vacuum Rating	28" HG
Tolerance (1/8" to 1/4")	+/- .005"
Tolerance (3/8" to 1/2")	+/- .006"
Tolerance (3/4" to 5/8")	+/- .008"
Tolerance (1"+)	+/- .010"
Hardness	Shore 98A
Safety Factor	3:1
Material	LLDPE (Linear Low-Density Polyethylene)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance	
FDA Compliant	
NSF 61® Certified	

Fitting Compatibility	
Technifit™ Push to Connect (Page 34 - 48)	
Compression	
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**Note:** See Back Cover or Website for Chemical Compatibility



### PE 14 A BK

Material		Outside Diameter		Package Lengths		Color Code	
PE	LLDPE	18	1/8"	A	100'	BK	Black
		04M/532	4mm / 5/32"	B	250'	G	Green
		14	1/4"	C	500'	NA	Natural
		08M/516	8mm / 5/16"	D	1,000'	NB	Navy Blue
		38	3/8"			OR	Orange
		12	1/2"			R	Red
		58	5/8"			Y	Yellow
		34	3/4"				
		1	1"				
		06M	6mm				
		10M	10mm				
		12M	12mm				

Material Availability by Color Code							
Model	BK	NB	G	NA	OR	R	Y
PE18	X	X	X	✓	X	X	X
PE04M/532	LQ	X	X	LQ	X	X	X
PE14	✓	✓	✓	✓	X	✓	✓
PE1418	✓	X	X	X	X	X	X
PE08M/516	LQ	X	X	✓	X	X	X
PE38	✓	✓	✓	✓	X	✓	LQ
PE12	✓	✓	✓	✓	X	✓	LQ
PE58	✓	X	X	✓	X	X	X
PE34	X	X	X	X	X	X	X
PE1	X	X	X	X	X	X	X
PE06M	LQ	LQ	X	✓	X	X	X
PE10M	✓	X	X	✓	X	X	X
PE12M	LQ	X	X	LQ	X	X	X

✓ = Standard Lead Time    LQ = Limited Quantities  
 X = Non-Stock, Minimum Runs Required  
 Availability is Subject to Change, Contact ATP



# Tubing & Hose



## Fractional Sizes

Part Number (Insert Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
PE18A_	0.125" (1/8)	0.080"	100'	0.022"	0.15"	250 psi	0.50 lb
PE18C_			500'				2.50 lb
PE18D_			1,000'				4.50 lb
PE04M/532A_	0.156" (5/32")	0.106"	100'	0.025"	1.00"	180 psi	0.60 lb
PE04M/532B_*			250'				1.50 lb
PE04M/532C_			500'				3.00 lb
PE04M/532D_			1,000'				6.00 lb
PE14A_	0.250" (1/4")	0.170"	100'	0.040"	1.25"	150 psi	1.20 lb
PE14B_*			250'				3.00 lb
PE14C_			500'				6.00 lb
PE14D_			1,000'				12.00 lb
PE1418A_	0.250" (1/4")	0.170"	100'	0.062"	1.00"	350 psi	1.40 lb
PE1418B_*			250'				3.50 lb
PE1418C_			500'				7.00 lb
PE1418D_			1,000'				14.00 lb
PE08M/516A_	0.313" (5/16")	0.236"	100'	0.038"	1.50"	150 psi	1.50 lb
PE08M/516B_*			250'				3.75 lb
PE08M/516C_			500'				7.50 lb
PE08M/516D_			1,000'				15.00 lb
PE38A_	0.375" (3/8")	0.250" (1/4")	100'	0.062"	2.00"	150 psi	3.00 lb
PE38B_*			250'				7.00 lb
PE38C_			500'				14.00 lb
PE38D_			1,000'				25.00 lb
PE12A_	0.500" (1/2")	0.375" (3/8")	100'	0.062"	2.50"	125 psi	3.40 lb
PE12B_*			250'				8.50 lb
PE12C_			500'				17.00 lb
PE58A_	0.625" (5/8")	0.500" (1/2")	100'	0.062"	3.00"	100 psi	5.00 lb
PE58B_*			250'				12.50 lb
PE58C_			500'				25.00 lb
PE34A_	0.750" (3/4")	0.625" (5/8")	100'	0.062"	4.00"	100 psi	5.50 lb
PE1A_	1.000"	0.750" (3/4")	100'	0.125"	4.00"	150 psi	13.70 lb

Note: \* Indicates Non-Stock Packaged Length

Note: See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Metric Sizes

Part Number (Insert Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
PE04M/532A_	4mm	2.7mm	100'	0.65mm	25.4mm	180 psi (12,4 Bar)	0.60 lb
PE04M/532B_*			250'				1.50 lb
PE04M/532C_			500'				3.00 lb
PE04M/532D_			1,000'				6.00 lb
PE06MA_	6mm	4mm	100'	1.00mm	31.8mm	150 psi (10,3 Bar)	1.10 lb
PE06MB_*			250'				2.75 lb
PE06MC_			500'				5.50 lb
PE06MD_			1,000'				11.00 lb
PE08M/516A_	8mm	6mm	100'	1.00mm	38.1mm	150 psi (10,3 Bar)	1.50 lb
PE08M/516B_*			250'				3.75 lb
PE08M/516C_			500'				7.50 lb
PE08M/516D_			1,000'				15.00 lb
PE10MA_	10mm	8mm	100'	1.00mm	51.0mm	125 psi (8,6 Bar)	2.10 lb
PE10MB_*			250'				5.25 lb
PE10MC_			500'				10.50 lb
PE12MA_	12mm	9mm	100'	1.50mm	63.5mm	100 psi (6,9 Bar)	2.50 lb
PE12MB_*			250'				6.50 lb
PE12MC_			500'				13.00 lb

Note: \* Indicates Non-Stock Packaged Length

**Note:** See Back Cover or Website for Chemical Compatibility





## Clear PVC NSF 61® Hose

Vinyl-Flex™ is a clear PVC hose suited for low pressure applications of both fluid and compressed gases. Vinyl-Flex PVC meets FDA requirements and is NSF 61® certified, making it ideal for use in potable water applications.

- Certified for Direct Contact with Potable Water
- Lightweight and Flexible
- Phthalate-Free

Specifications	
Temperature Range	15°F to 150°F
Vacuum Rating	28" HG
Tolerance (1/8" to 1/2")	+ .004"/- .008"
Tolerance (5/8" to 1")	+ .008"/- .012"
Tolerance (1.25" to 1.5")	+ .012"/- .016"
Tolerance (2" +)	+ .016"/- .020"
Hardness	Shore 73A
Safety Factor	3:1
Material	PVC (Polyvinylchloride)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance	
FDA Compliant	
NSF 61®	
REACH Compliant	
RoHS Compliant	
USP Class VI	

Fitting Compatibility	
Fluid Couplers & Plugs	
Hose-Barb (Page 67)	

**Note:** See Back Cover or Website for Chemical Compatibility

## PVC 18-14 A NA

Material		Inside Diameter x Outside Diameter		Package Lengths		Color Code	
PVC	NSF 61® PVC	PVC18-14	1/8" x 1/4"	A	100'	NA	Clear
		PVC316-14	3/16" x 1/4"	2A	50'		
		PVC316-516	3/16" x 5/16"				
		PVC316-38	3/16" x 3/8"				
		PVC316-716	3/16" x 7/16"				
		PVC14-38	1/4" x 3/8"				
		PVC14-716	1/4" x 7/16"				
		PVC14-12	1/4" x 1/2"				
		PVC516-716	5/16" x 7/16"				
		PVC 516-12	5/16" x 1/2"				
		PVC 516-916	5/16" x 9/16"				
		PVC 38-12	3/8" x 1/2"				
		PVC 38-916	3/8" x 9/16"				
		PVC 38-58	3/8" x 5/8"				
		PVC 716-916	7/16" x 9/16"				
		PVC 12-58	1/2" x 5/8"				
		PVC 12-1116	1/2" x 11/16"				
		PVC 12-34	1/2" x 3/4"				
		PVC 58-34	5/8" x 3/4"				
		PVC 58-1316	5/8" x 13/16"				
		PVC 58-78	5/8" x 7/8"				
		PVC 34-1	3/4" x 1"				
		PVC 34-54	3/4" x 1 1/4"				
		PVC 78-118	7/8" x 1 1/8"				
		PVC 1-54	1" x 1 1/4"				
		PVC 1-138	1" x 1 3/8"				
		PVC 54-64	1 1/4" x 1 1/2"				
		PVC 54-1582	1 1/4" x 1 5/8"				
		PVC 64-1782	1 1/2" x 1 7/8"				
		PVC 2-2.52	2" x 2 1/2"				

\* Select Sizes



# Tubing & Hose



## Fractional Sizes

Part Number	ID	OD	Length	Wall Thickness	Working Pressure at 75°F	Package Weight
PVC18-14ANA	0.125" (1/8")	0.250" (1/4")	100'	0.187"	65 psi	2.20 lb
PVC316-14ANA*	0.187" (3/16")	0.250" (1/4")	100'	0.031"	50 psi	1.17 lb
PVC316-516ANA		0.313" (5/16")		0.063"	55 psi	2.69 lb
PVC316-38ANA		0.375" (3/8")		0.094"	60 psi	3.75 lb
PVC316-716ANA		0.438" (7/16")		0.125"	55 psi	7.80 lb
PVC14-38ANA		0.375" (3/8")		100'	0.062"	55 psi
PVC14-716ANA*	0.438" (7/16")	0.094"	55 psi		5.53 lb	
PVC14-12ANA	0.500" (1/2")	0.125"	60 psi		7.89 lb	
PVC516-716ANA	0.312" (5/16")	0.438" (7/16")	100'	0.063"	50 psi	3.88 lb
PVC516-12ANA*		0.500" (1/2")		0.094"	55 psi	6.37 lb
PVC516-916ANA*		0.563" (9/16")		0.125"	60 psi	9.22 lb
PVC38-12ANA	0.375" (3/8")	0.500" (1/2")	100'	0.062"	45 psi	4.65 lb
PVC38-916ANA		0.563" (9/16")		0.094"	50 psi	7.47 lb
PVC38-58ANA*		0.625" (5/8")		0.125"	55 psi	10.65 lb
PVC716-916ANA*	0.437" (7/16")	0.563" (9/16")	100'	0.063"	35 psi	6.60 lb
PVC12-58ANA	0.500" (1/2")	0.625" (5/8")	100'	0.062"	30 psi	6.00 lb
PVC12-1116ANA*		0.688" (11/16")		0.094"	40 psi	9.50 lb
PVC12-34ANA		0.750" (3/4")		0.125"	45 psi	13.07 lb
PVC58-34ANA	0.625" (5/8")	0.750" (3/4")	100'	0.062"	30 psi	7.10 lb
PVC58-1316ANA*		0.813" (13/16")		0.094"	35 psi	12.32 lb
PVC58-78ANA		0.875" (7/8")		0.125"	40 psi	15.72 lb
PVC34-1ANA	0.750" (3/4")	1.00"	100'	0.125"	35 psi	18.37 lb
PVC34-54ANA*		1.25" (1 1/4")		0.250"	45 psi	20.00 lb
PVC78-118ANA*	0.875" (7/8")	1.125" (1 1/8")	100'	0.125"	30 psi	33.10 lb
PVC1-54ANA	1.00"	1.25" (1 1/4")	100'	0.125"	25 psi	23.99 lb
PVC1-138ANA*		1.375" (1 3/8")		0.187"	30 psi	37.00 lb
PVC54-64ANA	1.25" (1 1/4")	1.50" (1 1/2")	100'	0.125"	20 psi	29.00 lb
PVC54-1582ANA		1.625" (1 5/8")	50'	0.187"	30 psi	44.60 lb
PVC64-1782ANA	1.50" (1 1/2")	1.875" (1 7/8")	50'	0.187"	30 psi	52.70 lb
PVC2-2.52ANA**	2.00"	2.50" (2 1/2")	50'	0.250"	20 psi	30.00 lb

Note: \* Indicates Non-Stock Packaged Length \*\* Indicates Non-Stock/Not NSF Certified

Note: See Back Cover or Website for Chemical Compatibility

\* Select Sizes







## Reinforced PVC NSF 61® Hose

Dura-Pure® Reinforced PVC Hose features a polyester spiral yarn enabling higher pressure applications of both fluid and compressed gases. Dura-Pure® Hose meets FDA requirements and is NSF 61® certified, making it ideal for use in potable water applications.



- Certified for Direct Contact with Potable Water
- Lightweight and Flexible
- Phthalate-Free

### PVCBH 14 - 438 A NA

Specifications	
Temperature Range	15°F to 150°F
Vacuum Rating	28" HG
Tolerance (3/16" to 1/2")	+.004"/-.008"
Tolerance (5/8" to 1")	+.008"/-.012"
Tolerance (1.25" to 1.5")	+.012"/-.016"
Tolerance (2" +)	+.016"/-.020"
Hardness	Shore 73A
Safety Factor	3:1
Material	PVC (Polyvinylchloride)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Material		Inside Diameter x Outside Diameter		Package Lengths		Color Code	
PVCBH	NSF 61® Reinforced PVC	PVCBH316-375	3/16" x 3/8"	A	100'	NA	Clear
		PVCBH14-438	1/4" x .438"	A2	200'		
		PVCBH516-531	5/16" x .531"	A3	300'		
		PVCBH38-594	3/8" x .594"				
		PVCBH12-34	1/2" x 3/4"				
		PVCBH58-891	5/8" x .891"				
		PVCBH34-103	3/4" x 1.03"				
		PVCBH1-1.3	1" x 1.3"				
		PVCBH54-1.62	1 1/4" x 1.62"				
		PVCBH64-1.938	1 X 1.938"				
		PVCBH2-2.492	2" x 2.492"				

Certifications/Compliance
FDA Compliant
NSF 61®
REACH Compliant
RoHS Compliant
USP Class VI
ASTMF930-03
EN-71
PAHS

Fitting Compatibility
Fluid Couplers & Plugs
Hose-Barb (Page 67)



**Note:** See Back Cover or Website for Chemical Compatibility



# Tubing & Hose



## Fractional Sizes

Part Number	ID	OD	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Package Weight
PVCBH316-375ANA	0.187" (3/16")	0.375" (3/8")	100'	0.094"	0.935"	250 psi	4.41 lb
PVCBH316-375A3NA			300'				13.23 lb
PVCBH14-438ANA	0.250" (1/4")	0.438"	100'	0.094"	1.250"	250 psi	5.84 lb
PVCBH14-438A3NA			300'				17.52 lb
PVCBH516-531ANA	0.313" (5/16")	0.531"	100'	0.109"	1.565"	250 psi	7.39 lb
PVCBH516-531A3NA			300'				22.17 lb
PVCBH38-594ANA	0.375" (3/8")	0.594"	100'	0.109"	1.875"	225 psi	9.02 lb
PVCBH38-594A3NA			300'				27.06 lb
PVCBH12-34ANA	0.500" (1/2")	0.750" (3/4")	100'	0.125"	2.500"	200 psi	13.33 lb
PVCBH12-34A3NA			300'				39.99 lb
PVCBH58-891ANA	0.625" (5/8")	0.891"	100'	0.133"	3.125"	200 psi	15.93 lb
PVCBH58-891A3NA			300'				47.79 lb
PVCBH34-103ANA	0.750" (3/4")	1.03"	100'	0.140"	3.750"	150 psi	20.72 lb
PVCBH34-103A3NA			300'				62.16 lb
PVCBH1-1.3ANA	1.00"	1.30"	100'	0.150"	4.00"	125 psi	29.08 lb
PVCBH1-1.3A2NA			200'				58.16 lb
PVCBH54-1.62ANA	1.25" (1 1/4")	1.62"	100'	0.185"	5.00"	100 psi	45.50 lb
PVCBH64-1.938ANA	1.50" (1 1/2")	1.93"	100'	0.215"	6.00"	100 psi	63.49 lb
PVCBH2-2.492ANA**	2.00"	2.49"	50'	0.245"	8.00"	75 psi	92.59 lb

Note: \* Indicates Non-Stock Packaged Length \*\* Indicates Non-Stock/Not NSF Certified

**Note:** See Back Cover or Website for Chemical Compatibility



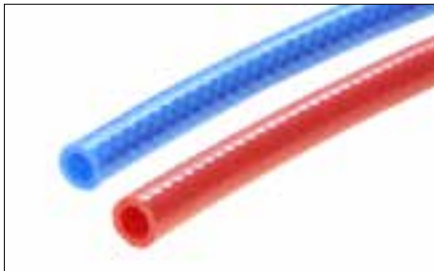
## ARMOR-AIR Reinforced Polyurethane Air Hose

Rugged and durable, Armor-Air™ is constructed of reinforced Ether Based polyurethane, and is perfect for the most demanding environments.



- Excellent Flexibility
- UV Stabilized
- Supplied with Reusable Fittings
- Nickel-Plated Fittings Resist Tarnishing and Corrosion
- Bend Restrictors Prevent Kinking
- Available with Fittings or in Bulk
- Lightweight

### PBH 14 - 25 CB 2



Material		Inside Diameter x Outside Diameter		Package Lengths		Color Code		Fitting Option	
PBH	Reinforced PU	14	1/4" x 3/8"	25	25'	CB	Clear Blue	2	1/4" Male NPT Swivel
		38	3/8" x 9/16"	50	50'	NB	Navy Blue	3	3/8" Male NPT Swivel
		12	1/2" x 3/4"	100	100'	R	Red	4	1/2" Male NPT Swivel
				250	250'			(Blank)	No Fittings
				500	500'			Q	Premium Series (Auto)
								E	Economy Series (Manual)
								DF	Safety-Slide™



### Fractional Sizes (NPT and Bulk)

Specifications	
Temperature Range	-40°F to 155°F
Max. Working Pressure	210 psi
Hardness	Shore 85A
Safety Factor	3:1
Material	Reinforced PU (Polyurethane)
Media	Air or Water
Tariff Code w/ Fittings	3917.33.0000
Tariff Code w/o Fittings	3917.32.0000

Certifications/Compliance	
UL94HB Compliant	

Fitting Compatibility	
H-Style Compression Replacement Fitting (Page 56)	

Part Number	ID	OD	Length	Bend Radius	Fittings	Package Weight
PBH14-25CB2	0.250" (1/4")	0.375" (3/8")	25'	1.000"	1/4" Male NPT Swivel	1.05 lb
PBH14-50CB2			50'			2.09 lb
PBH14-100CB2			100'			4.19 lb
PBH14A_			100'		No Fittings	3.42 lb
PBH14B_			250'			6.84 lb
PBH14C_			500'			13.69 lb
PBH38-25CB2	0.375" (3/8")	0.562" (9/16")	25'	1.625"	1/4" Male NPT Swivel	1.41 lb
PBH38-50CB2			50'			2.81 lb
PBH38-100CB2			100'			5.63 lb
PBH38-25CB3			25'		3/8" Male NPT Swivel	1.41 lb
PBH38-50CB3			50'			2.81 lb
PBH38-100CB3			100'			5.63 lb
PBH38A_			100'		No Fittings	5.88 lb
PBH38B_			250'			11.75 lb
PBH38C_			500'			23.50 lb
PBH12-25CB4	0.500" (1/2")	0.750" (3/4")	25'	2.640"	1/2" Male NPT Swivel	2.36 lb
PBH12-50CB4			50'			4.72 lb
PBH12-100CB4			100'			9.44 lb
PBH12A_			100'		No Fittings	7.72 lb
PBH12B_			250'			5.44 lb
PBH12C_			500'			30.88 lb

# Tubing & Hose

## Fractional Sizes with Pneumatic Quick Disconnect Fittings

Part Number	ID	OD	Length	Bend Radius	Body Size	Interchange	Available QD Style
PPBH14-25CB_	0.250" (1/4")	0.375" (3/8")	25'	1.000"	1/4"	Industrial (US)	Premium Series (Auto) Economy Series (Manual) Safety-Slide™
PBH14-50CB_			50'				
PBH14-100CB_			100'				
PBH38-25CB_	0.375" (3/8)	0.562" (9/16")	25'	1.625"	1/4" or 3/8"	Industrial (US)	Premium Series (Auto), Economy Series (Manual) Safety-Slide™
PBH38-50CB_			50'				
PBH38-100CB_			100'				
PBH12-25CBDF	0.500" (1/2)	0.750" (3/4)	25'	2.640"	1/2"	Industrial (US)	Safety-Slide™
PBH12-50CBDF			50'				
PBH12-100CBDF			100'				

Available QD Suffix Codes		
Suffix	Series	Catalog Page
Q	Premium Series (Auto)	58 - 59
E	Economy Series (Manual)	61
DF	Safety-Slide™	63

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™



## Reinforced Hybrid PVC Air Hose

Striper™ Reinforced Hybrid PVC Air Hose is a lightweight, flexible, abrasion-resistant hybrid PVC air hose intended for the toughest of work environments.

- Smooth, Transparent Outer Layer, Allowing for Easy Cleaning and Inspection
- Nickel-Plated, Field-Repairable Fittings with Bend-Restrictors
- Cold Weather Flexibility down to -40°F
- Will not Kink or Create Loops while Laying on Ground
- Available with Fittings or in Bulk



### STH 14 - 25 BKR 2

Material		Inside Diameter x Outside Diameter		Package Lengths		Color Code		Fitting Option	
STH	Hybrid PVC	14	1/4" x 7/16"	10	10'	BKR	Black & Red	2	1/4" Male NPT Rigid
		38	3/8" x 9/16"	15	15'			3	3/8" Male NPT Rigid
		12	1/2" x 3/4"	25	25'			4	1/2" Male NPT Rigid
				50	50'			(Blank)	No Fittings
				100	100'			Q	Premium Series (Auto)
				A	100' (bulk)			E	Economy Series (Manual)
				B	250' (bulk)			DF	Safety-Slide™
				C	500' (bulk)				



Specifications	
Temperature Range	-40°F to 180°F
Max. Working Pressure	300 psi
Construction	Reinforced Hybrid PVC
Hardness	Shore 62A
Media	Air or Water
Tariff Code (w/ Fittings)	3917.33.0000
Tariff Code (w/o Fittings)	3917.32.0000

Fitting Compatibility
STH-Style Compression Replacement Fitting (Page 56)

### Fractional Sizes (NPT and Bulk)

Part Number	ID	OD	Length	Bend Radius	Fittings	Package Weight			
STH14-10BKR2	0.250" (1/4")	0.437" (7/16")	10'	1.00"	1/4" Male NPT Rigid	0.58 lb			
STH14-15BKR2			15'			0.87 lb			
STH14-25BKR2			25'			1.46 lb			
STH14-50BKR2			50'			2.92 lb			
STH14-100BKR2			100'			5.84 lb			
STH14-ABKR			100'		5.84 lb				
STH14-BBKR			250'		14.60 lb				
STH14-CBKR			500'		29.20 lb				
STH38-10BKR2			0.375" (3/8")		0.562" (9/16")	10'	1.62"	1/4" Male NPT Rigid	0.90 lb
STH38-15BKR2						15'			1.35 lb
STH38-25BKR2	25'	2.26 lb							
STH38-50BKR2	50'	4.51 lb							
STH38-100BKR2	100'	9.02 lb							
STH38-25BKR3	25'	2.26 lb							
STH38-50BKR3	50'	4.51 lb							
STH38-100BKR3	100'	9.02 lb							
STH38-ABKR	100'	9.02 lb							
STH38-BBKR	250'	22.55 lb							
STH38-CBKR	500'	45.10 lb							
STH12-10BKR4	0.500" (1/2")	0.750" (3/4")	10'	2.64"	1/2" Male NPT Rigid	1.13 lb			
STH12-15BKR4			15'			1.99 lb			
STH12-25BKR4			25'			3.33 lb			
STH12-50BKR4			50'			6.67 lb			
STH12-100BKR4			100'			13.33 lb			
STH12-ABKR			100'		13.33 lb				
STH12-BBKR			250'		33.33 lb				
STH12-CBKR			500'		66.65 lb				
								No Fittings	

# Tubing & Hose

## Fractional Sizes with Pneumatic Quick Disconnect Fittings

Part Number	ID	OD	Length	Bend Radius	Body Size	Interchange	Available QD Style
STH14-25BKR_	0.250" (1/4")	0.437" (7/16")	25'	1.000"	1/4"	Industrial (US)	Premium Series (Auto) Economy Series (Manual) Safety-Slide™
STH14-50BKR_			50'				
STH14-100BKR_			100'				
STH38-25BKR_	0.375" (3/8")	0.562" (9/16")	25'	1.625"	1/4" or 3/8"	Industrial (US)	Premium Series (Auto) Economy Series (Manual) Safety-Slide™
STH38-50BKR_			50'				
STH38-100BKR_			100'				
STH12-25BKR_	0.500" (1/2")	0.750" (3/4")	25'	2.640"	1/2"	Industrial (US)	Safety-Slide™
STH12-50BKR_			50'				
STH12-100BKR_			100'				

Available QD Suffix Codes		
Suffix	Series	Catalog Page
Q	Premium Series (Auto)	58 - 59
E	Economy Series (Manual)	61
DF	Safety-Slide™	63

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™

## Other Tubing and Hose Products

The following product can be found on our website and in our Full Product Catalog.

