

Need a fitting, need a hundred? Brass? Stainless Steel? Lesman stocks thousands of fittings for tubing, hose, and pipe, in just about any size you need. We stock enough thermoplastic tubing to reach from Milwaukee to LaCrosse, WI, and back again! Flaring tools, tube benders, drain cocks... we've got it all!

Throughout this section, we've included the Dayco Imperial to Parker crossover charts, so you can be sure you're getting the fittings you need.



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*Due to manufacturer agreements, not all products are available in all geographic areas and markets. Prices in this catalog are current at the publication date, and are subject to change without notice.*

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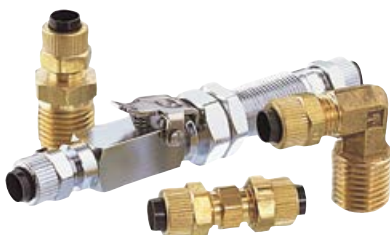


# Poly-Tite® Fittings

**Materials: Bodies and Nuts:** CA 377, CA 360, CA 345; **Plastic Sleeves:** Acetal Copolymer.

Use with Parker Parflex® thermoplastic tubing for pneumatic instrumentation circuits, lubricant and coolant lines, and processes with other gases and liquids. For use with soft metal tubing and nylon thermoplastic tubing, use brass sleeve and nut assembly 61PB.

**Working Pressure and Temperature Ranges:** Up to 150 PSI from 0° to 150°F with thermoplastic tubing. Up to 300 PSI from 0° to 175°F with soft metal tubing.

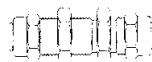


### 62P Union



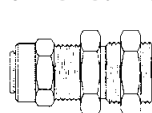
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62P-4	\$4.58	\$3.20
5/16"	62P-5	6.00	4.19
3/8"	62P-6	5.89	4.11
1/2"	62P-8	9.40	6.56

### 62PBH Bulkhead Union



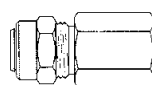
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62PBH-4	10.00	6.98
3/8"	62PBH-6	11.57	8.07
1/2"	62PBH-8	25.61	17.87

### 62PTBH Bulkhead Union (Straight Through)



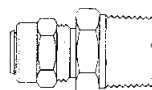
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62PTBH-4	7.68	5.36
5/16"	62PTBH-5	10.94	7.64
3/8"	62PTBH-6	13.44	9.38

### 66P Female Connector



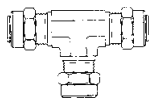
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	66P-4-2	2.80	1.95
1/4"	1/4"	66P-4-4	4.32	3.02
5/16"	1/8"	66P-5-2	5.18	3.62
3/8"	1/4"	66P-6-4	4.52	3.15
1/2"	3/8"	66P-8-6	4.52	3.15

### 68P Male Connector



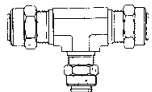
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/16"	68P-4-1	6.26	4.37
1/4"	10x32	68P-4-10X32	8.39	5.85
1/4"	1/8"	68P-4-2	2.60	1.82
1/4"	1/4"	68P-4-4	3.20	2.24
1/4"	3/8"	68P-4-6	6.08	4.25
5/16"	1/8"	68P-5-2	3.59	2.51
5/16"	1/4"	68P-5-4	5.20	3.63
3/8"	1/8"	68P-6-2	3.55	2.48
3/8"	1/4"	68P-6-4	3.66	2.55
3/8"	3/8"	68P-6-6	4.45	3.11
1/2"	3/8"	68P-8-6	5.57	3.89

### 164P Union Tee



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	164P-4	8.11	5.66
5/16"	164P-5	13.37	9.33
3/8"	164P-6	8.77	6.12
1/2"	164P-8	15.03	10.49

### 164P Union Tee (Combination Size)



Tube Size	Tube Size	Tube Size	Catalog Number	Quantity	
				1-99	100-499
3/8"	3/8"	1/4"	164P-6-4	37.09	25.88

### 59P Plastic Cap



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	59P-4	\$0.83	\$0.58
3/8"	59P-6	0.98	0.68
1/2"	59P-8	1.75	1.22

### 60P Acetal Plastic Sleeve



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	60P-4	0.23	0.16
5/16"	60P-5	0.32	0.23
3/8"	60P-6	0.23	0.16
1/2"	60P-8	0.32	0.23

### 60PB Sleeve



Tube Size	Tube O.D.	Tube I.D.	Catalog Number	Quantity	
				1-99	100-499
1/4"	0.336"	0.255"	60PB-4	1.83	1.28
5/16"	0.400"	0.318"	60PB-5	3.76	2.63
3/8"	0.460"	0.382"	60PB-6	1.27	0.89

### 61P Nut and Plastic Sleeve Assembly



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	61P-4	1.14	0.80
5/16"	61P-5	1.12	0.78
3/8"	61P-6	1.29	0.90
1/2"	61P-8	2.24	1.56

### 61PB Nut and Brass Sleeve Assembly



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	61PB-4	1.66	1.16
5/16"	61PB-5	3.05	2.13
3/8"	61PB-6	1.87	1.31
1/2"	61PB-8	3.25	2.27

### 62P Union Reducer



Tube Size	Tube Size	Catalog Number	Quantity	
			1-99	100-499
1/4"	3/8"	62P-6-4	7.63	5.33

### 61PN Nut



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	61PN-4	1.33	0.93
5/16"	61PN-5	1.31	0.92
3/8"	61PN-6	1.44	1.01
1/2"	61PN-8	2.11	1.47

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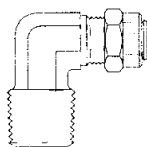
Wisconsin, and Upper Peninsula Michigan  
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Fax: 262-923-1797






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**TUBE  
FITTINGS**

**449** 



**169P/269P  
Male Elbow**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	 169P-4-2	\$2.92	\$2.04
1/4"	1/4"	 169P-4-4	3.63	2.54
1/4"	3/8"	 169P-4-6	9.87	6.89
5/16"	1/8"	169P-5-2	4.77	3.33
3/8"	1/8"	169P-6-2	4.84	3.38
3/8"	1/4"	169P-6-4	4.43	3.09
3/8"	3/8"	 169P-6-6	6.39	4.46
1/2"	3/8"	 169P-8-6	6.77	4.73


**170P  
Female Elbow**



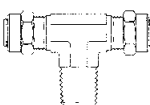
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	 170