**SURETHANE UV**  
POLYURETHANE

UV-Stabilized Polyurethane Tubing for Resistance to Sunlight



**MERCURY™**  
P T F E

Advanced Chemical Resistance with a -454°F to 500°F Temperature Range



**VENUS™**  
F E P

Economical Alternative to PTFE with a -400°F to 400°F Temperature Range



**SH - Soft Hose**  
60A Reinforced PU Hose

Soft 60A Durometer Reinforced Polyurethane Air Hose



# D.O.T. Tubing & Fittings



## Nylon D.O.T. Tubing

D.O.T. Nylon tubing is manufactured specifically for use in heavy vehicle, pneumatic braking systems. Available in both **Type A** and **Type B**, TechniDOT™ tubing offers excellent resistance to abrasion, gasoline, diesel fuel, and commonly used road salts.

**Type A** tubing is a single wall extrusion less than 5/16" OD in size, and only used for accessories such as gauges.

**Type B** tubing is a reinforced extrusion typically over 5/16" OD in size and used to supply air within the braking system.

Specifications	
Temperature Range	-49°F to 221°F
Material	Nylon 12 (PA 12)
Reinforcement (Type B)	Polyester
Safety Factor	4:1
Tariff Code	3917.32.0000

Certifications/Compliance	
SAE J 844	
DOT FMVSS 49 CFR 571.106	

Fitting Compatibility	
D.O.T. Push-to-Connect Fittings (page 21 - 22)	
D.O.T. Compression-Style Fittings (page 23)	

Material Availability by Color Code						
Item Code	Size	Black	Green	Navy Blue	Red	Yellow
DOT04	1/4"	✓	✓	✓	✓	✓
DOT06	3/8"	✓	✓	✓	✓	✓
DOT08	1/2"	✓	✓	✓	✓	✓
DOT10	5/8"	✓	✓	✓	✓	✓
DOT12	3/4"	X	X	X	X	X

✓ = Standard Lead Time  
 X = Extended Lead Time, Minimum Runs Apply  
 Availability is Subject to Change, Contact ATP

## DOT A 04 D NB

Material		Type	Tubing O.D.		Package Lengths		Color Code	
DOT	D.O.T. Nylon	A	04	1/4"	A	100 ft	BK	Black
		B	06	3/8"	B	250 ft	G	Green
			08	1/2"	C	500 ft	NB	Navy Blue
			10	5/8"	D	1000 ft	R	Red
			12	3/4"			Y	Yellow

## Fractional Sizes

Part Number (Add Color)	OD	ID	Length (ft)	Bend Radius	Working Pressure	Type
DOTA04A_	1/4" (0.250")	0.170"	100	1.00"	300 psi	A
DOTA04C_			500			
DOTA04D_			1,000			
DOTB06A_	3/8" (0.375")	0.251"	100	1.50"	300 psi	B
DOTB06C_			500			
DOTB08A_	1/2" (0.500")	0.376"	100	2.00"	235 psi	B
DOTB08C_			500			
DOTB10A_	5/8" (0.625")	0.441"	100	2.50"	225 psi	B
DOTB10B_			250			
DOTB12A_	3/4" (0.750")	0.566"	100	3.00"	200 psi	B
DOTB12B_			250			



# D.O.T. Tubing & Fittings



## D.O.T. Fittings

Constructed of brass and available in push-to-connect, compression, and rubber hose applications, TechniDOT™ is well-suited for air brake applications.



- Every TechniDOT™ Fitting is Quality Tested and Stamped with a Green Circle
- Pre-Applied Teflon® Sealant on Male Threads
- Full-Flow Design

### DOT 68 - 04 02

TechniDOT™		Fitting Style		Tubing/Hose Size		Thread Size	
02	1/8"	01	1/16"	02	1/8"	04	1/4"
04	1/4"	06	3/8"	08	1/2"	10	5/8"
05	5/32"	12	3/4"				

Specifications	
Temperature Range	-40° F to 212°F (-40°C to 100°C)
Maximum Working Pressure	260 psi (17,9 Bar)
Construction	Brass
Seals	NBR Rubber

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

## TechniDOT™ Push-to-Connect Fittings



Tube	Thread	45° Male Rigid	45° Male Swivel	Male Straight	Male Rigid Elbow	Male Swivel Elbow
5/32"	1/16" Male NPT	DOT54-0501*	DOT54S-0501*	DOT68-0501		
	1/8" Male NPT	DOT54-0502*	DOT54S-0502*	DOT68-0502	DOT69-0502	DOT69S-0502
	1/4" Male NPT	DOT54-0504*				DOT69S-0504
1/4"	1/16" Male NPT			DOT68-0401		
	1/8" Male NPT	DOT54-0402	DOT54S-0402	DOT68-0402	DOT69-0402	DOT69S-0402
	1/4" Male NPT	DOT54-0404	DOT54S-0404	DOT68-0404	DOT69-0404	DOT69S-0404
	3/8" Male NPT			DOT68-0406	DOT69-0406	DOT69S-0406
3/8"	1/8" Male NPT	DOT54-0602	DOT54S-0602	DOT68-0602	DOT69-0602	DOT69S-0602
	1/4" Male NPT	DOT54-0604	DOT54S-0604	DOT68-0604	DOT69-0604	DOT69S-0604
	3/8" Male NPT	DOT54-0606	DOT54S-0606	DOT68-0606	DOT69-0606	DOT69S-0606
	1/2" Male NPT	DOT54-0608		DOT68-0608	DOT69-0608	DOT69S-0608
1/2"	1/4" Male NPT	DOT54-0804	DOT54S-0804	DOT68-0804	DOT69-0804	DOT69S-0804
	3/8" Male NPT	DOT54-0806	DOT54S-0806	DOT68-0806	DOT69-0806	DOT69S-0806
	1/2" Male NPT	DOT54-0808	DOT54S-0808	DOT68-0808	DOT69-0808	DOT69S-0808
5/8"	3/8" Male NPT	DOT54-1006		DOT68-1006	DOT69-1006	DOT69S-1006
	1/2" Male NPT	DOT54-1008	DOT54S-1008	DOT68-1008	DOT69-1008	DOT69S-1008
3/4"	1/2" Male NPT	DOT54-1208		DOT68-1208	DOT69-1208	DOT69S-1208
	3/4" Male NPT	DOT54-1212	DOT54S-1212	DOT68-1212	DOT69-1212	DOT69S-1212

\* Non-Stock, Minimums Apply



# D.O.T. Tubing & Fittings



Tube	Thread	Hex Female Straight	Female Rigid Elbow	Female Swivel Elbow	Female Rigid Branch Tee	Female Swivel Branch Tee	Female Bulkhead Union
1/4"	1/8" Female NPT	DOT66-0402	DOT70-0402		DOT77-0402	DOT77S-0402	DOT86-0402
	1/4" Female NPT	DOT66-0404	DOT70-0404	DOT70S-0404	DOT77-0404	DOT77S-0404	DOT86-0404
	3/8" Female NPT		DOT70-0406				
3/8"	1/4" Female NPT	DOT66-0604	DOT70-0604		DOT77-0604	DOT77S-0604	DOT86-0604
	3/8" Female NPT	DOT66-0606	DOT70-0606		DOT77-0606		DOT86-0606
1/2"	3/8" Female NPT	DOT66-0806					DOT86-0806
	1/2" Female NPT	DOT66-0808	DOT70-0808				



Tube	Tube 2	Thread	Male Rigid Run Tee	Male Swivel Run Tee	Male Rigid Branch Tee	Male Swivel Branch Tee	Reducing Male Rigid Run Tee
1/4"	1/4"	1/8" Male NPT	DOT71-0402	DOT71S-0402	DOT72-0402	DOT72S-0402	
		1/4" Male NPT	DOT71-0404	DOT71S-0404	DOT72-0404	DOT72S-0404	
3/8"	1/4"	1/4" Male NPT					DOT78-060404
	3/8"	1/8" Male NPT				DOT72S-0602	
		1/4" Male NPT	DOT71-0604	DOT71S-0604	DOT72-0604	DOT72S-0604	
		3/8" Male NPT	DOT71-0606	DOT71S-0606	DOT72-0606		
1/2"	1/2"	1/4" Male NPT			DOT72-0804	DOT72S-0804	
		3/8" Male NPT	DOT71-0806	DOT71S-0806	DOT72-0806	DOT72S-0806	
		1/2" Male NPT		DOT71S-0808		DOT72S-0808	



Tube	Union	Bulkhead Union	Union Tee	Union Elbow
5/32"	DOT62-05			
1/4"	DOT62-04	DOT82-04	DOT64-04	DOT65-04
1/4" x 3/8"			DOT79-0406	
3/8"	DOT62-06	DOT82-06	DOT64-06	DOT65-06
3/8" x 5/32"			DOT79-0605	
3/8" x 1/4"			DOT79-0604	
1/2"	DOT62-08	DOT82-08	DOT64-08	DOT65-08
5/8"	DOT62-10	DOT82-10	DOT64-10	
3/4"	DOT62-12		DOT64-12	

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# D.O.T. Tubing & Fittings

## TechniDOT™ Compression Fittings (For Use with SAE J844 Nylon Tubing)



Tube	Ferrule	Nut	Union	Union Tee	Tube Insert
1/4"	DOT60-04	DOT61-04	DOT62C-04	DOT64C-04	DOT73C-04
1/4" x 3/8" x 3/8"				DOT64C-040606	
3/8"	DOT60-06	DOT61-06	DOT62C-06	DOT64C-06	DOT73C-06
3/8" x 3/8" x 1/4"				DOT64C-060604	
1/2"	DOT60-08	DOT61-08	DOT62C-08	DOT64C-08	DOT73C-08
1/2" x 1/2" x 3/8"				DOT64C-080806	
5/8"	DOT60-10	DOT61-10	DOT62C-10	DOT64C-10	DOT73C-10
3/4"	DOT60-12	DOT61-12	DOT62C-12	DOT64C-12	DOT73C-12



Tube	Thread	Male Connector	90° Male Elbow	Male Run Tee	Male Branch Tee	45° Male Elbow
1/4"	1/8" Male NPT	DOT68C-0402	DOT69C-0402	DOT71C-0402	DOT72C-0402	DOT95C-0402
	1/4" Male NPT	DOT68C-0404	DOT69C-0404	DOT71C-0404	DOT72C-0404	DOT95C-0404
	3/8" Male NPT	DOT68C-0406	DOT69C-0406			
3/8"	1/8" Male NPT	DOT68C-0602	DOT69C-0602		DOT72C-0602	DOT95C-0602
	1/4" Male NPT	DOT68C-0604	DOT69C-0604	DOT71C-0604	DOT72C-0604	DOT95C-0604
3/8" x 1/4"	1/4" Male NPT			DOT71C-060404		
3/8"	3/8" Male NPT	DOT68C-0606	DOT69C-0606	DOT71C-0606	DOT72C-0606	DOT95C-0606
	1/2" Male NPT	DOT68C-0608	DOT69C-0608			DOT95C-0608
1/2"	1/4" Male NPT	DOT68C-0804	DOT69C-0804		DOT72C-0804	DOT95C-0804
	3/8" Male NPT	DOT68C-0806	DOT69C-0806	DOT71C-0806	DOT72C-0806	DOT95C-0806
	1/2" Male NPT	DOT68C-0808	DOT69C-0808	DOT71C-0808	DOT72C-0808	DOT95C-0808
	3/4" Male NPT	DOT68C-0812				
5/8"	3/8" Male NPT	DOT68C-1006	DOT69C-1006			DOT95C-1006
	1/2" Male NPT	DOT68C-1008	DOT69C-1008	DOT71C-1008	DOT72C-1008	DOT95C-1008
3/4"	1/2" Male NPT	DOT68C-1208	DOT69C-1208			DOT95C-1208
	3/4" Male NPT	DOT68C-1212				

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# D.O.T Tubing & Fittings

## TechniDOT™ Rubber Hose Fittings (For Use with SAE J1402 Rubber Hose)



Hose ID	Thread	Male Connector With Spring	Male Connector Without Spring	Female Crimp Connector	Male Connector Body
3/8"	1/4"	DOT78RH-0604	DOT68RH-0604		
	3/8"	DOT78RH-0606	DOT68RH-0606		DOT66RHB-0606
	1/2"	DOT78RH-0608	DOT68RH-0608		DOT66RHB-0608
	3/4"			DOT66RH-0612	
1/2"	3/8"	DOT78RH-0806	DOT68RH-0806		DOT66RHB-0806
	1/2"	DOT78RH-0808	DOT68RH-0808		DOT66RHB-0808
	7/8"			DOT66RH-0814	



Hose ID	Sleeve	Spring Guard Nut	Rubber Union	Spring
3/8"	DOT60RH-06	DOT61RH-06	DOT62RH-06	DOT70RH-06
1/2"	DOT60RH-08	DOT61RH-08	DOT62RH-08	DOT70RH-08

## TechniDOT™ Thread Adapters



Thread 1	Thread 2	Male Adapter
3/8"	1/4"	DOT88-0604

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Weld-Spatter Tubing & Fittings



## Weld Spatter-Resistant Tubing

Armor-Weld™ Spatter-Resistant Tubing is specifically designed for use near welding operations. The protective olefin flame-resistant jacket provides protection against **direct** exposure to weld sparks.

- Armored Jacket Protects Tubing in Welding Environments
- Superior Kink Resistance
- High Abrasion Resistance
- UV-Resistant
- Oil-Resistant
- Flame-Retardant Cover
- Resists Hydrolysis
- Ozone-Resistant
- Connections are Made by Stripping Jacket and Exposing Tubing Core

Specifications	
Temperature Range	-68°F to 140°F*
Vacuum Rating	28" HG
Hardness	Shore 98A
Safety Factor	3:1
Material	PU w/ Olefin Jacket (Polyurethane)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance
UL94VO (Outer Jacket)
UL Yellow Card Listed
RoHs/Reach Compliant

Fitting Compatibility
Technifit™ Push to Connect (Page 34 - 48)
Compression
Hose-Barb (Page 67)

Material Availability by Color Code							
Model	BK	G	LB	R	Y	W	
LE04M/532	X	X	X	X	X	X	
LE14	✓	✓	✓	✓	X	X	
LE08M/516	✓	✓	✓	✓	✓	✓	
LE38	✓	X	✓	X	X	X	
LE12	✓	X	✓	LQ	X	X	
LE06M	✓	✓	✓	✓	✓	✓	
LE10M	✓	✓	✓	✓	✓	✓	
LE12M	✓	✓	✓	X	✓	✓	

✓ = Standard Lead Time  
 LQ = Limited Quantities, Contact ATP  
 X = Non-Stock, Minimum Runs Required  
 Availability is Subject to Change, Contact ATP

### LE 14 A BK

Material		Outside Diameter		Package Lengths		Color Code	
LE	Weld Spatter PU	04M/532	4mm / 5/32"	B	250'	BK	Black
2LE	2-Core Weld Spatter PU	14	1/4"	F	328'/100m	G	Green
		08M/516	8mm / 5/16"			LB	Light Blue
		38	3/8"			R	Red
		12	1/2"			W	White
		06M	6mm			Y	Yellow
		10M	10mm				
		12M	12mm				



## Warning

This product can expose you to chemicals including Antimony Trioxide which is known to the State of California to cause cancer.

For more information, go to:

[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Weld-Spatter Tubing & Fittings



## Fractional Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Jacket Thickness	Bend Radius	Working Pressure at 75°F	Number Cores	Package Weight
LE04M/532F_	0.156" (5/32")	0.098"	328'/100m	0.029"	0.039"	0.39"	200 psi	1	8.00 lb
2LE04M/532F_								2 (Bonded)	16.00 lb
LE14B_	0.250" (1/4")	0.156" (5/32")	250'	0.047"	0.039"	0.59"	180 psi	1	8.65 lb
2LE14B_								2 (Bonded)	17.30 lb
LE08M/516F_	0.312" (5/16")	0.196"	328'/100m	0.058"	0.039"	0.78"	175 psi	1	15.20 lb
2LE08M/516F_								2 (Bonded)	30.40 lb
LE38B_	0.375" (3/8")	0.250" (1/4")	250'	0.062"	0.039"	0.98"	150 psi	1	15.20 lb
2LE8B_								2 (Bonded)	30.40 lb
LE12B_	0.500" (1/2")	0.328" (21/64")	250'	0.086"	0.039"	1.17"	150 psi	1	23.20 lb
2LE12B_								2 (Bonded)	46.40 lb

## Metric Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Jacket Thickness	Bend Radius	Working Pressure at 75°F	Number Cores	Package Weight
LE04M/532F_	4mm	2.5mm	328'/100m	0.75mm	1mm	10mm	200 psi	1	8.00 lb
2LE04M/532F_								2 (Bonded)	16.00 lb
LE06MF_	6mm	4mm	328'/100m	1.00mm	1mm	15mm	180 psi	1	10.00 lb
2LE06MF_								2 (Bonded)	20.00 lb
LE08M/516F_	8mm	5mm	328'/100m	1.50mm	1mm	20mm	175 psi	1	15.20 lb
2LE08M/516F_								2 (Bonded)	30.40 lb
LE10MF_	10mm	6.5mm	328'/100m	1.75mm	1mm	25mm	150 psi	1	21.60 lb
2LE10MF_								2 (Bonded)	43.20 lb
LE12MF_	12mm	8mm	328'/100m	2.00mm	1mm	30mm	150 psi	1	28.00 lb
2LE12MF_								2 (Bonded)	56.00 lb

## Armor-Weld™ Jacketed Weld-Spatter Tubing Skiving Tool

Designed for use with a drill, the Armor-Weld™ Skiving Tool allows users to efficiently remove the jacket from Armor-Weld Tubing.



- Safely Removes Weld-Spatter Jackets
- Repeatability for Production Settings
- Standard 1/4" Driver Bit, Fits Common Drills and Drivers

### Metric Tube Sizes

Item	Tubing Size
TS-200-8MM	5/16" or 8mm
TS-200-10MM	10mm
TS-200-12MM	12mm

# Weld-Spatter Tubing & Fittings



## Single-Core Weld-Spatter Tubing

MonoShield™ Spatter-Resistant Tubing is a rubber/polyurethane blended material specifically designed for use near welding operations. Extruded from a single core, there is no extra process required, such as stripping away a jacket. MonoShield provides protection against **indirect** exposure to weld sparks.



- Single-Core Extrusion, No Stripping of Jacket Required
- Suited for Automation Environments
- Superior Kink Resistance
- Abrasion-Resistant
- UV-Resistant
- Oil-Resistant
- Flame-Resistant
- Resists Hydrolysis

Specifications	
Temperature Range	-68°F to 140°F
Vacuum Rating	28" HG
Hardness	Shore 98A
Safety Factor	3:1
Material	Polyurethane
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance
UL94VO

Fitting Compatibility
Technifit™ Push to Connect (Page 34 - 48)
Compression
Hose-Barb (Page 67)

Material Availability by Color Code							
Model	BK	G	LB	R	W	Y	
MS04M/532	LQ	X	LQ	X	X	X	
MS14	LQ	X	LQ	LQ	X	X	
MS08M/516	LQ	X	X	X	X	X	
MS38	LQ	X	X	X	X	X	
MS12	LQ	X	X	LQ	X	X	
MS06M	X	X	X	X	X	X	
MS10M	X	X	X	X	X	X	
MS12M	X	X	X	X	X	X	

LQ = Limited Quantities X = Non-Stock, Minimum Runs Required  
Availability is Subject to Change, Contact ATP

## MS 14 A Y

Material		Outside Diameter		Package Lengths		Color Code	
MS	Single Core Weld Spatter	MS04M/532	4mm / 5/32"	A	100'	BK	Black
		MS14	1/4"	B	250'	G	Green
2MS	Bonded Weld Spatter	MS08M/516	8mm / 5/16"			LB	Light Blue
		MS38	3/8"			R	Red
		MS12	1/2"			W	White
		MS06M	6mm			Y	Yellow
		MS10M	10mm				
		MS12M	12mm				
		MS16M	16mm				



# Weld-Spatter Tubing & Fittings



## Fractional Sizes

Part Number (Add Color)	OD	ID	Length	Wall Thickness	Bend Radius	Working Pressure at 75°F	Number Tubes	Package Weight
MS04M/532A_	0.156" (5/32")	0.093"	100'	0.312"	0.500"	200 psi	1	0.60 lb
MS04M/532B_			250'					1.50 lb
2MS04M/532A_			100'				2 (Bonded)	1.20 lb
2MS04M/532B_			250'					3.00 lb
MS14A_	0.250" (1/4")	0.156" (5/32")	100'	0.047"	0.625"	180 psi	1	1.50 lb
MS14B_			250'					3.75 lb
2MS14A_			100'				2 (Bonded)	3.00 lb
2MS14B_			250'					7.50 lb
MS08M/516A_	0.312" (5/16")	0.188" (3/16")	100'	0.062"	0.750"	175 psi	1	2.50 lb
MS08M/516B_			250'					6.25 lb
2MS08M/516A_			100'				2 (Bonded)	5.00 lb
2MS08M/516B_			250'					12.50 lb
MS38A_	0.375" (3/8")	0.250" (1/4")	100'	0.062"	1.000"	150 psi	1	3.10 lb
MS38B_			250'					7.75 lb
2MS38A_			100'				2 (Bonded)	6.20 lb
2MS38B_			250'					15.50 lb
MS12A_	0.500" (1/2")	0.328" (21/64")	100'	0.085"	1.250"	150 psi	1	6.10 lb
MS12B_			250'					15.25 lb
2MS12A_			100'				2 (Bonded)	12.20 lb
2MS12B_			250'					30.50 lb





# Weld-Spatter Tubing & Fittings



## Weld Spatter Push-to-Connect Fittings

Weld Spatter-Resistant Push-to-Connect fittings are specifically designed for use near welding operations. The unique design of the release ring prevents welding slag from interfering with the operation of the fitting.

### WPC 4 - 01

Weld Fittings	Model	Tube Size		Thread Size	
		4	4mm	01	1/8"
		6	6mm	02	1/4"
		8	8mm	03	3/8"
		10	10mm	04	1/2"
		12	12mm	M5	M5 x 0.8
				M6	M6 x 1.0
				M12	M12 x 1.5
				M12	M12 x 1.5

Specifications	
Working Pressure	-14 to 225 psi (-0.99 to 15 Bar)
Temperature Range	-4°F to 160°F (-15°C to 71°C)
Vacuum Rating	28" HG
Recommended Tubing	Weld Spatter-Resistant Tubings
Media	Compressed Air/Inert Gases

#### Jacket Removal Requirements

Tube Size	Length of Jacket to Strip
1/4" or 6mm	0.70" (17.0mm)
5/16" or 8mm	0.73" (18.7mm)
3/8" or 10mm	0.82" (21.0mm)
1/2" or 12mm	0.89" (22.6mm)



**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Tube	Thread	Male Hex Straight	Female Hex Straight
1/4"	1/8" NPT	WPC1/4-N01	WPCF1/4-N01
	1/4" NPT	WPC1/4-N02	WPCF1/4-N02
	3/8" NPT	WPC1/4-N03	WPCF1/4-N03
	1/2" NPT	WPC1/4-N04	WPCF1/4-N04
5/16"	1/8" NPT	WPC5/16-N01	WPCF5/16-N01
	1/4" NPT	WPC5/16-N02	WPCF5/16-N02
	3/8" NPT	WPC5/16-N03	WPCF5/16-N03
	1/2" NPT	WPC5/16-N04	WPCF5/16-N04
3/8"	1/8" NPT	WPC3/8-N01	WPCF3/8-N01
	1/4" NPT	WPC3/8-N02	WPCF3/8-N02
	3/8" NPT	WPC3/8-N03	WPCF3/8-N03
	1/2" NPT	WPC3/8-N04	WPCF3/8-N04
1/2"	1/4" NPT	WPC1/2-N02	WPCF1/2-N02
	3/8" NPT	WPC1/2-N03	WPCF1/2-N03
	1/2" NPT	WPC1/2-N04	WPCF1/2-N04
6mm	1/8" BSPT (R)	WPC06-01	WPCF06-01
	1/4" BSPT (R)	WPC06-02	WPCF06-02
	3/8" BSPT (R)	WPC06-03	WPCF06-03
	1/2" BSPT (R)	WPC06-04	WPCF06-04
8mm	1/8" BSPT (R)	WPC08-01	WPCF08-01
	1/4" BSPT (R)	WPC08-02	WPCF08-02
	3/8" BSPT (R)	WPC08-03	WPCF08-03
	1/2" BSPT (R)	WPC08-04	WPCF08-04
10mm	1/8" BSPT (R)	WPC10-01	WPCF10-01
	1/4" BSPT (R)	WPC10-02	WPCF10-02
	3/8" BSPT (R)	WPC10-03	WPCF10-03
	1/2" BSPT (R)	WPC10-04	WPCF10-04
12mm	1/4" BSPT (R)	WPC12-02	WPCF12-02
	3/8" BSPT (R)	WPC12-03	WPCF12-03
	1/2" BSPT (R)	WPC12-04	WPCF12-04



# Weld-Spatter Tubing & Fittings



Tube	Thread	Male Elbow	Male Branch Tee	Male Run Tee
1/4"	1/8" NPT	WPL1/4-N01	WPT1/4-N01	WPST1/4-N01
	1/4" NPT	WPL1/4-N02	WPT1/4-N02	WPST1/4-N02
	3/8" NPT	WPL1/4-N03	WPT1/4-N03	WPST1/4-N03
	1/2" NPT	WPL1/4-N04	WPT1/4-N04	WPST1/4-N04
5/16"	1/8" NPT	WPL5/16-N01	WPT5/16-N01	WPST5/16-N01
	1/4" NPT	WPL5/16-N02	WPT5/16-N02	WPST5/16-N02
	3/8" NPT	WPL5/16-N03	WPT5/16-N03	WPST5/16-N03
	1/2" NPT	WPL5/16-N04	WPT5/16-N04	WPST5/16-N04
3/8"	1/8" NPT	WPL3/8-N01	WPT3/8-N01	WPST3/8-N01
	1/4" NPT	WPL3/8-N02	WPT3/8-N02	WPST3/8-N02
	3/8" NPT	WPL3/8-N03	WPT3/8-N03	WPST3/8-N03
	1/2" NPT	WPL3/8-N04	WPT3/8-N04	WPST3/8-N04
1/2"	1/4" NPT	WPL1/2-N02	WPT1/2-N02	WPST1/2-N02
	3/8" NPT	WPL1/2-N03	WPT1/2-N03	WPST1/2-N03
	1/2" NPT	WPL1/2-N04	WPT1/2-N04	WPST1/2-N04
6mm	1/8" BSPT (R)	WPL06-01	WPT06-01	WPST06-01
	1/4" BSPT (R)	WPL06-02	WPT06-02	WPST06-02
	3/8" BSPT (R)	WPL06-03	WPT06-03	WPST06-03
	1/2" BSPT (R)	WPL06-04	WPT06-04	WPST06-04
8mm	1/8" BSPT (R)	WPL08-01	WPT08-01	WPST08-01
	1/4" BSPT (R)	WPL08-02	WPT08-02	WPST08-02
	3/8" BSPT (R)	WPL08-03	WPT08-03	WPST08-03
	1/2" BSPT (R)	WPL08-04	WPT08-04	WPST08-04
10mm	1/8" BSPT (R)	WPL10-01	WPT10-01	WPST10-01
	1/4" BSPT (R)	WPL10-02	WPT10-02	WPST10-02
	3/8" BSPT (R)	WPL10-03	WPT10-03	WPST10-03
	1/2" BSPT (R)	WPL10-04	WPT10-04	WPST10-04
12mm	1/4" BSPT (R)	WPL12-02	WPT12-02	WPST12-02
	3/8" BSPT (R)	WPL12-03	WPT12-03	WPST12-03
	1/2" BSPT (R)	WPL12-04	WPT12-04	WPST12-04



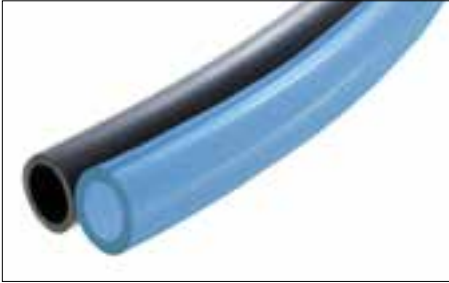
**Warning**  
 This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.  
 For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Tube	Union	Union Elbow	Union Tee	Bulkhead Union
1/4"	WPUC1/4	WPUL1/4	WPUT1/4	WPMM1/4
5/16" or 8mm	WPUC5/16	WPUL5/16	WPUT5/16	WPMM5/16
3/8"	WPUC3/8	WPUL3/8	WPUT3/8	WPMM3/8
1/2"	WPUC1/2	WPUL1/2	WPUT1/2	WPMM1/2
6mm	WPUC06	WPUL06	WPUT06	WPMM06
10mm	WPUC10	WPUL10	WPUT10	WPMM10
12mm	WPUC12	WPUL12	WPUT12	WPMM12

# Bonded Tubing



## Bonded NSF 51® Polyurethane Tubing



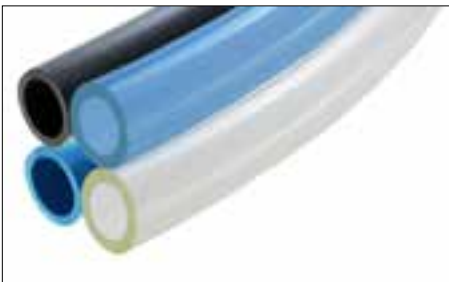
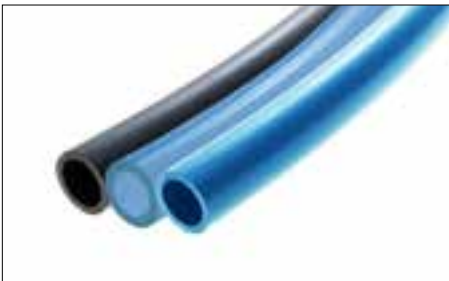
ATP's Technibond® series utilizes NSF 51® Certified Surethane™ 98A Polyurethane tubing to create multiple-bore bonded tubing.

- Time-Saving Measure for OEM Applications
- Resistant to Hydrolysis and Oil
- Kink and Abrasion-Resistant



### 2 MP - 532 - A - 01

Number of Tubes		Model		Tube OD		Length (Fractional)		Color (2 Bore Only)	
2	2 Bore	MP	Bonded 98A PU	532	5/32"	A	25 ft	01	Black/Clear Blue
3	3 Bore			14	1/4"	B	50 ft	02	Light Blue/Clear
4	4 Bore			38	3/8"	C	100 ft		
				12	1/2"	D	250 ft		
				04M	4mm	E	500 ft		
				06M	6mm	F	1,000 ft		
				08M	8mm	Length (Metric)			
				10M	10mm	50	50 ft		
				12M	12mm	A	10m		
						B	20m		
						C	50m		
						D	100m		
						E	200m		
						F	300m		



**Note:** See Back Cover or Website for Chemical Compatibility

Specifications	
Temperature Range	-40°F to 160°F*
Vacuum Rating	28" HG
Tolerance (1/8" to 1/2")	+/- .005"
Tolerance (9/16" to 3/4")	+/- .006"
Hardness	Shore 98A
Safety Factor	3:1
Material	PU (Polyurethane)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance
ROHS Compliant
UL94HB Compliant
NSF 51® Certified
Meets NSF 61® Requirements

Fitting Compatibility
Technifit™ Push to Connect (Page 34 - 48)
Compression
Hose-Barb (Page 67)



# Bonded Spirals



## Bonded NSF 51® Polyurethane Spirals

ATP's Technibond® series utilizes NSF 51® Certified Surethane™ 98A Polyurethane tubing to create multiple-bore bonded spirals.

- Time-Saving Measure for OEM Applications
- Resistant to Hydrolysis and Oil
- Kink and Abrasion-Resistant

All Technibond™ Spirals are offered in **number of turns** which provide varying working lengths for each diameter.

**See supplied charts for working length.**



2 Bore (Black/Clear Blue)



3 Bore



4 Bore

### 2 MPS - 532 - 05 - 01

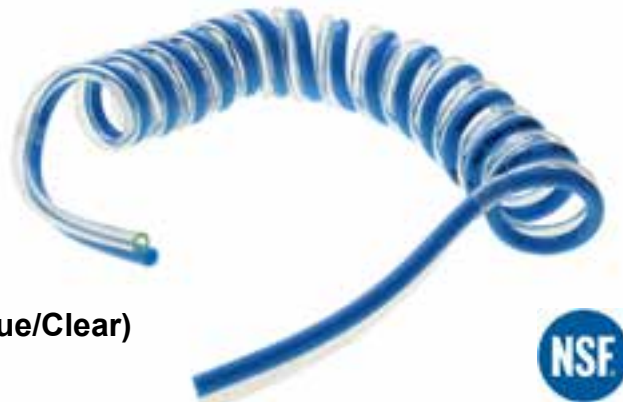
Number of Tubes		Model		Tube OD		Number of Turns		Color (2 Bore Only)	
2	2 Bore	MPS	Bonded 98A PU Spiral	532	5/32"	05	5	01	Black/Clear Blue
3	3 Bore			14	1/4"	10	10	02	Light Blue/Clear
4	4 Bore			38	3/8"	15	15		
				12	1/2"	20	20		
				04M	4mm	30	30		
				06M	6mm	40	40		
				08M	8mm				
				10M	10mm				
				12M	12mm				

Specifications	
Temperature Range	-40°F to 160°F*
Vacuum Rating	28" HG
Tolerance (1/8" to 1/2")	+/- .005"
Tolerance (9/16" to 3/4")	+/- .006"
Hardness	Shore 98A
Safety Factor	3:1
Material	PU (Polyurethane)
Pressure Range	See Charts
Media	Gases & Liquids
Tariff Code	3917.32.0000

Certifications/Compliance
ROHS Compliant
UL94HB Compliant
NSF 51® Certified
Meets NSF 61® Requirements

Fitting Compatibility
Technifit™ Push to Connect (Page 34 - 48)
Compression
Hose-Barb (Page 67)

**Note:** See Back Cover or Website for Chemical Compatibility



2 Bore (Light Blue/Clear)



# Bonded Spirals

## Custom Assemblies

Advanced Technology Products can provide custom assemblies for specialized situations. The following services are available:

- Custom Tubing Sizes
- Custom Spiral Hose Assemblies
- Custom Straight Hose Assemblies
- Custom Bonded Straight and Spiral Assemblies

Download and submit your Custom Quotation Request at the following web address:

<http://www.atp4pneumatics.com/request-quoteinfo/>



**Custom Bonded Polyurethane Tubing or Spiral RFQ Form**

<b>Style (Check One)</b> Bonded Straight Tubing <input type="checkbox"/> Bonded Spiral Tubing <input type="checkbox"/>		<b>Configuration (Check One)</b> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>  Ribbon Pyramid Stacked			<b>Total Units Required (Fill Out)</b> Units <input type="text"/> Total # Feet <input type="text"/> Meters <input type="text"/>					
Tubing Information (Fill Out)										
Tube #	1	2	3	4	5	6	7	8	9	10
O.D.										
Color										
Electric *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
*Note: 23 AWG 6 Conductor Stranded Wire is available. Check the Box where each wire will be installed.										
							<b>Spiral Specs (Specify Unit of Measure)</b> Working Length Tail 1 Length (B) Tail 2 Length (D) Spiral O.D. (E)			
<b>Packaging Style (Check One)</b> Shrink Wrapped (Spirals and Tubing) <input type="checkbox"/> Spool (Tubing Only) <input type="checkbox"/> Bulk Boxed (Spirals and Tubing) <input type="checkbox"/>			<b>Roll Size (Tubing Only)</b> 25 ft <input type="checkbox"/> 250 ft <input type="checkbox"/> 25m <input type="checkbox"/> 50 ft <input type="checkbox"/> 500 ft <input type="checkbox"/> 100m <input type="checkbox"/> 100 ft <input type="checkbox"/> 1,000 ft <input type="checkbox"/> Other <input type="text"/>			<b>Fittings (Check or Specify)</b> No <input type="checkbox"/> Yes <b>Pneumatic Couplings (Check or Specify)</b> No <input type="checkbox"/> Yes				



# Push-to-Connect Fittings

## Push-to-Connect Fittings are Offered in Four Styles



**Resin Series**

**Largest Offering of Sizes and configurations**



Specifications	
Working Pressure	150 psi
Temperature Range	32°F to 140°F
Vacuum Rating	29.5 " HG
Metal Body Material	Nickel-Plated Brass
Resin Body Material	PBT Resin
O-Ring	NBR (Buna-N)
Grip Ring	Stainless Steel
Release Ring	Acetal Plastic
Media	Compressed Air/Inert Gases



**Nickel-Plated Brass Series**

**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**Increased Working Pressure**



Specifications	
Working Pressure	217 psi
Temperature Range	4°F to 160°F
Vacuum Rating	28 " HG
Metal Body Material	Nickel-Plated Brass
O-Ring	NBR (Buna-N)
Grip Ring	Stainless Steel
Release Ring	Nickel-Plated Brass
Media	Compressed Air/Inert Gases



**Stainless Steel Series**

**Highest Working Pressure  
Highest Corrosion Resistance**



Specifications	
Working Pressure	290 psi
Temperature Range	-20°F to 420°F
Vacuum Rating	29.5 " HG
Metal Body Material	316 Stainless Steel
O-Ring	Viton®
Grip Ring	301 Stainless Steel
Release Ring	316 Stainless Steel
Media	Compressed Air/Inert Gases



**For Contact with Potable Water or Food & Beverage Equipment**



Specifications	
Working Pressure @ 77°F	232 psi
Working Pressure @ 158°F	145 psi
Temperature Range	32°F to 158°F
Resin Body Material	POM
O-Ring	EPDM Rubber
Release Ring	POM & STS301
Media	Compressed Air/ Inert Gases/ Water/ Fluids
Max Install Torque 1/8 NPT	1.1 lb/ft
Max Install Torque 1/4-1/2 NPT	2.2 lb/ft

# Push-to-Connect Fittings

## Male Hex Straight

Hex Male Straight Fittings feature a hex outer shape, allowing for simplified installation.



Tube OD	Thread	Resin	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	1/8" Male NPT	PC5/32-N1	B532-01M	SS532-01M	HPC5/32-N01
	1/4" Male NPT	PC5/32-N2	B532-02M	SS532-02M	HPC5/32-N02
	3/8" Male NPT	PC5/32-N3		SS532-03M	
1/4"	1/8" Male NPT	PC1/4-N1	B14-01M	SS14-01M	HPC1/4-N01
	1/4" Male NPT	PC1/4-N2	B14-02M	SS14-02M	HPC1/4-N02
	3/8" Male NPT	PC1/4-N3		SS14-03M	HPC1/4-N03
	1/2" Male NPT	PC1/4-N4			HPC1/4-N04
5/16"	1/8" Male NPT	PC5/16-N1	B516-01M	SS516-01M	HPC5/16-N01
	1/4" Male NPT	PC5/16-N2	B516-02M	SS516-02M	HPC5/16-N02
	3/8" Male NPT	PC5/16-N3	B516-03M	SS516-03M	HPC5/16-N03
	1/2" Male NPT	PC5/16-N4		SS516-04M	HPC5/16-N04
3/8"	1/8" Male NPT	PC3/8-N1	B38-01M	SS38-01M	HPC3/8-N01
	1/4" Male NPT	PC3/8-N2	B38-02M	SS38-02M	HPC3/8-N02
	3/8" Male NPT	PC3/8-N3	B38-03M	SS38-03M	HPC3/8-N03
	1/2" Male NPT	PC3/8-N4	B38-04M	SS38-04M	HPC3/8-N04
1/2"	1/8" Male NPT	PC1/2-N1			
	1/4" Male NPT	PC1/2-N2	B12-02M	SS12-02M	
	3/8" Male NPT	PC1/2-N3	B12-03M	SS12-03M	HPC1/2-N03
	1/2" Male NPT	PC1/2-N4	B12-04M	SS12-04M	HPC1/2-N04
4mm	1/8" Male BSPT (R)	PC04-01	B04-01M-PT	SS04-01M-PT	HPC04-R01
	1/4" Male BSPT (R)	PC04-02	B04-02M-PT	SS04-02M-PT	
	3/8" Male BSPT (R)	PC04-03			
6mm	1/8" Male BSPT (R)	PC06-01	B06-01M-PT	SS06-01M-PT	HPC06R01
	1/4" Male BSPT (R)	PC06-02	B06-02M-PT	SS06-02M-PT	HPC06R02
	3/8" Male BSPT (R)	PC06-03		SS06-03M-PT	HPC06R03
	1/2" Male BSPT (R)	PC06-04			
8mm	1/8" Male BSPT (R)	PC08-01	B08-01M-PT	SS08-01M-PT	HPC08R01
	1/4" Male BSPT (R)	PC08-02	B08-02M-PT	SS08-02M-PT	HPC08R02
	3/8" Male BSPT (R)	PC08-03	B08-03M-PT	SS08-03M-PT	HPC08R03
	1/2" Male BSPT (R)	PC08-04			
10mm	1/8" Male BSPT (R)	PC10-01		SS10-01M-PT	
	1/4" Male BSPT (R)	PC10-02	B10-02M-PT	SS10-02M-PT	
	3/8" Male BSPT (R)	PC10-03	B10-03M-PT	SS10-03M-PT	HPC10R03
	1/2" Male BSPT (R)	PC10-04		SS10-04M-PT	HPC10R04
12mm	1/8" Male BSPT (R)	PC12-01		SS12-01M-PT	
	1/4" Male BSPT (R)	PC12-02	B12-02M-PT	SS12-02M-PT	
	3/8" Male BSPT (R)	PC12-03	B12-03M-PT	SS12-03M-PT	HPC12R03
	1/2" Male BSPT (R)	PC12-04	B12-04M-PT	SS12-04M-PT	HPC12R04



# Push-to-Connect Fittings

## Hex Female Straight

Equipped with a hex body, allowing for simplified Installation.



Tube OD	Thread	Resin	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	1/8" Female NPT	PCF5/32-N1	B532-01F	SS532-01F	
	1/4" Female NPT	PCF5/32-N2		SS532-02F	
	3/8" Female NPT				
1/4"	1/8" Female NPT	PCF1/4-N1	B14-01F	SS14-01F	HPF1/4-N01
	1/4" Female NPT	PCF1/4-N2	B14-02F	SS14-02F	HPF1/4-N02
	3/8" Female NPT	PCF1/4-N3			
5/16"	1/8" Female NPT	PCF5/16-N1	B516-01F	SS516-01F	
	1/4" Female NPT	PCF5/16-N2	B516-02F	SS516-02F	
	3/8" Female NPT	PCF5/16-N3		SS516-03F	
	1/2" Female NPT	PCF5/16-N4		SS516-04F	
3/8"	1/8" Female NPT	PCF3/8-N1		SS38-01F	
	1/4" Female NPT	PCF3/8-N2	B38-02F	SS38-02F	HPF3/8-N02
	3/8" Female NPT	PCF3/8-N3	B38-03F	SS38-03F	
	1/2" Female NPT	PCF3/8-N4		SS38-04F	
1/2"	1/4" Female NPT	PCF1/2-N2		SS12-02F	
	3/8" Female NPT	PCF1/2-N3		SS12-03F	
	1/2" Female NPT	PCF1/2-N4		SS12-04F	

Tube OD	Thread	Resin	Stainless Steel
4mm	1/8" Female BSPT (R)	PFC04-01	SS04-01F-PT
	1/4" Female BSPT (R)	PCF04-02	
	3/8" Female BSPT (R)	PCF04-03	
6mm	1/8" Female BSPT (R)	PCF06-01	SS06-01F-PT
	1/4" Female BSPT (R)	PCF06-02	SS06-02F-PT
	3/8" Female BSPT (R)	PCF06-03	
	1/2" Female BSPT (R)	PCF06-04	
8mm	1/8" Female BSPT (R)	PCF08-01	
	1/4" Female BSPT (R)	PCF08-02	SS08-02F-PT
	3/8" Female BSPT (R)	PCF08-03	SS08-03F-PT
	1/2" Female BSPT (R)	PCF08-04	SS08-04F-PT
	1/2" Female BSPT (R)	PCF08-04	SS08-04F-PT
10mm	1/8" Female BSPT (R)	PCF10-01	SS10-01F-PT
	1/4" Female BSPT (R)	PCF10-02	SS10-02F-PT
	3/8" Female BSPT (R)	PCF10-03	SS10-03F-PT
	1/2" Female BSPT (R)	PCF10-04	SS10-04F-PT
12mm	1/4" Female BSPT (R)	PCF12-02	SS12-02F-PT
	3/8" Female BSPT (R)	PCF12-03	SS12-03F-PT
	1/2" Female BSPT (R)	PCF12-04	SS12-04F-PT

## Swivel Female Elbow

Swivel Female Elbows are configured in a 90° elbow with an external hex for tightening. The swivel body enables flexibility during both installation and operation.



Tube OD	Thread	Resin	Nickel-Plated Brass
5/32"	1/8" Female NPT	PLF5/32-N1	B532-01FL
	1/4" Female NPT	PLF5/32-N2	
1/4"	1/8" Female NPT	PLF1/4-N1	B14-01FL
	1/4" Female NPT	PLF1/4-N2	B14-02FL
	3/8" Male NPT	PLF1/4-N3	
5/16"	1/8" Female NPT	PLF5/16-N1	B516-01FL
	1/4" Female NPT	PLF5/16-N2	B516-02FL
	3/8" Female NPT	PLF5/16-N3	
3/8"	1/4" Female NPT	PLF3/8-N2	B38-02FL
	3/8" Female NPT	PLF3/8-N3	B38-03FL
	1/2" Female NPT	PLF3/8-N4	
1/2"	3/8" Female NPT	PLF1/2-N3	
	1/2" Female NPT	PLF1/2-N4	
4mm	1/8" Female BSPT (R)	PLF04-01	B04-01FL-PT
	1/4" Female BSPT (R)	PLF04-02	

Tube OD	Thread	Resin	Nickel-Plated Brass
6mm	1/8" Female BSPT (R)	PLF06-01	B06-01FL-PT
	1/4" Female BSPT (R)	PLF06-02	B06-02FL-PT
	3/8" Female BSPT (R)	PLF06-03	
	1/2" Female BSPT (R)	PLF06-04	
8mm	1/8" Female BSPT (R)	PLF08-01	B08-01FL-PT
	1/4" Female BSPT (R)	PLF08-02	B08-02FL-PT
	3/8" Female BSPT (R)	PLF08-03	
	1/2" Female BSPT (R)	PLF08-04	
10mm	1/8" Female BSPT (R)	PLF10-01	
	1/4" Female BSPT (R)	PLF10-02	B10-02FL-PT
	3/8" Female BSPT (R)	PLF10-03	B10-03FL-PT
	1/2" Female BSPT (R)	PLF10-04	
12mm	1/4" Female BSPT (R)	PLF12-02	
	3/8" Female BSPT (R)	PLF12-03	
	1/2" Female BSPT (R)	PLF12-04	

# Push-to-Connect Fittings

## Swivel Male Elbow

Swivel Male Elbows are configured in a 90° elbow with an external hex for installation.

The swivel body enables flexibility during both installation and operation.



Tube OD	Thread	Resin	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	1/8" Male NPT	PL5/32-N1	B532-01ML	SS532-01ML	HRPL5/32-N01
	1/4" Male NPT	PL5/32-N2	B532-02ML	SS532-02ML	HRPL5/32-N02
	3/8" Male NPT			SS532-03ML	
1/4"	1/8" Male NPT	PL1/4-N1	B14-01ML	SS14-01ML	HRPL1/4-N01
	1/4" Male NPT	PL1/4-N2	B14-02ML	SS14-02ML	HRPL1/4-N02
	3/8" Male NPT	PL1/4-N3		SS14-03ML	
5/16"	1/8" Male NPT	PL5/16-N1	B516-01ML	SS516-01ML	HRPL5/16-N01
	1/4" Male NPT	PL5/16-N2	B516-02ML	SS516-02ML	HRPL5/16-N02
	3/8" Male NPT	PL5/16-N3	B516-03ML	SS516-03ML	HRPL5/16-N03
	1/2" Male NPT	PL5/16-N4		SS516-04ML	
3/8"	1/8" Male NPT	PL3/8-N1	B38-01ML	SS38-01ML	
	1/4" Male NPT	PL3/8-N2	B38-02ML	SS38-02ML	HRPL3/8-N02
	3/8" Male NPT	PL3/8-N3	B38-03ML	SS38-03ML	HRPL3/8-N03
	1/2" Male NPT	PL3/8-N4	B38-04ML	SS38-04ML	HRPL3/8-N04
1/2"	1/4" Male NPT	PL1/2-N2	B12-02ML	SS12-02ML	
	3/8" Male NPT	PL1/2-N3	B12-03ML	SS12-03ML	HRPL1/2-N03
	1/2" Male NPT	PL1/2-N4	B12-04ML	SS12-04ML	HRPL1/2-N04
4mm	1/8" Male BSPT (R)	PL04-01	B04-01ML-PT	SS04-01ML-PT	HRPL04-R01
	1/4" Male BSPT (R)	PL04-02	B04-02ML-PT	SS04-02ML-PT	HRPL04-R02
	3/8" Male BSPT (R)	PL04-03			
6mm	1/8" Male BSPT (R)	PL06-01	B06-01ML-PT	SS06-01ML-PT	HRPL06R01
	1/4" Male BSPT (R)	PL06-02	B06-02ML-PT	SS06-02ML-PT	HRPL06R02
	3/8" Male BSPT (R)	PL06-03		SS06-03ML-PT	
	1/2" Male BSPT (R)	PL06-04			
8mm	1/8" Male BSPT (R)	PL08-01	B08-01ML-PT	SS08-01ML-PT	HRPL08R01
	1/4" Male BSPT (R)	PL08-02	B08-02ML-PT	SS08-02ML-PT	HRPL08R02
	3/8" Male BSPT (R)	PL08-03	B08-03ML-PT	SS08-03ML-PT	HRPL08R03
	1/2" Male BSPT (R)	PL08-04		SS08-04ML-PT	
10mm	1/8" Male BSPT (R)	PL10-01		SS10-01ML-PT	
	1/4" Male BSPT (R)	PL10-02	B10-02ML-PT	SS10-02ML-PT	HRPL10R02
	3/8" Male BSPT (R)	PL10-03	B10-03ML-PT	SS10-03ML-PT	HRPL10R03
	1/2" Male BSPT (R)	PL10-04		SS10-04ML-PT	HRPL10R04
12mm	1/8" Male BSPT (R)	PL12-01		SS12-01ML-PT	
	1/4" Male BSPT (R)	PL12-02		SS12-02ML-PT	
	3/8" Male BSPT (R)	PL12-03	B12-03ML-PT	SS12-03ML-PT	HRPL12R03
	1/2" Male BSPT (R)	PL12-04	B12-04ML-PT	SS12-04ML-PT	HRPL12R04



# Push-to-Connect Fittings

## Union Bulkhead & Union Bulkhead Reducers

Bulkhead Unions provide two opposing push-to-connect ports with threaded nuts allowing for installation through a panel or partition.



Tube 1 OD	Tube 2 OD	Resin	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	5/32"	PMM5/32	B532BU(4MM)	SS532BU(4MM)	HMM5/32-5/32
1/4"	1/4"	PMM1/4	B14BU	SS14BU	HMM1/4-1/4
	3/8"				HMM1/4-3/8
5/16"	5/16"	PMM5/16	B516BU(8MM)	SS516BU(8MM)	HMM5/16-5/16
3/8"	3/8"	PMM3/8	B38BU	SS38BU	HMM3/8-3/8
1/2"	1/2"	PMM1/2	B12BU	SS12BU	HMM1/2-1/2
4mm	4mm	PMM04	B532BU(4MM)	SS532BU(4MM)	HMM0404
6mm	4mm				HMM0604
	6mm	PMM06	B06BU	SS06BU	HMM0606
8mm	6mm				HMM0806
	8mm	PMM08	B516BU(8MM)	SS516BU(8MM)	HMM0808
10mm	10mm	PMM10	B10BU	SS10BU	HMM1010
12mm	12mm	PMM12	B12BU	SS12BU	HMM1212

## Swivel Male Run Tees

Swivel Male Run Tees provide two opposing push-to-connect ports with a single male threaded fitting. The male fitting swivels, and provides a hex for installation.



Tube OD	Thread	Resin (Female)	Nickel-Plated Brass	Fluidfit	Tube OD	Thread	Resin (Female)	Nickel-Plated Brass	Fluidfit
5/32"	1/8" Male NPT	PST5/32-N1	B532-01RT	HRST5/32-N01	4mm	1/8" Male BSPT (R)	PST04-01	B04-01RT-PT	HRST04-R01
	1/4" Male NPT	PTS5/32-N2	B532-02RT	HRST5/32-N02		1/4" Male BSPT (R)	PST04-02	B04-02RT-PT	HRST04-R02
1/4"	1/8" Male NPT	PST1/4-N1	B14-01RT	HRST1/4-N01		3/8" Male BSPT (R)	PST04-03		
	1/4" Male NPT	PST1/4-N2	B14-02RT	HRST1/4-N02	6mm	1/8" Male BSPT (R)	PST06-01	B06-01RT-PT	HRST06R01
	3/8" Male NPT	PST1/4-N3				1/4" Male BSPT (R)	PST06-02	B06-02RT-PT	HRST06R02
5/16"	1/8" Male NPT	PST5/16-N1	B516-01RT	HRST5/16-N01		3/8" Male BSPT (R)	PST06-03		
	1/4" Male NPT	PST5/16-N2	B516-02RT	HRST5/16-N02	1/2" Male BSPT (R)	PST06-04			
	3/8" Male NPT	PST5/16-N3		HRST5/16-N03	8mm	1/8" Male BSPT (R)	PST08-01	B08-01RT-PT	HRST08R01
	1/2" Male NPT	PST5/16-N4				1/4" Male BSPT (R)	PST08-02	B08-02RT-PT	HRST08R02
3/8"	1/8" Male NPT	PST3/8-N1				3/8" Male BSPT (R)	PST08-03		HRST08R03
	1/4" Male NPT	PST3/8-N2	B38-02RT	HRST3/8-N02		1/2" Male BSPT (R)	PST08-04		
	3/8" Male NPT	PST3/8-N3	B38-03RT	HRST3/8-N03	10mm	1/8" Male BSPT (R)	PST10-01		
	1/2" Male NPT	PST3/8-N4				1/4" Male BSPT (R)	PST10-02	B10-02RT-PT	HRST10R02
1/2"	1/4" Male NPT	PST1/2-N2				3/8" Male BSPT (R)	PST10-03	B10-03RT-PT	HRST10R03
	3/8" Male NPT	PST1/2-N3	B12-03RT	HRST1/2-N03		1/2" Male BSPT (R)	PST10-04		HRST10R04
	1/2" Male NPT	PST1/2-N4	B12-04RT	HRST1/2-N04	12mm	1/8" Male BSPT (R)	PST12-01		
				1/4" Male BSPT (R)		PST12-02			
				3/8" Male BSPT (R)		PST12-03	B12-03RT-PT	HRST12R03	
				1/2" Male BSPT (R)		PST12-04	B12-04RT-PT	HRST12R04	

# Push-to-Connect Fittings

## Swivel Branch Tees

Swivel Male Branch Tees provide two opposing push-to-connect ports with a single male threaded fitting. The male fitting swivels, and provides a hex for installation.



Tube OD	Thread	Resin (Male)	Resin (Female)	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	1/8" NPT	PT5/32-N1	PTF5/32-N1	B532-01MT	SS532-01MT	HRPT5/32-N01
	1/4" NPT	PT5/32-N2	PTF5/32-N2	B532-02MT	SS532-02MT	HRPT5/32-N02
1/4"	1/8" NPT	PT1/4-N1	PTF1/4-N1	B14-01MT	SS14-01MT	HRPT1/4-N01
	1/4" NPT	PT1/4-N2	PTF1/4-N2	B14-02MT	SS14-02MT	HRPT1/4-N02
	3/8" NPT	PT1/4-N3	PTF1/4-N3			
5/16"	1/8" NPT	PT5/16-N1	PTF5/16-N1	B516-01MT	SS516-01ML	HRPT5/16-N01
	1/4" NPT	PT5/16-N2	PTF5/16-N2	B516-02MT	SS516-02ML	HRPT5/16-N02
	3/8" NPT	PT5/16-N3	PTF5/16-N3			HRPT5/16-N03
	1/2" NPT	PT5/16-N4				
3/8"	1/8" NPT	PT3/8-N1			SS38-01MT	
	1/4" NPT	PT3/8-N2	PTF3/8-N2	B38-02MT	SS38-02MT	HRPT3/8-N02
	3/8" NPT	PT3/8-N3	PTF3/8-N3	B38-03MT	SS38-03MT	HRPT3/8-N03
	1/2" NPT	PT3/8-N4	PTF3/8-N4		SS38-04MT	
1/2"	1/4" NPT	PT1/2-N2		B12-02MT	SS12-02MT	
	3/8" NPT	PT1/2-N3	PTF1/2-N3	B12-03MT	SS12-03MT	HRPT1/2-N03
	1/2" NPT	PT1/2-N4	PTF1/2-N4		SS12-04MT	HRPT1/2-N04
4mm	1/8" BSPT (R)	PT04-01	PTF04-01	B04-01MT-PT	SS04-01MT-PT	HRPT04-R01
	1/4" BSPT (R)	PT04-02	PTF04-02	B04-02MT-PT	SS04-02MT-PT	HRPT04-R02
	3/8" BSPT (R)	PT04-03				
6mm	1/8" BSPT (R)	PT06-01	PTF06-01	B06-01MT-PT	SS06-01MT-PT	HRPT06R01
	1/4" BSPT (R)	PT06-02	PTF06-02	B06-02MT-PT	SS06-02MT-PT	HRPT06R02
	3/8" BSPT (R)	PT06-03	PTF06-03			
	1/2" BSPT (R)	PT06-04				
8mm	1/8" BSPT (R)	PT08-01	PTF08-01	B08-01MT-PT	SS08-01MT-PT	HRPT08R01
	1/4" BSPT (R)	PT08-02	PTF08-02	B08-02MT-PT	SS08-02MT-PT	HRPT08R02
	3/8" BSPT (R)	PT08-03	PTF08-03	B08-03MT-PT	SS08-03MT-PT	HRPT08R03
	1/2" BSPT (R)	PT08-04	PTF08-04		SS08-04MT-PT	
10mm	1/8" BSPT (R)	PT10-01	PTF10-01			
	1/4" BSPT (R)	PT10-02	PTF10-02	B10-02MT-PT	SS10-02MT-PT	HRPT10R02
	3/8" BSPT (R)	PT10-03	PTF10-03	B10-03MT-PT	SS10-03MT-PT	HRPT10R03
	1/2" BSPT (R)	PT10-04	PTF10-04		SS10-04MT-PT	HRPT10R04
12mm	1/8" BSPT (R)	PT12-01				
	1/4" BSPT (R)	PT12-02	PTF12-02		SS12-02MT-PT	
	3/8" BSPT (R)	PT12-03	PTF12-03	B12-03MT-PT	SS12-03MT-PT	HRPT12R03
	1/2" BSPT (R)	PT12-04	PTF12-04	B12-04MT-PT	SS12-04MT-PT	HRPT12R04

# Push-to-Connect Fittings

## Unions & Union Straight Reducers

Straight Unions feature two opposing push-to-connect ports, allowing two sections of tubing to be joined.



Tube 1 OD	Tube 2 OD	Resin (Female)	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	5/32"	PUC5/32	B532(4MM)	SS5/32(4MM)	HUC5/32-5/32
1/4"	5/32"	PG1/4-5/32		SS14-532UR	
	1/4"	PUC1/4	B14U	SS14U	HUC1/4-1/4
5/16"	5/32"	PG5/16-5/32			HUC5/16-5/32
	1/4"	PG5/16-1/4		SS516-14UR	HUC5/16-1/4
	5/16"	PUC5/16	B516(8MM)	SS516U(8MM)	HUC5/16-5/16
3/8"	1/4"	PG3/8-1/4		SS38-14UR	HUC3/8-1/4
	5/16"	PG3/8-5/16		SS38-516UR	HUC3/8-5/16
	3/8"	PUC3/8	B38U	SS38U	HUC3/8-3/8
1/2"	3/8"	PG1/2-3/8		SS12-38UR	HUC1/2-3/8
	1/2"	PUC1/2	B12U	SS12U	HUC1/2-1/2
4mm	4mm	PUC04	B532(4MM)	SS532U(4MM)	HUC0404
6mm	4mm	PG0604	B06-04U	SS06-04UR	HUC0604
	6mm	PUC06	B06U	SS06U	HUC0606
8mm	4mm	PG0804			HUC0804
	6mm	PG0806	B08-06U	SS08-06UR	HUC0806
	8mm	PUC08	B516(8MM)	SS516U(8MM)	HUC0808
10mm	6mm	PG1006		SS10-06UR	HUC1006
	8mm	PG1008	B10-08U	SS10-08UR	HUC1008
	10mm	PUC10	B10U	SS10U	HUC1010
12mm	8mm	PG1208			HUC1208
	10mm	PG1210		SS12-10UR	HUC1210
	12mm	PUC12	B12MU	SS12MU	HUC1212

# Push-to-Connect Fittings

## Union Elbows & Union Elbow Reducers

Union Elbows feature two push-to-connect ports arranged 90° apart, allowing two sections of tubing to be joined.



Tube 1 OD	Tube 2 OD	Resin (Female)	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	5/32"	PUL5/32	B532UL(4MM)	SS532UL(4MM)	HUL5/32-5/32
1/4"	1/4"	PUL1/4	B14UL	SS14UL	HUL1/4-1/4
5/16"	5/32"				HUL5/16-5/32
	1/4"				HUL5/16-1/4
	5/16"	PUL5/16	B516UL(8MM)	SS5/16UL(8MM)	HUL5/16-5/16
3/8"	1/4"				HUL3/8-1/4
	5/16"				HUL3/8-5/16
	3/8"	PUL3/8	B38UL	SS38UL	HUL3/8-3/8
1/2"	3/8"				HUL1/2-3/8
	1/2"	PUL1/2	B12UL	SS12UL	HUL1/2-1/2
4mm	4mm	PUL04	B532UL(4MM)	SS532UL(4MM)	HUL0404
6mm	6mm	PUL06	B06UL	SS06UL	HUL0606
8mm	4mm				HUL0804
	6mm				HUL0806
	8mm	PUL08	B516UL(8MM)	SS5/16UL(8MM)	HUL0808
10mm	6mm				HUL1006
	8mm				HUL1008
	10mm	PUL10	B10UL	SS10UL	HUL1010
12mm	6mm				HUL1206
	8mm				HUL1208
	12mm	PUL12	B12MUL	SS12MUL	HUL1212

# Push-to-Connect Fittings

## Union Tees & Union Tee Reducers

Union Tees feature two opposing push-to-connect ports with a third arranged 90° apart.



Tube 1 OD	Tube 2 OD	Resin	Nickel-Plated Brass	Stainless Steel	Fluidfit
5/32"	5/32"	PUT5/32	B532UT(4MM)	SS532UT(4MM)	HUT5/32-5/32
	1/4"	PGT5/32-1/4			
1/4"	5/32"	PGT1/4-5/32			
	5/16"	PGT1/4-5/16			
	1/4"	PUT1/4	B14UT	SS14UT	HUT1/4-1/4
5/16"	1/4"	PGT5/16-1/4			
	5/16"	PUT5/16	B516UT(8MM)	SS516UT(8MM)	HUT5/16-5/16
	3/8"	PGT5/16-3/8			
3/8"	1/4"	PGT3/8-1/4			HUT3/8-1/4-3/8
	5/16"	PGT3/8-5/16			
	3/8"	PUT3/8	B38UT	SS38UT	HUT3/8-3/8
	1/2"	PGT3/8-1/2			
1/2"	3/8"	PGT1/2-3/8			
	1/2"	PUT1/2	B12UT	SS12UT	HUT1/2-1/2
4mm	4mm	PUT04	B532UT(4MM)	SS532UT(4MM)	HUT0404
	6mm	PGT0406			
6mm	4mm	PGT0604			
	6mm	PUT06	B06UT	SS06UT	HUT0606
8mm	4mm	PGT0804			
	6mm	PGT0806			
	8mm	PUT08	B516UT(8MM)	SS516UT(8MM)	HUT0808
	10mm	PGT0810			
10mm	6mm	PGT1006			HUT100610
	8mm	PGT1008			
	10mm	PUT10	B10UT	SS10UT	HUT1010
	12mm	PGT1012			
12mm	8mm	PGT1208			
	10mm	PGT1210			HUT121012
	12mm	PUT12	B12MUT	SS12MUT	HUT1212

# Push-to-Connect Fittings

## Union Y & Union Y Reducers

Union “Y” fittings feature a single push-to-connect port opposed to two parallel push-to-connect ports.



Tube 1 OD	Tube 2 OD	Resin	Nickel-Plated Brass	Fluidfit
5/32"	5/32"	PY5/32	B532UY(4MM)	HUY5/32-5/32
1/4"	5/32"	PY1/4-5/32		
	1/4"	PY1/4	B14UY	HUY1/4-1/4
5/16"	5/32"	PY5/16-5/32		
	1/4"	PY5/16-1/4		
	5/16"	PY5/16	B516UY(8MM)	HUY5/16-5/16
3/8"	1/4"	PY3/8-1/4		
	5/16"	PY3/8-5/16		
	3/8"	PY3/8		HUY3/8-3/8
1/2"	5/16"	PY1/2-5/16		
	3/8"	PY1/2-3/8		
	1/2"	PY1/2		HUY1/2-1/2

Tube 1 OD	Tube 2 OD	Resin	Nickel-Plated Brass	Fluidfit
4mm	4mm	PY04	B532UY(4MM)	HUY0404
6mm	4mm	PW0604	B06-04UY	
	6mm	PY06	B06UY	HUY0606
8mm	4mm	PW0804		
	6mm	PW0806	B08-06UY	
	8mm	PY08	B516UY(8MM)	HUY0808
10mm	6mm	PW1006		
	8mm	PW1008	B10-08UY	HUY1008
	10mm	PY10	B10UY	HUY1010
12mm	8mm	PW1208		
	10mm	PW1210		
	12mm	PY12		HUY1212

## Plug-In Reducers

Plug-In Tube Reducers feature a plug-in stem opposing a push-to-connect port of a different size.



Stem OD	Tube OD	Resin	Nickel-Plated Brass	Fluidfit
5/32"	1/8"	PGJ5/32-1/8		
	1/4"	PGJ5/32-1/4		
1/4"	5/32"	PGJ1/4-5/32	B532-14R	HGJ1/4-5/32
5/16"	5/32"	PGJ5/16-5/32		
	1/4"	PGJ5/16-1/4	B14-516R	HGJ5/16-1/4
3/8"	1/4"	PGJ3/8-1/4	B14-38R	HGJ3/8-1/4
	5/16"	PGJ3/8-5/16	B516-38R	HGJ3/8-5/16
	1/2"		B38-12R	
1/2"	1/4"	PGJ1/2-1/4	B14-12R	
	5/16"	PGJ1/2-5/16		
	3/8"	PGJ1/2-3/8		HGJ1/2-3/8
4mm	6mm		B04-06R	
	8mm		B04-08R	
	10mm		B04-10R	
	12mm		B04-12R	

Stem OD	Tube OD	Resin	Nickel-Plated Brass	Fluidfit
6mm	4mm	PGJ06-04	B06-04R	HGJ0604
	6mm		B06-06R	
	8mm		B06-08R	
	10mm		B06-10R	
8mm	4mm	PGJ08-04		HGJ0804
	6mm	PGJ08-06	B08-06R	HGJ0806
	8mm		B08-08R	
	10mm		B08-10R	HGJ0810
	12mm		B08-12R	
10mm	6mm	PGJ10-06		HGJ1006
	8mm	PGJ10-08		HGJ1008
	12mm		B10-12R	
12mm	6mm	PGJ12-06		
	8mm	PGJ12-08		HGJ1208
	10mm	PGJ12-10		HGJ1210

# Push-to-Connect Fittings

## Plug-In Stem Adapters

Plug-In stem adapters feature an insert stem opposed to a male thread.



Stem OD	Thread	Nickel-Plated Brass	Fluidfit
5/32"	1/8" Male NPT	B532-01SA	HCJ5/32-N01
	1/4" Male NPT	B532-02SA	HCJ5/32-N02
1/4"	1/8" Male NPT	B14-01SA	HCJ1/4-N01
	1/4" Male NPT	B14-02SA	HCJ1/4-N02
5/16"	1/8" Male NPT	B516-01SA	HCJ5/16-N01
	1/4" Male NPT	B516-02SA	HCJ5/16-N02
	3/8" Male NPT		HCJ5/16-N03
3/8"	1/8" Male NPT	B38-01SA	HCJ3/8-N01
	1/4" Male NPT	B38-02SA	HCJ3/8-N02
1/2"	1/8" Male NPT	B12-01SA	HCJ1/2-N01
	1/4" Male NPT	B12-02SA	HCJ1/2-N02

Stem OD	Thread	Nickel-Plated Brass	Fluidfit
4mm	1/8" Male BSPT (R)	B04-01SA-PT	HCJ04R01
	1/4" Male BSPT (R)	B04-02SA-PT	HCJ04R02
6mm	1/8" Male BSPT (R)	B06-01SA-PT	HCJ06R01
	1/4" Male BSPT (R)	B06-02SA-PT	HCJ06R02
8mm	1/8" Male BSPT (R)	B08-01SA-PT	HCJ08R01
	1/4" Male BSPT (R)	B08-02SA-PT	HCJ08R02
10mm	1/4" Male BSPT (R)	B10-02SA-PT	HCJ10R02
	3/8" Male BSPT (R)	B10-03SA-PT	HCJ10R03
12mm	3/8" Male BSPT (R)	B12-03SA-PT	HCJ12R03
	1/2" Male BSPT (R)	B12-04SA-PT	HCJ12R04

## Plug-In Elbows

Plug-in Elbows offer a push-to-connect port and an insert stem at a 90° angle.



Stem OD	Thread	Resin	Fluidfit
5/32"	5/32"	PLJ5/32	HLJ5/32-5/23
1/4"	5/32"	PLJ1/4-5/32	
	1/4"	PLJ1/4	HLJ1/4-1/4
5/16"	1/4"	PLJ5/16-1/4	
	5/16"	PLJ5/16	HLJ5/16-5/16
3/8"	1/4"	PLJ3/8-1/4	HLJ3/8-1/4
	5/16"	PLJ3/8-5/16	HLJ3/8-5/16
	3/8"	PLJ3/8	HLJ3/8-3/8
1/2"	1/4"	PLJ1/2-1/4	
	1/2"	PLJ1/2	HLJ1/2-1/2

Stem OD	Thread	Resin	Fluidfit
4mm	4mm	PLJ04	HLJ0404
6mm	4mm	PLJ0604	
	6mm	PLJ06	HLJ0606
8mm	6mm	PLJ0806	
	8mm	PLJ08	HLJ0808
10mm	6mm		HLJ1006
	8mm	PLJ1008	HLJ1008
	10mm	PLJ10	HLJ1010
12mm	10mm	PLJ1210	
	12mm	PLJ12	HLJ1210



# Push-to-Connect Fittings

## Swivel Banjo Fittings

Banjo Fittings are arranged with a push-to-connect port and a male thread in a 90° configuration allowing for installation in confined spaces. All banjo fittings swivel 360°.



Tube OD	Thread	Resin (Male)	Resin (Male x Female)	Nickel-Plated Brass	Tube OD	Thread	Resin (Male)	Resin (Male x Female)	Nickel-Plated Brass
5/32"	1/8" NPT	PH5/32-N1	PHF5/32-N1	B532-01MBJ	4mm	1/8" BSPT (R)	PH04-01	PHF04-01	B04-01MBJ-PT
	1/4" NPT	PH5/32-N2				1/4" BSPT (R)	PH04-02	PHF04-02	B04-02MBJ-PT
1/4"	1/8" NPT	PH1/4-N1	PHF1/4-N1	B14-01MBJ	6mm	1/8" BSPT (R)	PH06-01	PHF06-01	B06-01MBJ-PT
	1/4" NPT	PH1/4-N2	PHF1/4-N2	B14-02MBJ		1/4" BSPT (R)	PH06-02	PHF06-02	B06-02MBJ-PT
	3/8" NPT	PH1/4-N3	PHF1/4-N3			3/8" BSPT (R)	PH06-03	PHF06-03	
5/16"	1/8" NPT	PH5/16-N1	PHF5/16-N1	B516-01MBJ	8mm	1/8" BSPT (R)	PH08-01	PHF08-01	B08-01MBJ-PT
	1/4" NPT	PH5/16-N2	PHF5/16-N2	B516-02MBJ		1/4" BSPT (R)	PH08-02	PHF08-02	B08-02MBJ-PT
	3/8" NPT	PH5/16-N3	PHF5/16-N3	B516-03MBJ		3/8" BSPT (R)	PH08-03	PHF08-03	
	1/2" NPT	PH5/16-N4	PHF5/16-N4			1/2" BSPT (R)	PH08-04	PHF08-04	
3/8"	1/4" NPT	PH3/8-N2	PHF3/8-N2	B38-02MBJ	10mm	1/8" BSPT (R)	PH10-01	PHF10-01	
	3/8" NPT	PH3/8-N3	PHF3/8-N3	B38-03MBJ		1/4" BSPT (R)	PH10-02	PHF10-02	B10-02MBJ-PT
	1/2" NPT	PH3/8-N4	PHF3/8-N4			3/8" BSPT (R)	PH10-03	PHF10-03	B10-03MBJ-PT
				1/2" BSPT (R)		PH10-04	PHF10-04		
1/2"	1/4" NPT	PH1/2-N2	PHF1/2-N2		12mm	1/4" BSPT (R)	PH12-02	PHF12-02	
	3/8" NPT	PH1/2-N3	PHF1/2-N3			3/8" BSPT (R)	PH12-03	PHF12-03	B12-03MBJ-PT
	1/2" NPT	PH1/2-N4	PHF1/2-N4			1/2" BSPT (R)	PH12-04		B12-04MBJ-PT

## Medium Pressure Nickel-Plated Push-to-Connect Fittings

Specifications	
Maximum Working Pressure	1160 psi (80 Bar) – Grease Applications
Temperature Range	-4°F to 176°F (-20°C to 80°C)
Construction	Nickel-Plated Brass
Seal Material	NBR (Rubber)

Technifit™ Medium Pressure PTC Fittings are intended for higher-pressure applications with suitable tubing. The fittings are nickel-plated brass and enjoy all of the benefits of ATP's nickel-plated series such as corrosion resistance.



**Warning**  
 This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.  
 For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

Tube	Tube	Thread	Male Straight	Male Rigid Elbow	Male Swivel Elbow	Union
1/4"		1/8" Male NPT	BMP14-01M	BMP14-01RML	BMP14-01ML	
		1/4" Male UNF	BMP14-02M	BMP14-02RML	BMP14-02ML	
	1/4"					BMP14U

# Push-to-Connect Fittings

## Flow Control Fittings

These items allow for the adjustment of flow passing through, enabling installers to manage the speed of pneumatic equipment. Swivel Flow Control Elbows are equipped with a single push-to-connect port arranged 90° apart from a male thread with a slot or knurled wheel for adjustment.



Tube OD	Thread	Resin (Thumb Adjust)	Resin (Slotted Adjust)	Resin (Recessed Slotted Adjust)	Nickel-Plated Brass (Slotted Adjust)	Nickel-Plated Brass (Thumb Adjust)
5/32"	1/8" Male NPT	NSC5/32-N1	NSC5/32-N1(D)	NSC5/32-N1(DC)	BSC532-01DC-O	BSC532-01H-O
	1/4" Male NPT	NSC5/32-N2	NSC5/32-N2(D)	NSC5/32-N2(DC)		
1/4"	1/8" Male NPT	NSC1/4-N1	NSC1/4-N1(D)	NSC1/4-N1(DC)	BSC14-01DC-O	BSC14-01H-O
	1/4" Male NPT	NSC1/4-N2	NSC1/4-N2(D)	NSC1/4-N2(DC)	BSC14-02DC-O	BSC14-02H-O
	3/8" Male NPT	NSC1/4-N3	NSC1/4-N3(D)	NSC1/4-N3(DC)		
5/16"	1/8" Male NPT	NSC5/16-N1	NSC5/16-N1(D)	NSC5/16-N1(DC)	BSC516-01DC-O	BSC516-01H-O
	1/4" Male NPT	NSC5/16-N2	NSC5/16-N2(D)	NSC5/16-N2(DC)	BSC516-02DC-O	BSC516-02H-O
	3/8" Male NPT	NSC5/16-N3	NSC5/16-N3(D)	NSC5/16-N3(DC)		
	1/2" Male NPT	NSC5/16-N4	NSC5/16-N4(D)	NSC5/16-N4(DC)		
3/8"	1/4" Male NPT	NSC3/8-N2	NSC3/8-N2(D)	NSC3/8-N2(DC)	BSC38-02DC-O	BSC38-02H-O
	3/8" Male NPT	NSC3/8-N3	NSC3/8-N3(D)	NSC3/8-N3(DC)		
	1/2" Male NPT	NSC3/8-N4	NSC3/8-N4(D)	NSC3/8-N4(DC)		
1/2"	3/8" Male NPT	NSC1/2-N3	NSC1/2-N3(D)	NSC1/2-N3(DC)		
	1/2" Male NPT	NSC1/2-N3	NSC1/2-N3(D)	NSC1/2-N3(DC)		
4mm	1/8" Male BSPT (R)	NCS04-01	NCS04-01(D)	NCS04-01(DC)		
	1/8" Male BSPP (G)				BSC04-01DC-O-P	BSC04-01H-O-PP
	1/4" Male BSPT (R)	NCS04-02	NCS04-02(D)	NCS04-02(DC)		
6mm	1/8" Male BSPT (R)	NCS06-01	NCS06-01(D)	NCS06-01(DC)		
	1/8" Male BSPP (G)				BSC06-01DC-O-P	BSC06-01H-O-PP
	1/4" Male BSPT (R)	NCS06-02	NCS06-02(D)	NCS06-02(DC)		
	1/4" Male BSPP (G)				BSC06-02DC-O-P	BSC06-02H-O-PP
	3/8" Male BSPT (R)	NCS06-03	NCS06-03(D)	NCS06-03(DC)		
	1/2" Male BSPT (R)	NCS06-04	NCS06-04(D)	NCS06-04(DC)		
8mm	1/8" Male BSPT (R)	NCS08-01	NCS08-01(D)	NCS08-01(DC)		
	1/8" Male BSPP (G)				BSC08-01DC-O-P	BSC08-01H-O-PP
	1/4" Male BSPT (R)	NCS08-02	NCS08-02(D)	NCS08-02(DC)		
	1/4" Male BSPP (G)				BSC08-02DC-O-P	BSC08-02H-O-PP
	3/8" Male BSPT (R)	NCS08-03	NCS08-03(D)	NCS08-03(DC)		
	3/8" Male BSPP (G)					BSC08-03H-O-PP
	1/2" Male BSPT (R)	NCS08-04	NCS08-04(D)	NCS08-04(DC)		
10mm	1/8" Male BSPT (R)	NCS10-01	NCS10-01(D)	NCS10-01(DC)		
	1/4" Male BSPT (R)	NCS10-02	NCS10-02(D)	NCS10-02(DC)		
	1/4" Male BSPP (G)				BSC10-02DC-O-P	BSC10-02H-O-PP
	3/8" Male BSPT (R)	NCS10-03	NCS10-03(D)	NCS10-03(DC)		
	3/8" Male BSPP (G)				BSC10-03DC-O-P	BSC10-03H-O-PP
	1/2" Male BSPT (R)	NCS10-04	NCS10-04(D)	NCS10-04(DC)		
12mm	1/4" Male BSPT (R)	NCS12-02	NCS12-02(D)	NCS12-02(DC)		
	3/8" Male BSPT (R)	NCS12-03	NCS12-03(D)	NCS12-03(DC)		
	1/2" Male BSPT (R)	NCS12-04	NCS12-04(D)	NCS12-04(DC)		

# Push-to-Connect Fittings

## Other Fittings Available on our Website or Full Product Catalog

**Extended Swivel Male Elbow – PLLP, PLL**



**Union “Y” – HBU**



**Swivel Male “Y” – PWT, HRWT**



**Union Cross – PZA, HZA**



**Plug – PP, HPP**



**Plug-In “Y” – PYJ**



**Cap – PPF, HPF**



**Swivel Male Branch “A” – PA**



**Check Valve Straight – CVPC, HCVU**



**Branch Style Flow Control – HSTU**

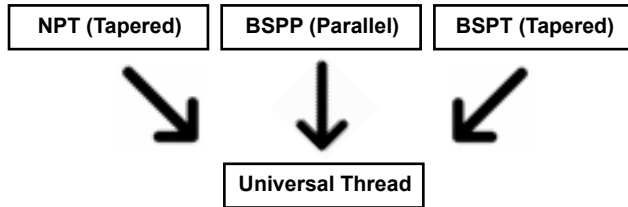


# Push-to-Connect Fittings

## Universal Thread Fittings

Universal threads provide an elegant method of converting equipment from metric tubing & threads into readily available fractionally-sized tubing.

By working with BSPT (R), BSPP (G) and NPT threads, these fittings also reduce inventory in MRO and supply environments.



**Warning**

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to: [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)



Tube OD	Thread	Male Hex Straight	Male Round Straight	Male Swivel Elbow	Male Swivel Tee
5/32" or 4mm	1/8" Male Universal	B04M/532-U01M	BR04M/532-U01M	B04M/532-U01ML	B04M/532-U01MT
	1/4" Male Universal	B04M/532-U02M	BR04M/532-U02M	B04M/532-U02ML	B04M/532-U02MT
1/4"	1/8" Male Universal	B14-U01M	BR14-U01M	B14-U01ML	B14-U01MT
	1/4" Male Universal	B14-U02M	BR14-U02M	B14-U02ML	B14-U02MT
	3/8" Male Universal	B14-U03M		B14-U03ML	B14-U03MT
6mm	1/8" Male Universal	B06-U01M	BR06-U01M	B06-U01ML	B06-U01MT
	1/4" Male Universal	B06-U02M	BR06-U02M	B06-U02ML	B06-U02MT
5/16" or 8mm	1/8" Male Universal	B08M/516-U01M	BR08M/516-U01M	B08M/516-U01ML	B08M/516-U01MT
	1/4" Male Universal	B08M/516-U02M	BR08M/516-U02M	B08M/516-U02ML	B08M/516-U02MT
	3/8" Male Universal	B08M/516-U03M	BR08M/516-U03M	B08M/516-U03ML	B08M/516-U03MT
3/8"	1/8" Male Universal	B38-U01M		B38-U01ML	B38-U01MT
	1/4" Male Universal	B38-U02M		B38-U02ML	B38-U02MT
	3/8" Male Universal	B38-U03M		B38-U03ML	B38-U03MT
	1/2" Male Universal	B38-U04M		B38-U04ML	B38-U04MT
10mm	1/4" Male Universal	B10-U02M		B10-U02ML	B10-U02MT
	3/8" Male Universal	B10-U03M		B10-U03ML	B10-U03MT
	1/2" Male Universal	B10-U04M			
12mm	1/4" Male Universal	B12M-U02M			
	3/8" Male Universal	B12M-U03M		B12M-U03ML	B12M-U03MT
	1/2" Male Universal	B12M-U04M		B12M-U04ML	B12M-U04MT
1/2"	1/4" Male Universal	B12-U02M		B12-U02ML	B12-U02MT
	3/8" Male Universal	B12-U03M		B12-U03ML	B12-U03MT
	1/2" Male Universal	B12-U04M		B12-U04ML	B12-U04MT

# Spiral Recoil Hose

## Technithane™ Polyurethane Spiral Hose



All Technithane™ product lines have been consolidated into a single offering, including Techniblue™ and Auto Spiral.

Technithane™ Spirals are manufactured from tough polyurethane resin, providing a flexible & lightweight alternative to Nylon Spirals. Technithane™ Spirals' 98A construction provides excellent memory and retraction strength.

- Lightweight and Abrasion-Resistant
- Resists Kinking
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Excellent Coil Memory
- Thread Sealant Supplied on all Fittings
- Widest Variety of Colors, Sizes, and Threads in ATP's Offering
- Available with Threads or Pneumatic QD Fittings
- Custom Assemblies Available – Contact ATP

### What's the difference between Techniblue™, Technithane™, and Auto Spiral?

- All Lines Were Made from the Same Material with the Same Fittings
- Techniblue™ Spirals Were **Clear Blue** and Were Held in Stock
- Auto Spirals Were Sold in **Working Length** Rather than the Industry Standard of Total Length

Specifications	
Material	Polyurethane (Ether-Based)
Hardness	Shore 98A
Temperature Range	-68°F to 140°F (-55°C to 60°C)
Working Pressure at 68°F	140 psi (9.6 Bar)
Vacuum Rating	28" HG
Safety Factor	3:1
Tariff Code	3917.33.0000

Fitting Compatibility
H-Style Compression Replacement Fitting (Page 56)

## TT - 14 - 10 - BK - RS

Model		ID x OD (Nominal)		Total Length		Color		Fittings	
TT	Technithane™	316	3/16" x 5/16"	10	10 ft	BK	Black	RS	Rigid & Swivel
		14	1/4" x 3/8"	15	15 ft	C	Clear	RR	Rigid & Rigid
		2164	21/64" x 1/2"	20	20 ft	CB	Clear Blue	SS	Swivel & Swivel
		38	3/8" x 9/16"	25	25 ft	G	Green	Q	Premium Series (Auto)
		1332	13/32" x 5/8"	2.5	2.5m	GY	Gray	E	Economy Series (Manual)
		12	1/2" x 3/4"	5	5m	LB	Light Blue	DF	Safety-Slide™
		8	5mm x 8mm	7.5	7.5m	LG	Light Green		
		10	6.5mm x 10mm	10	10m	NB	Navy Blue		
		12	8mm x 12mm			OR	Orange		
		16	11mm x 16mm			R	Red		
						W	White		
						Y	Yellow		

Material Availability by Color Code															
Model	BK	C	CB	CG	CR	CY	G	GY	LB	LG	NB	OR	R	W	Y
TT-316	•	•	X	X	LQ	X	•	X	•	X	•	X	•	LQ	•
TT-14	•	•	•	X	X	X	•	LQ	•	LQ	•	LQ	•	•	•
TT-2164	•	•	•	X	X	X	LQ	LQ	•	LQ	•	X	•	LQ	•
TT-38	X	•	•	X	X	X	X	X	X	LQ	•	X	•	X	LQ
TT-1332	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
TT-12	X	X	•	X	X	X	LQ	X	X	X	•	X	X	X	X
TT-8	•	•	X	X	LQ	X	•	X	•	X	•	X	•	LQ	•
TT-10	•	•	•	X	X	X	LQ	X	•	X	•	X	•	X	•
TT-12	•	•	•	X	X	X	LQ	X	X	X	•	X	•	LQ	LQ
TT-16	LQ	LQ	LQ	X	X	X	LQ	X	LQ	X	LQ	X	X	LQ	LQ

•: Available Material – Some Lead-Time for Spiraling    LQ: Limited Quantities of Material - Contact ATP  
 X: Not-Stocked (Minimum Runs Apply) - Contact ATP  
 Availability is Subject to Change, Contact ATP



# Spiral Recoil Hose

## Technithane™ Fractional Sizes (NPT Threads)

Model (select color & fitting style)	ID	OD	Working Length	Total Length	Thread	Compressed Length	Tool Tail Length	Port Tail Length	Total Turns	Spiral OD	Stocked Assemblies
TT-316-10-__	0.187" (3/16")	0.312" (5/16")	8'	10'	1/4" Male NPT	31.125"	20"	4"	19	1.625"	
TT-316-15-__			12'	15'		35.875"			31		
TT-316-20-__			16'	20'		40.250"			42		
TT-316-25-__			20'	25'		45.000"			54		
TT-14-10-__	0.250" (1/4")	0.375" (3/8")	8'	10'	1/4" Male NPT	31.125"	20"	4"	14	2.002"	CB
TT-14-15-__			12'	15'		35.625"			23		CB
TT-14-20-__ (Supersedes Auto-1001-__)			16'	20'		39.750"			39		CB CB NB R Y
TT-14-25-__			20'	25'		44.250"			40		CB LB R Y
TT-14-30-__ (Formerly Auto-1002-__)			24'	30'		50.000"			69		CB BK C NB R Y
TT-2164-10-__	0.328" (21/64")	0.500" (1/2")	8'	10'	3/8" Male NPT	31.000"	20"	4"	12	2.681"	
TT-2164-15-__			12'	15'		44.000"			19		
TT-2164-20-__ (Supersedes Auto-1004-__)			16'	20'		31.000"			26		
TT-2164-25-__			20'	25'		45.000"			34		
TT-2164-30-__ (Formerly Auto-1005-__)			24'	30'		50.000"			52		
TT-38-10-__	0.375" (3/8")	0.562" (9/16")	8'	10'	3/8" Male NPT	31.000"	20"	4"	12	3.125"	CB
TT-38-15-__			12'	15'		36.000"			19		CB
TT-38-20-__ (Supersedes Auto-1007-__)			16'	20'		40.000"			26		⊕
TT-38-25-__			20'	25'		45.000"			34		CB LG NB R
TT-38-30-__ (Formerly Auto-1008-__)			24'	30'		47.000"			37		CB C NB
TT-1332-10-__	0.406" (13/32")	0.625" (5/8")	8'	10'	1/2" Male NPT	29.000"	20"	4"	9	4.254"	
TT-1332-15-__			12'	15'		32.750"			13		
TT-1332-20-__			16'	20'		35.875"			19		
TT-1332-25-__			20'	25'		39.000"			24		
TT-12-15-__	0.500" (1/2")	0.750" (3/4")	12'	15'	1/2" Male NPT Rigid/Swivel	33.750"	20"	4"	13	4.500"	CB
TT-12-20-__			16'	20'		36.000"			19		CB
TT-12-25-__			20'	25'		42.000"			24		CB

Note: For Techniblue™ use Clear Blue (CB) Color Suffix

## Auto Spiral to Technithane™ Part Number Conversion

Auto Spiral Model (Obsolete)	Technithane™ Model (Use This Number)	ID	OD	Working Length	Total Length
Auto-1001-__	TT-14-20-__	0.250" (1/4")	0.375" (3/8")	16'	20'
Auto-1002-__	TT-14-30-__			24'	30'
Auto-1004-__	TT-2164-20-__	0.328" (21/64")	0.500" (1/2")	16'	20'
Auto-1005-__	TT-2164-30-__			24'	30'
Auto-1007-__	TT-38-20-__	0.375" (3/8")	0.562" (9/16")	16'	20'
Auto-1008-__	TT-38-30-__			24'	30'

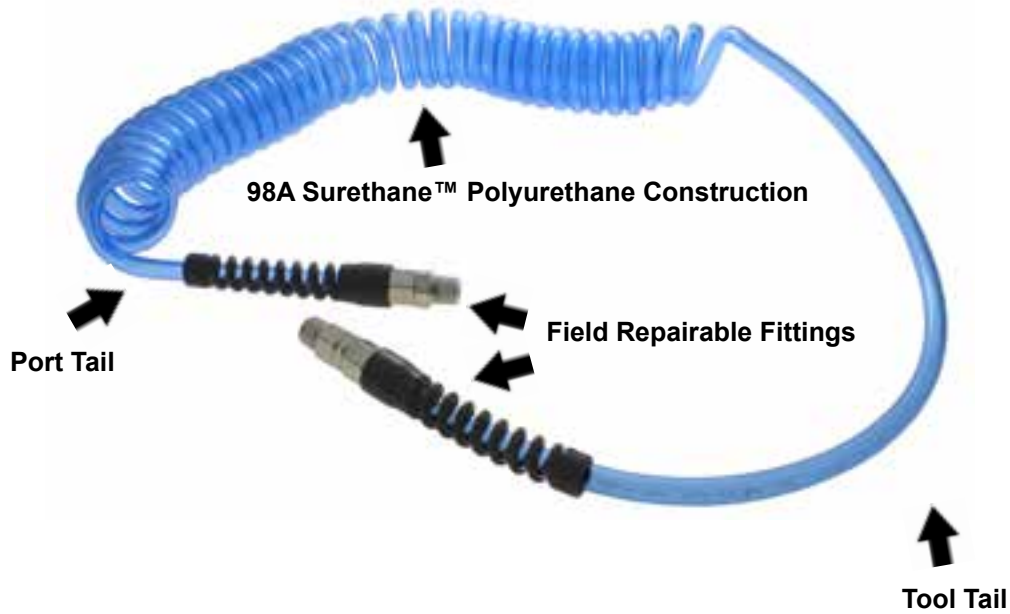
Note: The Auto Spiral Line was Merged with Technithane™



# Spiral Recoil Hose

## Technithane™ Metric Sizes (BSPT Threads)

Model (select color & fitting style)	ID	OD	Working Length	Total Length	Thread	Retracted Length	Tool Tail Length	Port Tail Length	Total Turns	Spiral OD
TT-8-2.5_ _	5mm	8mm	2m	2.5m	1/4" Male BSPT	78cm	500mm	100mm	18	42mm
TT-8-5_ _			4m	5m		100cm			42	
TT-8-7.5_ _			6m	7.5m		123cm			66	
TT-8-10_ _			8m	10m		140cm			90	
TT-10-2.5_ _	6.5mm	10mm	2m	2.5m	1/4" Male BSPT	78cm	500mm	100mm	15	52mm
TT-10-5_ _			4m	5m		100cm			34	
TT-10-7.5_ _			6m	7.5m		123cm			53	
TT-10-10_ _			8m	10m		140cm			72	
TT-12-2.5_ _	8mm	12mm	2m	2.5m	3/8" Male BSPT	78cm	500mm	100mm	11	65mm
TT-12-5_ _			4m	5m		100cm			26	
TT-12-7.5_ _			6m	7.5m		119cm			41	
TT-12-10_ _			8m	10m		138cm			56	
TT-16-2.5_ _	11mm	16mm	2m	2.5m	1/2" Male BSPT	72cm	500mm	100mm	7	108mm
TT-16-5_ _			4m	5m		84cm			16	
TT-16-7.5_ _			6m	7.5m		100cm			24	
TT-16-10_ _			8m	10m		117cm			33	



Rigid Fitting with Bend-Restrictor



Swivel Fitting with Bend-Restrictor





# Spiral Recoil Hose

## Technithane™ Fractional Sizes (Pneumatic Quick Disconnect Fittings)

Model (select color & fitting style)	ID	OD	Working Length	Total Length	Available QD	Body Size/ Interchange	Compressed Length	Tool Tail Length	Port Tail Length	Total Turns	Spiral OD
TT-316-10-_-_-	0.187" (3/16")	0.312" (5/16")	8'	10'	Premium Series (Automatic), Economy Series (Manual), Safety-Slide™	1/4" Industrial	31.125"	20"	4"	19	1.625"
TT-316-15-_-_-			12'	15'			35.875"			31	
TT-316-20-_-_-			16'	20'			40.250"			42	
TT-316-25-_-_-			20'	25'			45.000"			54	
TT-14-10-_-_-	0.250" (1/4")	0.375" (3/8")	8'	10'	Premium Series (Automatic), Economy Series (Manual), Safety-Slide™	1/4" Industrial	31.125"	20"	4"	14	2.002"
TT-14-15-_-_-			12'	15'			35.625"			23	
TT-14-20-_-_- (Supersedes Auto-1001-_-)			16'	20'			39.750"			39	
TT-14-25-_-_-			20'	25'			44.250"			40	
TT-14-30-_-_- (Formerly Auto-1002-_-)			24'	30'			50.000"			69	
TT-2164-10-_-_-	0.328" (21/64")	0.500" (1/2")	8'	10'	Premium Series (Automatic), Economy Series (Manual), Safety-Slide™	3/8" Industrial	31.000"	20"	4"	12	2.681"
TT-2164-15-_-_-			12'	15'			44.000"			19	
TT-2164-20-_-_- (Supersedes Auto-1004-_-)			16'	20'			31.000"			26	
TT-2164-25-_-_-			20'	25'			45.000"			34	
TT-2164-30-_-_- (Formerly Auto-1005-_-)			24'	30'			50.000"			52	
TT-38-10-_-_-			0.375" (3/8")	0.562" (9/16")			8'			10'	
TT-38-15-_-_-	12'	15'			36.000"	19					
TT-38-20-_-_- (Supersedes Auto-1007-_-)	16'	20'			40.000"	26					
TT-38-25-_-_-	20'	25'			45.000"	34					
TT-38-30-_-_- (Formerly Auto-1008-_-)	24'	30'			47.000"	37					
TT-1332-10-_-_-	0.406" (13/32")	0.625" (5/8")	8'	10'	Safety-Slide™	1/2" Industrial	29.000"	20"	4"	9	4.254"
TT-1332-15-_-_-			12'	15'			32.750"			13	
TT-1332-20-_-_-			16'	20'			35.875"			19	
TT-1332-25-_-_-			20'	25'			39.000"			24	
TT-12-15-_-_-	0.500" (1/2")	0.750" (3/4")	12'	15'	Safety-Slide™	1/2" Industrial	33.750"	20"	4"	13	4.500"
TT-12-20-_-_-			16'	20'			36.000"			19	
TT-12-25-_-_-			20'	25'			42.000"			24	

Note: These items are not assembled or stocked, additional lead time required

Available QD Suffix Codes		
Suffix	Series	Catalog Page
Q	Premium Series (Auto)	58 - 59
E	Economy Series (Manual)	61
DF	Safety-Slide™	63

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™



# Spiral Recoil Hose



## Armorthane™ Spiral



Armorthane™ Spiral hoses feature a sturdy weave of braided reinforcement between the inner and outer layers, increasing durability and working pressure. The reduced diameter of the spiral enables higher retraction strength, preventing tangles often associated with other hoses.



- UV-Stabilized
- Excellent Abrasion Resistance
- Increased Working Pressure
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Thread Sealant Supplied on all Fittings
- Available with Threads of Pneumatic QD Fittings
- Custom Assemblies Available – Contact ATP

Specifications	
Material	Polyurethane (Ether-Based)
Hardness	Shore 98A
Color	Clear Blue
Temperature Range	-40°F to 120°F (-40°C to 49°C)
Working Pressure at 68°F	310 psi (21,3 Bar)
Vacuum Rating	28" HG
Safety Factor	3:1
Tariff Code	3917.33.0000

## AT - 14 - 10 - CB - RS

Model		Inside Diameter (Nominal)		Total Length		Color		Fittings	
AT	Armorthane™	14	1/4"	10	10 ft	CB	Clear Blue	RS	Rigid & Swivel
		38	3/8"	15	15 ft			Q	Premium Series (Auto)
		12	1/2"	20	20 ft			E	Economy (Manual)
				25	25 ft			DF	Safety-Slide™
				30	30 ft				
				35	35 ft				

Fitting Compatibility
H-Style Compression Replacement Fitting (Page 56)

## Armorthane™ Fractional Sizes (NPT Fittings)

Model	ID	OD	Working Length	Total Length	Thread	Compressed Length	Tool Tail Length	Port Tail Length	Total Turns	Spiral OD	Package Weight
AT-14-10-CB-RS	0.250" (1/4")	0.375" (3/8")	8'	10'	1/4" Male NPT Rigid / Swivel	35.2"	20"	4"	30	1.63"	0.50 lb
AT-14-15-CB-RS			12'	15'		41.2"			46		0.75 lb
AT-14-20-CB-RS			16'	20'		47.7"			63		1.00 lb
AT-14-25-CB-RS			20'	25'		54.7"			82		1.25 lb
AT-14-30-CB-RS			24'	30'		60.7"			98		1.50 lb
AT-38-10-CB-RS	0.375" (3/8")	0.562" (9/16")	8'	10'	3/8" Male NPT Rigid / Swivel	31.0"	20"	4"	14	2.38"	1.20 lb
AT-38-15-CB-RS			12'	15'		42.0"			32		1.31 lb
AT-38-20-CB-RS			16'	20'		49.5"			45		1.75 lb
AT-38-25-CB-RS			20'	25'		56.7"			58		2.19 lb
AT-38-30-CB-RS			24'	30'		63.0"			69		2.63 lb
AT-38-35-CB-RS			28'	35'		70.7"			83		3.06 lb
AT-12-15-CB-RS	0.500" (1/2")	0.750" (3/4")	12'	15'	1/2" Male NPT Rigid / Swivel	40.5"	20"	4"	22	4.50"	2.06 lb
AT-12-20-CB-RS			16'	20'		46.5"			30		2.75 lb
AT-12-25-CB-RS			20'	25'		53.2"			39		3.44 lb
AT-12-30-CB-RS			24'	30'		58.5"			46		4.13 lb

# Spiral Recoil Hose

## Armorthane™ Fractional Sizes with Pneumatics Quick Disconnects

Model (choose fitting)	ID	OD	Working Length	Total Length	Available QD	Body Size/ Interchange	Retracted Length	Tool Tail Length	Port Tail Length	Total Turns	Spiral OD
AT-14-10-CB- <u>  </u>	0.250" (1/4")	0.375" (3/8")	8'	10'	Premium Series (Automatic), Economy Series (Manual), Safety-Slide™	1/4" Industrial	35.25"	20"	4"	30	1.625"
AT-14-15-CB- <u>  </u>			12'	15'			41.25"			46	
AT-14-20-CB- <u>  </u>			16'	20'			47.75"			63	
AT-14-25-CB- <u>  </u>			20'	25'			54.75"			82	
AT-14-30-CB- <u>  </u>			24'	30'			60.75"			98	
AT-38-10-CB- <u>  </u>	0.375" (3/8")	0.562" (9/16")	8'	10'	Premium Series (Automatic), Economy Series (Manual), Safety-Slide™	1/4" or 3/8" Industrial	31.00"	20"	4"	14	2.375"
AT-38-15-CB- <u>  </u>			12'	15'			42.00"			32	
AT-38-20-CB- <u>  </u>			16'	20'			49.50"			45	
AT-38-25-CB- <u>  </u>			20'	25'			56.75"			58	
AT-38-30-CB- <u>  </u>			24'	30'			63.00"			69	
AT-38-35-CB- <u>  </u>			28'	35'			70.75"			83	
AT-12-15-CB- <u>  </u>	0.500" (1/2")	0.750" (3/4")	12'	15'	Safety-Slide™	1/2" Industrial	40.50"	20"	4"	22	4.500"
AT-12-20-CB- <u>  </u>			16'	20'			46.50"			30	
AT-12-25-CB- <u>  </u>			20'	25'			53.25"			39	
AT-12-30-CB- <u>  </u>			24'	30'			58.50"			46	

Available QD Suffix Codes		
Suffix	Series	Catalog Page
Q	Premium Series (Auto)	58 - 59
E	Economy Series (Manual)	61
DF	Safety-Slide™	63

Note: for 1/4" Body Size on a 3/8" ID hose, add "2" at the end. Example: DF2



Premium



Economy



Safety-Slide™



# Spiral Recoil Hose

## Other Spirals



## Nylon Spiral



**Single Tube NSF 51®  
Polyurethane Spirals**



**Single Tube  
Nylon Spirals**



# Replacement Hose Fittings

## “H” Series



Model	Hose I.D. (Nominal)	Style	Thread
H14-1MSBR	1/4"	Rigid	1/8" Male NPT
H14-1MUSBR		Swivel	1/8" Male NPT
H14-2MSBR		Rigid	1/4" Male NPT
H14-2MUSBR		Swivel	1/4" Male NPT
H14-3MSBR		Rigid	3/8" Male NPT
H14-3MUSBR		Swivel	3/8" Male NPT
H2164-2MUSBR	21/64"	Swivel	1/4" Male NPT
H2164-3FSBR		Rigid	3/8" Female NPT
H2164-3FUSBR		Swivel	3/8" Female NPT
H2164-3MSBR		Rigid	3/8" Male NPT
H2164-3MUSBR		Swivel	3/8" Male NPT
H38-2MSBR	3/8"	Rigid	1/4" Male NPT
H38-2MUSBR		Swivel	1/4" Male NPT
H38-3FSBR		Rigid	3/8" Female NPT
H38-3MSBR		Rigid	3/8" Male NPT
H38-3MUSBR		Swivel	3/8" Male NPT
H38-4FSBR		Rigid	1/2" Female NPT
H1332-3MUSBR	13/32"	Swivel	3/8" Male NPT
H1332-4FSBR		Rigid	1/2" Female NPT
H1332-4MSBR		Rigid	1/2" Male NPT
H1332-4MUSBR		Swivel	1/2" Male NPT
H12-4FSBR	1/2"	Rigid	1/2" Female NPT
H12-4MSBR		Rigid	1/2" Male NPT
H12-4MUSBR		Swivel	1/2" Male NPT
H5-2MSBR	5mm	Rigid	1/4" Male BSPT
H5-2MUSBR		Swivel	1/4" Male BSPT
H6.5-2MSBR	6.5mm	Rigid	1/4" Male BSPT
H6.5-2MUSBR		Swivel	1/4" Male BSPT
H8-2MSBR	8mm	Rigid	1/4" Male BSPT
H8-3FSBR		Rigid	3/8" Female BSPT
H8-3MSBR		Rigid	3/8" Male BSPT
H8-3MUSBR		Swivel	3/8" Male BSPT
H11-3MSBR	11mm	Rigid	3/8" Male BSPT
H11-4MSBR		Rigid	1/2" Male BSPT
H11-4MUSBR		Swivel	1/2" Male BSPT

## “STH” Series



Model	Hose I.D. (Nominal)	Style	Thread
STH14-2MSBR	1/4"	Rigid	1/4" Male NPT
STH38-2MSBR	3/8"		1/4" Male NPT
STH38-3MSBR			3/8" Male NPT
STH12-3MSBR	1/2"		3/8" Male NPT
STH12-4MSBR			1/2" Male NPT

# Pneumatic Quick Disconnect Couplings

## General Coupling Information

### Manual Coupling Operation

Manual Coupling connections are made by pulling back the locking sleeve, inserting the plug, and releasing the sleeve.

ATP's Manual couplings are identified by their flush center bore.



### Automatic Coupling Operation

Automatic Coupling connections are made by simply inserting the plug.

ATP's Automatic couplings are identified by the protruding center bore.



### Pneumatic Quick Disconnect Coupling Specifications

Series	Body Material	Working Pressure	Temperature Range	Media	Number of Pawls (Balls)	Seal Material
<b>Premium Chrome-Plated</b>	Chrome-Plated Steel	150 psi	32°F - 150°F	Compressed Air	6	NBR (Buna-N)
<b>Stainless Steel</b>	303 Stainless Steel	300 psi	32°F - 150°F	Gases & Liquid	6	Viton®
<b>Economy Zinc-Plated</b>	Zinc-Plated Steel	150 psi	32°F - 150°F	Compressed Air	4	NBR (Buna-N)
<b>Free-Angle® Plugs</b>	Chrome-Plated Steel	145 psi	23°F - 140°F	Compressed Air	N/A	N/A
<b>Safety-Slide™</b>	Chrome-Plated Steel	20 – 210 psi	23°F - 140°F	Compressed Air	N/A	NBR (Buna-N)
<b>Safety-Twist™</b>	Chrome-Plated Steel	215 psi	20°F - 140°F	Compressed Air	6	NBR (Buna-N)

# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Premium Series



### Chrome-Plated Manual & Automatic Couplings

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These units connect with the plug by either pulling back the sleeve and inserting (manual), or by simply pushing both units together (automatic).

- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.
- 6 Retaining Balls Prolongs Seal life

Specifications	
Body Material	Chrome-Plated Steel
Maximum Working Pressure	150 psi
Temperature Range	32°F-150°F
Media	Compressed Air
Number of Pawls (Balls)	6
Seal Material	NBR (Buna-N)

### Chrome-Plated Plugs

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel.

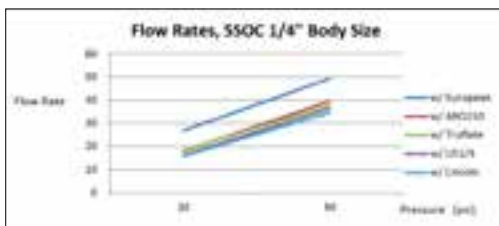
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Rugged Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.

Specifications	
Body Material	Chrome-Plated Steel
Maximum Working Pressure	150 psi
Temperature Range	32°F-150°F
Media	Compressed Air

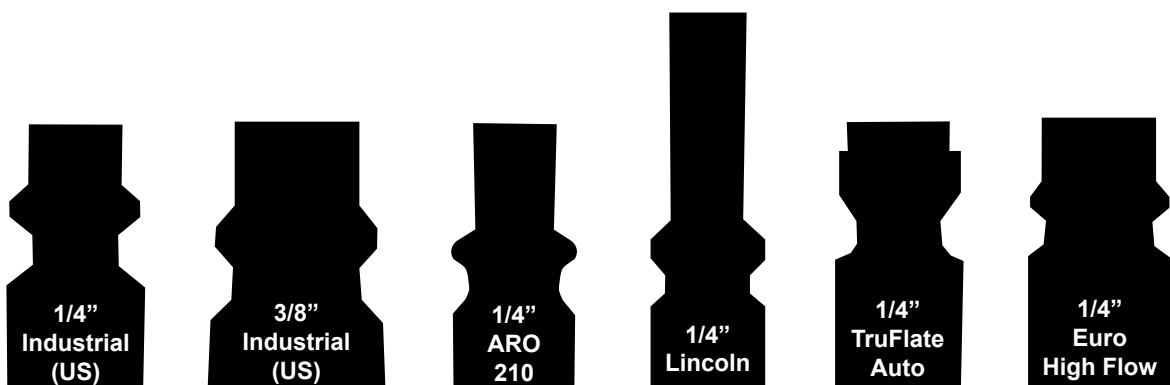
### Chrome-Plated Universal Couplings

**Connects with Industrial (US), TruFlate, ARO, European, and Lincoln Interchanges**

ATP's Premium Series Quick Disconnects are precision machined, chrome-plated steel. These Automatic Universal coupling connect with the plug by simply pushing both units together. **All 5SOC series couplings will connect to Industrial, TruFlate, ARO, European, and Lincoln Interchanges.**



- Automatically Connects to Popular Interchanges
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Precision Machining Ensures Long Lasting, Leak-Free Connection.
- 6 Retaining Balls Prolong Seal life





# Pneumatic Quick Disconnect Couplings

## Chrome-Plated Premium Series (Continued)



Interchange	Thread	Automatic Coupling	Manual Coupling	Universal Coupling	Plug
<b>1/4" Industrial (US)</b>	1/4" Female NPT	14SOC-N2F	14SIC-N2F		14PIC-N2F
	1/4" Male NPT	14SOC-N2M	14SIC-N2M		14PIC-N2M
	1/4" Hose Barb	14SOC-2B	14SIC-2B		14PIC-2B
	3/8" Female NPT	14SOC-N3F	14SIC-N3F		14PIC-N3F
	3/8" Male NPT	14SOC-N3M	14SIC-N3M		14PIC-N3M
	3/8" Hose Barb	14SOC-3B	14SIC-3B		14PIC-3B
<b>3/8" Industrial (US)</b>	1/4" Female NPT	38SOC-N2F	38SIC-N2F		38PIC-N2F
	1/4" Male NPT	38SOC-N2M	38SIC-N2M		38PIC-N2M
	1/4" Hose Barb	38SOC-2B	38SIC-2B		38PIC-2B
	3/8" Female NPT	38SOC-N3F	38SIC-N3F		38PIC-N3F
	3/8" Male NPT	38SOC-N3M	38SIC-N3M		38PIC-N3M
	3/8" Hose Barb	38SOC-3B	38SIC-3B		38PIC-3B
	1/2" Female NPT	38SOC-N4F	38SIC-N4F		38PIC-N4F
	1/2" Male NPT	38SOC-N4M	38SIC-N4M		38PIC-N4M
1/2" Hose Barb	38SOC-4B	38SIC-4B		38PIC-4B	
<b>1/4" European/High Flow</b>	1/4" Female NPT				HFPC-N2F
	1/4" Male NPT				HFPC-N2M
	1/4" Hose Barb				HFPC-2B
	3/8" Female NPT				HFPC-N3F
	3/8" Male NPT				HFPC-N3M
	3/8" Hose Barb				HFPC-3B
<b>1/4" Industrial ARO 210 TruFlate European Lincoln</b>	1/4" Female NPT			5SOC-N2F	
	1/4" Male NPT			5SOC-N2M	
	1/4" Hose Barb			5SOC-2B	
	3/8" Female NPT			5SOC-N3F	
	3/8" Male NPT			5SOC-N3M	
	3/8" Hose Barb			5SOC-3B	
<b>1/4" Japanese Industrial</b>	1/4" Female NPT	22-DSF-NPT			22-DPF-NPT
	1/4" Male NPT	22-DSM-NPT			22-DPM-NPT
	1/4" Hose Barb	22-DSH			22-DPH
	3/8" Female NPT	23-DSF-NPT			23-DPF-NPT
	3/8" Male NPT	23-DSM-NPT			23-DPM-NPT
	3/8" Hose Barb	23-DSH			23-DPH
	1/2" Female NPT	24-DSF-NPT			24-DPF-NPT
	1/2" Male NPT	24-DSM-NPT			24-DPM-NPT
1/2" Hose Barb	24-DSH			24-DPH	

# Pneumatic Quick Disconnect Couplings

## Stainless Steel Series

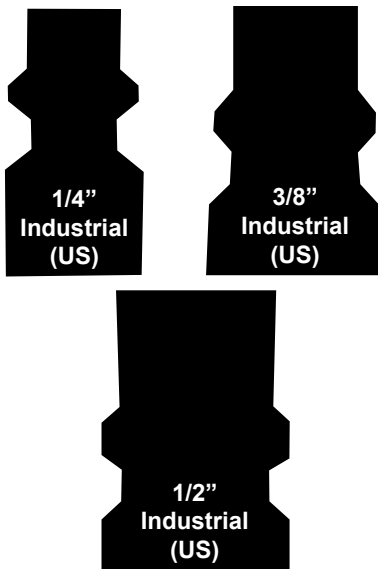
Constructed of Stainless Steel for the ultimate in corrosion resistance and durability, these quick disconnects are the premium option for a long service life in the toughest environments. When corrosion, elevated temperatures, or repetitive cleaning is a concern, the stainless steel and Viton® seal construction is an effective solution.

- Ultimate Corrosion Resistance
- Ideal for Maritime, Continual Outdoor, or Corrosive Environments
- Viton® Seals
- 6 Retaining Balls Prolong Seal Life



Specifications	
Body Material	303 Stainless Steel
Maximum Working Pressure	300 psi
Temperature Range	32°F-150°F
Media	Gases & Liquids
Number of Pawls (Balls)	6
Seal Material	Viton®

Specifications	
Body Material	303 Stainless Steel
Maximum Working Pressure	300 psi
Temperature Range	32°F-150°F
Media	Gases & Liquids



Interchange	Thread	Manual Coupling	Plug
<b>1/4" Industrial (US)</b>	1/4" Female NPT	SS14SI-N2F	SS14PI-N2F
	1/4" Male NPT	SS14SI-N2M	SS14PI-N2M
	1/4" Hose Barb	SS14SI-2B	SS14PI-2B
	3/8" Female NPT	SS14SI-N3F	SS14PI-N3F
	3/8" Male NPT	SS14SI-N3M	SS14PI-N3M
	3/8" Hose Barb	SS14SI-3B	SS14PI-3B
<b>3/8" Industrial (US)</b>	1/4" Female NPT	SS38SI-N2F	SS38PI-N2F
	1/4" Male NPT	SS38SI-N2M	SS38PI-N2M
	1/4" Hose Barb	SS38SI-2B	SS38PI-2B
	3/8" Female NPT	SS38SI-N3F	SS38PI-N3F
	3/8" Male NPT	SS38SI-N3M	SS38PI-N3M
	3/8" Hose Barb	SS38SI-3B	SS38PI-3B
<b>1/2" Industrial (US)</b>	3/8" Female NPT	SS12SI-N3F	SS12PI-N3F
	3/8" Male NPT	SS12SI-N3M	SS12PI-N3M
	3/8" Hose Barb	SS12SI-3B	SS12PI-3B
	1/2" Female NPT	SS12SI-N4F	SS12PI-N4F
	1/2" Male NPT	SS12SI-N4M	SS12PI-N4M
	1/2" Hose Barb	SS12SI-4B	SS12PI-4B
<b>1/4" Japanese Industrial</b>	1/4" Female BSPT (R)	22-DSF-SUS303	22-DPF-SUS303
	1/4" Male BSPT (R)	22-DSM-SUS303	22-DPM-SUS303
	1/4" Hose Barb	22-DSH-SUS303	22-DPH-SUS303
	3/8" Female BSPT (R)	23-DSF-SUS303	23-DPF-SUS303
	3/8" Male BSPT (R)	23-DSM-SUS303	23-DPM-SUS303
	3/8" Hose Barb	23-DSH-SUS303	23-DPH-SUS303
	1/2" Female BSPT (R)	24-DSF-SUS303	24-DPF-SUS303
	1/2" Male BSPT (R)	24-DSM-SUS303	24-DPM-SUS303
	1/2" Hose Barb	24-DSH-SUS303	24-DPH-SUS303

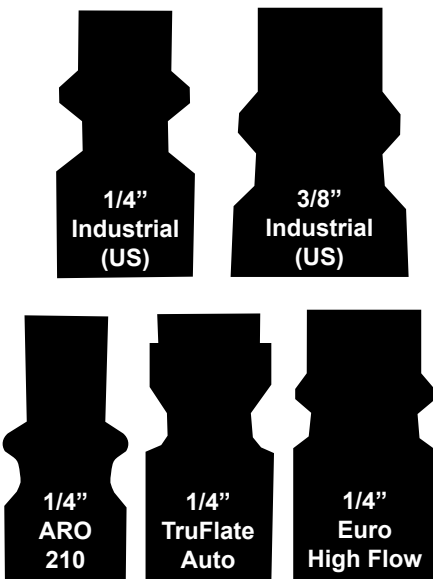
# Pneumatic Quick Disconnect Couplings

## Zinc-Plated Steel Economy Series

Zinc-Plated Couplings are a great economical option for any job-site or industrial setting. These couplers are machined from steel, providing a hard surface that is not easily damaged like brass or aluminum.

Specifications	
Body Material	Zinc-Plated Steel
Maximum Working Pressure	150 psi
Temperature Range	32°F-150°F
Media	Compressed Air
Number of Pawls (Balls)	4
Seal Material	NBR (Buna-N)

Specifications	
Body Material	Zinc-Plated Steel
Maximum Working Pressure	150 psi
Temperature Range	32°F-150°F
Media	Compressed Air



Interchange	Thread	Manual Coupling	Plug
<b>1/4" Industrial (US)</b>	1/4" Female NPT	14SI-N2F	14PI-N2F
	1/4" Male NPT	14SI-N2M	14PI-N2M
	3/8" Female NPT	14SI-N3F	14PI-N3F
	3/8" Male NPT	14SI-N3M	14PI-N3M
	1/2" Female NPT	14SI-N4F	14PI-N4F
	1/2" Male NPT	14SI-N4M	14PI-N4M
<b>3/8" Industrial (US)</b>	1/4" Female NPT	38SI-N2F	38PI-N2F
	1/4" Male NPT	38SI-N2M	38PI-N2M
	3/8" Female NPT	38SI-N3F	38PI-N3F
	3/8" Male NPT	38SI-N3M	38PI-N3M
	1/2" Female NPT	38SI-N4F	38PI-N4F
	1/2" Male NPT	38SI-N4M	38PI-N4M
<b>1/4" ARO 210</b>	1/4" Female NPT		14PA-N2F
	1/4" Male NPT		14PA-N2M
	3/8" Female NPT		14PA-N3F
	3/8" Male NPT		14PA-N3M
<b>1/4" TruFlate</b>	1/4" Female NPT		14PT-N2F
	1/4" Male NPT		14PT-N2M
	3/8" Female NPT		14PT-N3F
	3/8" Male NPT		14PT-N3M
<b>1/4" European/High Flow</b>	1/4" Female NPT		HPF-N2F
	1/4" Male NPT		HPF-N2M
	3/8" Female NPT		HPF-N3F
	3/8" Male NPT		HPF-N3M

# Pneumatic Quick Disconnect Couplings

The New Generation  
**FREE ANGLE®**

The Improved, Ergonomic, Patented Swivel Fitting From ATP



## Free-Angle® Plugs

The Free-Angle® Series was introduced in the early 1990's to address ergonomic issues in assembly settings. The Free-Angle® provides an ergonomic connection between air tools and hose. The Free-Angle® swivels 360° and pivots 45°, preventing kinking, tangles, and strain on compressed air lines.

- Reduces Operator Fatigue during Repetitive Movements
- Two Swivel Joints Enhance Ergonomics
- Minimizes Twisting in Straight and Spiral Hoses
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Thread Sealant on all Male Fittings

Specifications	
Material	Chrome-Plated Steel
Maximum Working Pressure	145 psi
Temperature Range	23°F - 140°F
Media	Compressed Air

## NFAP - N2M - UA

Style		Thread Style		Interchange	
NFAP	Free-Angle® Plug	N	NPT	UA	1/4" Industrial (US)
		(Blank)	BSPT	UB	3/8" Industrial (US)
		1	1/8"	ARO210	ARO 210
		2	1/4"	TRUFL	TruFlate
		3	3/8"	LN	Lincoln
		M	Male Thread	C320	European/High Flow
				C84	ISO 6150-C
				JIS	Japanese (JIS)



## Free Angle® Plugs

Model	Thread	Interchange	Body Size	Hex	Length	OD
NFAP-N1M-UA	1/8" Male NPT	Industrial	1/4"	19mm	1.88"	0.20"
NFAP-N2M-UA	1/4" Male NPT				2.11"	
NFAP-N3M-UA	3/8" Male NPT		3/8"	21mm	1.98"	0.20"
NFAP-N2M-UB	1/4" Male NPT	Industrial	3/8"	19mm	2.11"	0.28"
NFAP-N3M-UB	3/8" Male NPT				24mm	
NFAP-N2M-A210	1/4" Male NPT	ARO 210	1/4"	22mm	2.33"	0.20"
NFAP-N2M-TRUFL	1/4" Male NPT	TruFlate	1/4"	22mm	2.24"	0.20"
NFAP-N2M-LN	1/4" Male NPT	Lincoln	1/4"	N/A	2.36"	0.19"
NFAP-N2M-C320	1/4" Male NPT	Euro 7,2	1/4"	24mm	2.36"	0.28"
NFAP-N2M-C84	1/4" Male NPT	ISO 6150-C	1/4"	22mm	2.36"	0.31"
NFAP-2M-C84	1/4" Male BSPT				24mm	
NFAP-N2M-JIS	1/4" Male NPT	Japanese	1/4"	22mm	2.50"	0.29"
NFAP-2M-JIS	1/4" Male BSPT					

See Free-Angle® Threaded Fittings : Page 69 - 70

# Pneumatic Quick Disconnect Couplings

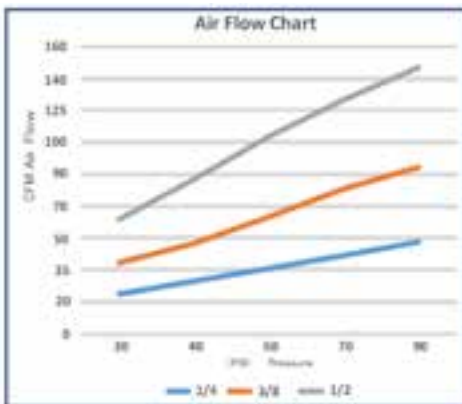
## Safety Slide™

## Full Flow Safety Couplings



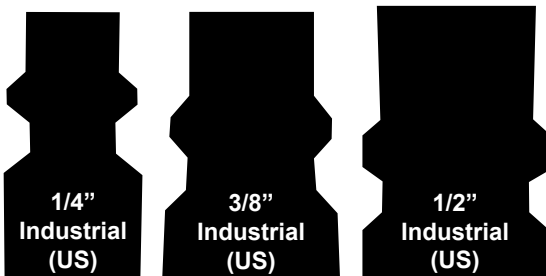
The Safety-Slide™ features a compact, lightweight design that increases safety, and reduces user fatigue when compared to a traditional coupler design. The Patented locking mechanism prevents accidental disconnection while under pressure. The Safety-Slide™ **eliminates the valve and spring often seen in traditional couplers**, providing unrestricted flow and maximum tool performance. Connecting the Safety-Slide™ is accomplished under zero pressure by inserting the plug, and pivoting. All Safety-Slide™ Couplings are Chrome-Plated for easy clean-up in automotive or paint settings, and available in multiple sizes.

- Full Flow Design Eliminates Traditional Valves
- Safety Lock Connection Prevents Disconnection, Reducing Risk of Injury
- Bleeds Downstream Pressure Before Disconnection
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Steel Construction Maintains Integrity, not Easily Damaged like Brass
- Will Not Degrade Flow When Joining Hoses



### Safety-Slide™ Premium Safety Couplings

Model	Thread	Interchange	Body Size	Hex	Length	OD
14DF-N2F	1/4" Female NPT	Industrial	1/4"	19mm	1.73"	0.83"
14DF-N2M	1/4" Male NPT				1.85"	
14DF-2B	1/4" Hose Barb				2.32"	
14DF-N3F	3/8" Female NPT	Industrial	1/4"	21mm	1.77"	0.83"
14DF-N3M	3/8" Male NPT			19mm	1.93"	
14DF-3B	3/8" Hose Barb			2.40"		
14DF-N4F	1/2" Female NPT	Industrial	1/4"	26mm	1.85"	0.83"
14DF-N4M	1/2" Male NPT			22mm	2.00"	
38DF-N2F	1/4" Female NPT	Industrial	3/8"	22mm	1.57"	0.94"
38DF-N2M	1/4" Male NPT				1.93"	
38DF-2B	1/4" Hose Barb				2.40"	
38DF-N3F	3/8" Female NPT	Industrial	3/8"	22mm	1.81"	0.94"
38DF-N3M	3/8" Male NPT				2.05"	
38DF-3B	3/8" Hose Barb				2.48"	
38DF-N4F	1/2" Female NPT	Industrial	3/8"	26mm	1.89"	0.94"
38DF-N4M	1/2" Male NPT			22mm	2.05"	
38DF-4B	1/2" Hose Barb			2.59"		
12DF-N3F	3/8" Female NPT	Industrial	1/2"	24mm	1.77"	1.10"
12DF-N3M	3/8" Male NPT				2.24"	
12DF-3B	3/8" Hose Barb				2.67"	
12DF-N4F	1/2" Female NPT	Industrial	1/2"	26mm	2.09"	1.10"
12DF-N4M	1/2" Male NPT			24mm	2.24"	
12DF-4B	1/2" Hose Barb			2.79"		
12DF-N6F	3/4" Female NPT	Industrial	1/2"	32mm	2.17"	1.10"



# Pneumatic Quick Disconnect Couplings

**Safety-Twist™**



## Locking Universal Safety Coupling

ATP's Safety-Twist™ Locking Universal Safety Coupling features a secure method of connection. The Safety-Twist™ automatically connects by simply inserting a plug into the coupling.

Once connected, a sleeve rotates and locks the connection. To disconnect the Safety-Twist™, simply twist and pull back on the sleeve. Downstream pressure is safely vented before the plug can be removed. The locking connection is suited for assembly areas where unintended disconnection would damage surrounding equipment.

**The Safety-Twist™ works with all 1/4" Body Industrial, TruFlate, and ARO Plugs.**

- Locking Connection Prevents Unintended Separation
- Safely Vents Pressure before Disconnection
- Universal, Works with 3 Major US Interchanges
- Chrome-Plated Steel, Easily Cleaned of Paint or Grease
- 6 Balls Provide Precise Interface with Plug

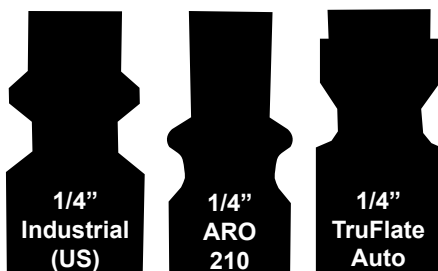
### 3 USC- N2F

Body Size/Interchange		Style		Threads	
3	1/4" Universal	USC	Safety-Twist™	N	NPT
				2	1/4"
				M	Male Thread
				F	Female Thread
				H14	Hose Compression

Specifications	
Body Material	Chrome-Plated Steel
Maximum Working Pressure	0-215 psi
Temperature Range	20°F to 140°F
Media	Compressed Air
Number of Pawls (Balls)	6
Seal Material	Buna-N
Tariff Code	7307.99.4000

### Safety-Twist™ Locking Universal Safety Couplings

Model	Thread	Interchange	Body Size	Hex	Length	O.D.	Weight (oz.)
3USC-N2M	1/4" Male NPT	Industrial, ARO, TruFlate	1/4"	19mm	2.28"	1.00"	3.8
3USC-N2F	1/4" Female NPT				2.20"		4.3
3USC-H14	1/4" Hose Compression				2.79"		4.2



### Cubic Feet/Minute Flow Rates

Model	60 psi	85 psi	115 psi	145 psi
U.S. Industrial Interchange (ISO B)	23	33	41	49
Truflate (Automotive)	23	33	42	48
ARO 210	22	32	41	47

# Pneumatic Quick Disconnect Couplings



## TST Swing SC Couplers

TST Swing Couplers provide full, non-restricted performance in a heavy-duty package. Connection is achieved by inserting the plug into the coupler and pivoting. To unlock, pull the protective sleeve back and pivot.

- Safely Vents Pressure at Disconnection
- Connects Easily, without Extra Force Required at 0 psi

### Industrial Interchange Models

Specifications	
Working Pressure	200 psi
Temperature Range	-4°F to 212°F
Body Construction	Nickel-Plated Steel
Seal Material	NBR Rubber



Item	Thread	Interchange	Body Size	Series	Length	Diameter	Weight lb
205 00 317	1/4" Male NPT	Industrial	1/4"	B1	2.20" (56.1mm)	0.78" (20mm)	0.25
205 00 318	3/8" Male NPT				2.30" (58.6mm)		
205 00 319	1/2" Male NPT				2.54" (64.6mm)		
205 00 311	1/4" Female NPT				1.92" (48.8mm)		
205 00 312	3/8" Female NPT				1.91" (48.6mm)		
205 00 313	1/2" Female NPT				2.68" (68.1mm)		
205 00 320	1/4" (6mm) Hose Barb						
205 00 321	5/16" (8mm) Hose Barb						
205 00 322	3/8" (10mm) Hose Barb						
205 00 214	1/4" Male NPT				Industrial		
205 00 030	3/8" Male NPT	2.30" (58.5mm)					
205 00 031	1/2" Male NPT	2.69" (68.5mm)					
205 00 052	1/4" Female NPT	2.30" (58.5mm)					
205 00 026	3/8" Female NPT	2.89" (73.5mm)					
205 00 027	1/2" Female NPT	3.20" (81.5mm)					
205 00 083	5/16" (8mm) Hose Barb						
205 00 084	3/8" (10mm) Hose Barb						
205 00 085	1/2" (13mm) Hose Barb						
205 00 113	1/2" Male NPT	Industrial	1/2"	H	3.12" (79.3mm)	1.32" (35mm)	0.33
205 00 114	3/4" Male NPT				3.27" (83.3mm)		
205 00 110	1/2" Female NPT				3.55" (90.3mm)		
205 00 111	3/4" Female NPT						





# Pneumatic Quick Disconnect Couplings

## ARO Interchange Models



Item	Thread	Interchange	Body Size	Series	Length	Diameter	Weight lb
205 00 297	1/4" Male NPT	ARO	1/4"	A1	1.92" (48.8mm)	0.78" (20mm)	0.33
205 00 298	3/8" Male NPT						0.33
205 00 299	1/2" Male NPT						
205 00 291	1/4" Female NPT				1.91" (48.6mm)		0.16
205 00 292	3/8" Female NPT				2.20" (56.1mm)		
205 00 293	1/2" Female NPT				2.30" (58.6mm)		
205 00 300	1/4" (6mm) Hose Barb				2.54" (64.6mm)		
205 00 301	5/16" (8mm) Hose Barb				2.68" (68.1mm)		
205 00 302	3/8" (10mm) Hose Barb						

## European Interchange Models



Item	Thread	Interchange	Body Size	Series	Length	Diameter	Weight lb
205 00 375	1/4" Male NPT	European	1/4"	C	2.21" (56.2mm)	0.94" (24mm)	0.16
205 00 354	3/8" Male NPT						
205 00 355	1/2" Male NPT				2.30" (58.5mm)		0.33
205 00 348	1/4" Female NPT				2.69" (68.5mm)		
205 00 349	3/8" Female NPT				2.89" (73.5mm)		
205 00 350	1/2" Female NPT						
205 00 356	1/4" (6mm) Hose Barb				3.20" (81.5mm)		
205 00 357	5/16" (8mm) Hose Barb						
205 00 358	3/8" (10mm) Hose Barb						

## Protective Housing Covers

### Plastic Housing Covers

These covers are installed over the housing to protect work pieces.



Item	Swing Coupler Series	Weight lb
295 00 385	A1, B1	0.01
295 00 340	C, E	
295 00 531	HB	

### Vinyl Protective Covers

These covers are installed over the entire airline assembly providing complete protection of delicate surfaces.



Item	Swing Coupler Series	Weight lb
295 00 480	A1, B1	0.08
295 00 481	C, E	

# Brass Fittings & Mufflers



Thread 1	Thread 2	Male Hex & Reducers	Female Hex & Reducers	Male Close Nipple	Bushing	Male x Female	Male Elbow	Street Elbow	Female Elbow
1/8" NPT	1/8" NPT	MC01-01	FC01-01	MCC01-01			ML01-01	STL01-01	FL01-01
1/4" NPT	1/8" NPT	MC02-01	FC02-01		BU02-01	MFC02-01			
1/4" NPT	1/4" NPT	MC02-02	FC02-02	MCC02-02		MFC02-02	ML02-02	STL02-02	FL02-02
3/8" NPT	1/8" NPT	MC03-01			BU03-01	MFC03-01			
3/8" NPT	1/4" NPT	MC03-02	FC03-02		BU03-02	MFC03-02			
3/8" NPT	3/8" NPT	MC03-03	FC03-03	MCC03-03		MFC03-03	ML03-03	STL03-03	FL03-03
1/2" NPT	1/8" NPT				BU04-01				
1/2" NPT	1/4" NPT	MC04-02			BU04-02	MFC04-02			
1/2" NPT	3/8" NPT	MC04-03	FC04-03		BU04-03	MFC04-03			
1/2" NPT	1/2" NPT	MC04-04	FC04-04	MCC04-04		MFC04-04	ML04-04	STL04-04	FL04-04
3/4" NPT	3/8" NPT					MFC06-03			
3/4" NPT	1/2" NPT					MFC06-04			
3/4" NPT	3/4" NPT					MFC06-06	MFC06-06		



Thread	Length	Male Long Nipple
1/8"	1.50"	MCL01-15
	2.00"	MCL01-20
	2.50"	MCL01-25
	3.00"	MCL01-30
1/4"	1.50"	MCL02-15
	2.00"	MCL02-20
	2.50"	MCL02-25
	3.00"	MCL02-30
3/8"	1.50"	MCL03-15
	2.00"	MCL03-20
	2.50"	MCL03-25
	3.00"	MCL03-30
1/2"	1.50"	MCL04-15
	2.00"	MCL04-20
	2.50"	MCL04-25
	3.00"	MCL04-30



Thread 1	Thread 2	Hose Barb	Non-Lead Hose Barb	Hose Barb Elbow
3/16" Hose Barb	1/8" Male NPT		HBM316-01NL	HBL316-01
	1/4" Male NPT			HBL316-02
1/4" Hose Barb	1/8" Male NPT	HBM14-01	HBM14-01NL	HBL14-01
	1/4" Male NPT	HBM14-02	HBM14-02NL	HBL14-02
	3/8" Male NPT	HBM14-03		HBL14-03
5/16" Hose Barb	1/8" Male NPT		HBM516-01NL	HBL516-01
	1/4" Male NPT		HBM516-02NL	HBL516-02
	3/8" Male NPT			HBL516-03
3/8" Hose Barb	1/8" Male NPT	HBM38-01		
	1/4" Male NPT	HBM38-02	HBM38-02NL	HBL38-02
	3/8" Male NPT	HBM38-03	HBM38-03NL	HBL38-03
	1/2" Male NPT	HBM38-04	HBM38-04NL	HBL38-04
1/2" Hose Barb	1/4" Male NPT	HBM12-02	HBM12-02NL	HBL12-02
	3/8" Male NPT	HBM12-03	HBM12-03NL	HBL12-03
	1/2" Male NPT	HBM12-04	HBM12-04NL	
5/8" Hose Barb	3/8" Male NPT			HBL58-03
	1/2" Male NPT		HBM58-04NL	HBL58-04
3/4" Hose Barb	1/2" Male NPT		HBM34-04NL	HBL34-04
	3/4" Male NPT		HBM34-06NL	HBL34-06
	1" Male NPT			HBL1-06
1" Hose Barb	3/4" Male NPT			HBL1-06
	1" Male NPT			HBL1-08

## Warning

This product can expose you to chemicals including Lead which is known to the State of California to cause cancer and birth defect.

For more information, go to:  
[www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

# Brass Fittings & Mufflers



Thread	Hex Head Plug	Countersunk Hex Head Plug	Cone Muffler	Wire Mesh
1/8" Male NPT	HHP01	RHP01	SBM01	BMW-01
1/4" Male NPT	HHP02	RHP02	SBM02	BMW-02
3/8" Male NPT	HHP03	RHP03	SBM03	BMW-03
1/2" Male NPT	HHP04	RHP04	SBM04	BMW-04



Thread 1	Thread 2	Male Branch Tee	Union Tee
1/8" NPT	1/8" NPT	FBT01-01	FT01-01
1/4" NPT	1/4" NPT	FBT02-02	FT02-02
3/8" NPT	3/8" NPT	FBT03-03	FT03-03
1/2" NPT	1/2" NPT	FBT04-04	FT05-04



Thread 1	Thread 2	Hose Mender
1/4" Hose Barb	1/4" Hose Barb	HM14-00
5/16" Hose Barb	5/16" Hose Barb	HM516-00
3/8" Hose Barb	3/8" Hose Barb	HM38-00
1/2" Hose Barb	1/2" Hose Barb	HM12-00
3/4" Hose Barb	3/4" Hose Barb	HM34-00

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# “Free” Fittings

The New Generation  
**FREE ANGLE®**

The Improved, Ergonomic, Patented Swivel Fitting From ATP®

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- Two Swivel Joints Enhance Ergonomics
- Minimizes Twisting in Straight and Spiral Hoses
- Chrome-Plating Resists Corrosion, Easily Cleaned of Paint or Grease
- Thread Sealant on all Male Fittings

### NFA N2M - N2M

Style		Thread Style		Thread Style	
NFA	Free-Angle® Fitting	N	NPT	N	NPT
NFAB	Free-Angle® Hose Barb	(Blank)	BSPT	(Blank)	BSPT
		G	BSPP	G	BSPP
		1	1/8"	1	1/8"
		2	1/4"	2	1/4"
		3	3/8"	3	3/8"
		M	Male Thread	M	Male Thread
		F	Female Thread		

Specifications	
Material	Chrome-Plated Steel
Maximum Working Pressure	145 psi
Temperature Range	23°F - 140°F
Media	Compressed Air
Seal Material	NBR- Rubber

Model	Thread 1	Hex 1	Thread 2	Hex 2	Length	O.D.
NFAN2F-N1M	1/4" Female NPT	19mm	1/8" Male NPT	19mm	2.12" (53.8mm)	0.74" (19.0mm)
NFAN2F-N2M			1/4" Male NPT		2.25" (57.1mm)	
NFAN2F-N3M			3/8" Male NPT		2.31" (58.6mm)	
NFAN3F-N3M	3/8" Female NPT	19mm	3/8" Male NPT	19mm	2.31" (58.6mm)	0.74" (19.0mm)
NFAN2M-N2M	1/4" Male NPT	19mm	1/4" Male NPT	19mm	2.31" (58.6mm)	0.74" (19.0mm)
NFAN3M-N3M	3/8" Male NPT	19mm	3/8" Male NPT	21mm	2.37" (60.1mm)	0.74" (19.0mm)
NFA2M-2M	1/4" Male BSPT	19mm	1/4" Male BSPT	19mm	2.31" (58.6mm)	0.74" (19.0mm)
NFA3M-3M	3/8" Male BSPT	19mm	3/8" Male BSPT	21mm	2.37" (60.1mm)	0.74" (19.0mm)
NFA2F-2M	1/4" Female BSPT	19mm	1/4" Male BSPT	19mm	2.25" (57.1mm)	0.74" (19.0mm)
NFA3F-3M	3/8" Female BSPT	19mm	3/8" Male BSPT	21mm	2.31" (58.6mm)	0.74" (19.0mm)
NFAB-N1M-2	1/8" Male NPT	19mm	1/4" Hose Barb	N/A	2.75" (69.8mm)	0.74" (19.0mm)
NFAB-N2M-2	1/4" Male NPT	19mm	1/4" Hose Barb	N/A	2.81" (71.3mm)	0.74" (19.0mm)
NFAB-N2M-3	1/4" Male NPT	19mm	3/8" Hose Barb	N/A	3.00" (76.2mm)	0.74" (19.0mm)
NFAB-N3M-3	3/8" Male NPT	19mm	3/8" Hose Barb	N/A	3.00" (76.2mm)	0.74" (19.0mm)



## Free-Elbow

The innovative design of the Free Elbow provides increased airflow compared to competing 90° units. A swivel along with a rotating joint provide an unrestricted range of motion for the user, reducing fatigue.



### FE N2F - N2M

Style		Thread Style		Thread Style	
FE	Free-Elbow	N	NPT	N	NPT
		(Blank)	BSPT	(Blank)	BSPT
		2	1/4"	2	1/4"
		3	3/8"	3	3/8"
		4	1/2"	4	1/2"
		F	Female Thread	F	Female Thread
		M	Male Thread	M	Male Thread

Specifications	
Material	Chrome-Plated Steel
Maximum Working Pressure	145 psi
Temperature Range	23°F - 140°F
Media	Compressed Air
Seal Material	NBR- Rubber

Model	Thread 1	Hex 1	Thread 2	Hex 2	Length	O.D.
FEN2F-N2M	1/4" Female NPT	19mm	1/4" Male NPT	19mm	2.40" (60.9mm)	0.80" (20.3mm)
FEN3F-N3M	3/8" Female NPT		3/8" Male NPT		2.44" (61.9mm)	
FEN4F-N4M	1/2" Female NPT	24mm	1/2" Male NPT	24mm	2.85" (72.3mm)	1.02" (25.9mm)
FE2F-2M	1/4" Female BSPT	19mm	1/4" Male BSPT	19mm	2.40" (60.9mm)	0.80" (20.3mm)
FE3F-3M	3/8" Female BSPT		3/8" Male BSPT		2.44" (61.9mm)	
FE4F-4M	1/2" Female BSPT	24mm	1/2" Male BSPT	24mm	2.85" (72.3mm)	1.02" (25.9mm)

# Tubing & Hose Clamps



## Ear Clamps

Ear Clamps offer a simple, long lasting installation where removal or disassembly is generally not required. Care must be taken during the clamping procedure to ensure that the proper amount of force is used during crimping. ATP offers Oetiker® Clamp Installation Tools in a variety of configurations.

### Ear Clamps

	101 Series	151 Series	153 Series	155 Series Mechanical Interlock	167 Series Stepless®
<b>Number of Ears</b>	2	2	1	1	1
<b>Material</b>	Zinc-Plated Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
					

Please See Our Full-Line Catalog or Website for Our Complete Clamp Offering



## Oetiker® Ear Clamp Installation Tools

Clamp installation tools from Oetiker will provide consistent and even pressure around hose barbs.

Model	Action	Jaw Style
14100496	Compound	Standard (Front)
14100498	Compound	Side (Front & Side)
14100396	Single	Standard (Front)



14100496



14100498



14100396

# Tubing & Hose Cutters

**TechniCut™** 



## TC-200

The TechniCut™ Premium Hose and Tubing Cutter features a patented design that provides straight, repeatable cuts up to 1" O.D.

The shape and design of the cutter differs from others in that it does not engage the tube via the blade's point, rather the edge.

- Suited for Production Settings
- All-Metal Design
- Soft Grips Ensure user Comfort
- Replaceable Blade
- Made in USA

## TC-200 BLADE

Replacement Blade for TechniCut™ TC-200



## TC-14

A compact and durable cutter constructed of a tough reinforced plastic. Suitable for tubing and hose from 1/8" to 1/2" OD (3mm-12mm)

## TC-14RPK

5 Pack of carbon steel replacement blades.



## TC-100

A high quality, large capacity cutter capable of sizes through 1" (25.4mm)

## TC-100 BLADE

A single PTFE coated steel replacement blade.



## ETC-20

Unique tubing and hose cutter equipped with a 1m tape measure. Rotatable 5 sided blade allows for longer blade service life.

## ETC-20RPK

A Single 5 sided replacement blade.





# Hose Reels & Balancers



## Setup a workspace for efficiency and safety with TechniReel™

TechniReel™ Hose Reels enable workstations to be kept clear of potentially dangerous trip hazards. When not in use, the hose is stored within the reel.

TechniReel™ Hose Reels can be equipped with the **Safety-Wind™** Controlled-Return System, allowing for a steady rewind of the hose into the reel. The **Safety-Wind™** feature is available on select reels with a simple installation consisting of 3 screws. The steady, controlled return of the Safety-Wind™ eliminates the rapid and often uninhibited return seen in other units.

The design of the TechniReel™ Hose Reels enables serviceability. The springs are in a self-contained unit, allowing for cleaning and service, without the need to rewind like other units. The plastic housing will not rust when compared to steel housings, and are UV-Resistant allowing for outdoor use.

**All TechniReel™ units can be mounted vertically or horizontally with the supplied swiveling steel mounting bracket**

Specifications	
Maximum Pressure	150 psi
Media	Compressed Air
Inlet Thread	Female
Outlet Thread	Male
Hose Construction	Polyurethane
Temperature Range	14°F to 113°F



### Features:

- Shock-Resistant Plastic Housing
- UV-Resistant Housing, Suitable for Outdoor Use
- Carbon Steel Spring for Long-Term Durability
- Serviceable and Cleanable
- Steel Wall-Mounting Bracket
- Automatic Spring Rewind System



## Hose Reels

Model	Hose ID	Hose Length	Threads	Safety-Wind™ Equipped?	Depth	Height	Width	Weight
TR14-20	3/16"	20'	1/4" NPT	Not Available	8.8in (225mm)	7.0in (180mm)	5.1in (130mm)	2.6lb (1.2 kg)
SHR14-30	1/4"	30'	1/4" NPT	Yes	12.2in (310mm)	10.4in (265mm)	6.4in (165mm)	6.6lb (3.0 kg)
HR14-30				No				
SHR14-50		50'		Yes	15.5in (395mm)	12.4in (315mm)	8.8in (225mm)	9.0lb (4.1 kg)
HR14-50				No				
SHR38-25	3/8"	25'	3/8" NPT	Yes	15.5in (395mm)	12.4in (315mm)	8.8in (225mm)	9.0lb (4.1 kg)
HR38-25				No				
SHR38-50		50'		Yes	17.7in (450mm)	13.1in (335mm)	7.2in (185mm)	11.0lb (5.0kg)
HR38-50				No				
HR12-50	1/2"	50'	1/2" NPT	Not Available	20.8in (530mm)	16.7in (425mm)	8.2in (210mm)	18.2lb (8.3 kg)



## Safety-Wind™ Controlled-Return Kits

Model	Installed On
SM14-30	HR14-30
SM14-50	HR14-50
SM38-25	HR38-25
SM38-50	HR38-50



# Hose Reels & Balancers

## Hose Balancers



### MHB “Mega Hose Balancer” Series

The Mega Hose Balancer is a robust die-cast aluminum design that offers varying tool weight and hose length options.

- Tested to 300,000 cycles
- Equipped with Braided-Polyurethane Hose
- Large Knob Style Adjuster does not Require Tools
- Increase Efficiency and Productivity
- Reduce Workspace Clutter

### LR-09 “Light-Duty” Hose Balancer

Lightweight plastic body and compact design are suitable for workstations and light-duty applications. Dial-type torque adjustment. Flexible polyurethane hose for ergonomic operator comfort. Two hose lengths are available. Spring guard is included.

#### Mega Hose Balancers

Model	Tool Capacity	Hose Length
MHB-83	2.2 – 6.6 lb (1 - 3kg)	50" (1,3m)
MHB-84		72" (1,9m)
MHB-85	6.6 – 11.0 lb (3 - 5kg)	40" (1,0m)
MHB-86		72" (1,9m)

#### Light Duty Balancers

Model	Tool Capacity	Hose Length
LR-09	3.3 lbs (1.5kg)	35" (0,9m)
LR-09B-200		78" (2,0m)

Specifications	MHB “Mega Hose Balancer” Series	LR-09 “Light-Duty” Hose Balancer
Media	Compressed Air	Compressed Air
Max Working Pressure	143psi (10 Bar)	140psi (10 Bar)
Temperature Range	32°F to 142°F	32°F to 142°F
Hose Style	5/16" ID (8x10.5mm) Braided Polyurethane	5 x 8mm Polyurethane
Inlet Connection	3/8" Male NPT	1/4" Female NPT
Outlet Connection (Hose)	1/4" Female NPT	1/4" Male NPT
Item Weight	5.5lb (2.5kg)	1.87lb (0.85kg)
Body Construction	Die-Cast Aluminum	Plastic

## Cable Balancers

Cable Balancers help create a clean and efficient workspace by enabling users to position tools above a workspace and in an ideal location. Cable balancers can be adjusted to allow any tool to remain in a location after being placed by a user, this is critical for ergonomics and repeatability in assembly applications.

- Tested at 500,00 Cycles
- Nylon Coated Cable
- Increase Efficiency and Productivity
- Reduce Workspace Clutter



Model	Tool Capacity	Wire Length	Balancer Weight	Adjustment Style	Body Material
STB-30	3.3 – 6.6 lb (1.5 – 3.0kg)	50" (1,3m)	2.6 lbs (1,3kg)	Tension Key	Plastic
STB-30-2		78" (2,0m)	2.9 lbs (1,4kg)		
STB-50	6.6 – 11.0 lb (3.0 – 5.0kg)	50" (1,3m)	2.9 lbs (1,3kg)	Tension Key	Plastic
STB-50-2		78" (2,0m)	3.3 lbs (1,5kg)		
TB-10	1.1 – 3.3 lb (0.5 – 1.5kg)	20" (0,5m)	0.6 lbs (0,3kg)	Knob Style	ABS Plastic
TB-15		40" (1,0m)	1.4 lbs (0,5kg)		

# Compressed Air Blowguns



**BK9405-5HD**

## Composite Pistol Grip Blowguns

Composite Pistol Grip Blowguns feature a lightweight, plastic construction.

Model	Tip	Sound Level	Temperature Range	Inlet	Working Pressure	Body Material	OSHA Compliant?
BK9405-5HD*	4" Fixed	76 dBa	-4°F to 158°F	1/4" Female NPT	90-120 psi	POM	No

## Palm Type Blowgun

Palm Type Blow Guns provide an all metal lever operated unit in a small, tough package.



Model	Tip	Sound Level	Temperature Range	Inlet	Working Pressure	Body Material	OSHA Compliant?
BK9407-HDS	Bypass Style	N/A	32°F to 140°F	1/4" Female NPT	0-150 psi	Zinc-Plated Brass	Yes



**K601-03**

## All-Metal Pistol Grip Blowguns

All-Metal Pistol Grip Blowguns provide comfortable ergonomics with durable construction.



**10K601-ARS**

Model	Tip	Sound Level	Temperature Range	Inlet	Working Pressure	Body Material	OSHA Compliant?
K601-03	6" Fixed	83.7 dBa	32°F to 140°F	1/4" Female NPT	0-150 psi	Plated Brass	No
10K601-ARS	Vibro Nozzle	90.6 dBa	41°F to 140°F	1/4" Female NPT	0-150 psi	Plated Brass	Yes

## Prevost® 27202 Compressed Air Blowguns

Model	Tip	Sound Level	Temperature Range	Inlet	Working Pressure	Body Material	Consumption @ 87 psi	OSHA Compliant?
27202 OSHA	Permanent OSHA	90 dBa	5°F to 158°F	1/4" Male NPT	145 psi	Composite	7.7 scfm	Yes
27202 SIL	Silent Nozzle	77 dBa	-4°F to 158°F	1/4" Female NPT	90-120 psi	POM	6.8 scfm	Yes
27202 ECR	Protective Curtain	82 dBa	-4°F to 158°F	1/4" Female NPT	90-120 psi	POM	13.8 scfm	Yes
27202 MTL	Metal Nozzle	83 dBa	-4°F to 158°F	1/4" Female NPT	90-120 psi	POM	13.5 scfm	Yes



**27202 OSHA**



**27202 SIL**



**27202 ECR**



**27202 MTL**

# Chemical Resistance Chart

	Polyurethane	Nylon 12	Polyethylene	PKC	PTFE	Weird Tubing Cover
<b>Acids</b>						
Acetic, 3n	B	E	A	A	A	A
Boric, 4%	B	A	A	A	A	A
Chromic, 3n	D	E	A	A	A	—
Citronic, 3n	B	—	A	A	A	—
Formic, 3n	D	A	A	A	A	A
HCl, 3n	A	E	A	A	A	—
Lactic, 3n	C	B	A	A	A	A
Nitric, 3n	D	E	A	A	A	B
Phosphoric, 3n	D	D	A	A	A	A
Sulfuric, <20%	A	B	A	A	A	A
Sulfuric, >20%	B	C	B	A	A	A
<b>Alkalines</b>						
Ammonia, 3n	A	A	—	A	A	A
Potassium Hydroxide, 3n	A	—	A	A	A	A
Sodium Hydroxide, <20%	A	A	A	A	A	A
Sodium Hydroxide, >20%	C	A	—	A	A	A
<b>Aqueous Solution</b>						
Aluminum Chloride, 10%	B	—	A	A	A	A
Ammonium Chloride, 10%	B	A	A	A	A	A
Bleaching Agent, 40%	A	E	—	—	A	A
Bleaching Agent, 100%	B	E	—	—	A	—
Calcium Chloride, 40%	B	A	A	—	A	—
Caustic Soda, 10%	A	A	—	—	A	—
Ferric Chloride, 10%	B	—	A	A	A	A
Hydrogen Peroxide, 3%	A	A	A	A	A	A
Magnesium Chloride, 30%	B	—	A	A	A	—
Potassium Chloride, 40%	B	A	A	—	A	—
Potassium Dichromate, 10%	B	C	A	—	A	—
Potassium Permanganate, 5%	D	D	A	—	A	—
Sea Water	A	A	A	A	A	—
Sodium Bisulfate, 10%	B	A	A	—	A	—
Sodium Chloride, 10%	B	B	A	—	A	—
Sodium Hypochlorite, PH 13	A	B	A	—	A	A
<b>Fuels</b>						
ASTM Fuel A	A	—	—	B	A	—
ASTM Fuel B	C	—	—	C	A	—
ASTM Fuel C	C	—	—	—	A	—
Diesel Fuel	B	A	—	B	A	D
Gasohol (10-15% Methanol)	D	—	—	—	A	—
High-test (Super) Gasoline	D	A	—	—	A	—
Kerosene	A	V	—	B	A	D
<b>Oils</b>						
ASTM Oil #1	A	—	—	B	A	—
ASTM Oil #2	A	—	—	—	A	—
ASTM Oil #3	A	—	—	B	A	—
Brake Fluid (ATE or ATS)	D	A	—	—	A	—
Gear Box Oil (SAE 90)	A	—	—	—	A	—
Hydraulic Fluid	B	—	—	—	A	—
Hydraulic/Water Emulsion	B	—	—	—	A	—
Mineral Oil	A	A	C	A	A	—
Motor Oil	A	A	B	—	A	—
Paraffin Oil	A	A	—	A	A	—
Power Steering Fluid	B	—	—	—	A	—
Skydrol® 500 Oil	D	—	—	—	A	B

	Polyurethane	Nylon 12	Polyethylene	PKC	PTFE	Weird Tubing Cover
<b>Greases</b>						
Calcium Grease	A	—	—	—	A	—
Sodium Grease	A	—	—	—	A	—
Teflon® Grease	A	—	—	—	A	—
<b>Miscellaneous</b>						
Diocyl Phthalate (DOP)	A	—	C	C	A	—
Ethylene Chloride	B	C	D	—	A	D
Ethylene Glycol/Water 50/50	B	—	—	A	A	A
Household Cleaner	B	—	—	—	A	—
Naptha	A	—	A	B	A	D
Silage (Silo) Juice	B	—	—	—	A	—
Natural Perspiration	A	—	—	—	A	—
Tincture of Iodine	D	—	—	—	A	—
Tricresyl Phosphate	D	—	—	C	A	—
<b>Solvents</b>						
Acetone	D	A	D	C	A	B
Aniline	D	B	B	B	A	—
Benzene	D	A	D	C	A	D
Benzyl Alcohol	E	—	—	—	A	B
Butane	B	A	—	—	A	B
Butyl Acetate	D	A	B	C	A	—
Butyl Alcohol	D	A	A	—	A	—
Carbon Tetrachloride	D	A	D	C	A	D
Chlorobenzene	D	C	D	C	A	D
Chloroform	D	C	D	C	A	D
Cyclohexane	C	A	—	A	A	D
Ethanol	C	—	B	—	A	B
Ether	C	A	—	—	A	B
Ethyl Acetate	D	A	C	C	A	A
Freon 11, 12, 22	C	—	—	—	A	D
Glycerine & Glycol	A	A	B	A	A	A
Heptane	B	A	D	B	A	—
Hexane	B	A	—	B	A	—
Isopropyl Alcohol	C	A	—	—	A	—
Methanol	C	—	B	—	A	A
Methyl Acetate	D	—	—	C	A	—
Methyl Ethyl Ketone	C	A	—	C	A	—
Methyl Glycol	D	—	—	—	A	—
Methylene Chloride	D	E	D	C	A	—
N-Methyl Pyrrolidone	E	—	—	—	A	—
Perchloroethylene	D	—	—	C	A	—
Petroleum	B	A	—	—	A	—
Pyridine	E	A	—	—	A	B
Tetrachloroethylene	D	—	—	C	A	—
Tetrahydrofuran	D	B	D	C	A	B
Toluene	D	A	D	C	A	D
Trichloroethylene	D	C	D	C	A	D
Turpentine (Pine Oil)	B	A	C	B	A	B
Xylene	D	A	—	C	A	D

Teflon® is a registered trademark of the Dupont Corporation.  
Skydrol® is a registered trademark of Monsanto Company.

**WARNING:**  
This table is a general guide based on our testing. Although every effort was made to ensure its accuracy, we cannot guarantee your results due to variables in temperature and application. Therefore, no warranty is expressed or implied, and the user assumes all risk and liability.

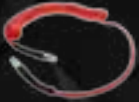
A ..... Excellent (0-3%)  
B ..... Good (4-15%)  
C ..... Fair (16-30%)  
D ..... Poor (>30%)  
E ..... Dissolves



**Straight Tubing**



**Straight Hose**



**Spiral Hose**



**Pneumatic Quick Disconnects**



**TechniFit™ Push-to-Connect Fittings**



**Fluidfit Push-to-Connect Fittings**



**Tubing and Hose Cutters**



**Clamps and Tools**



**Hose Reels**



**Brass Fittings**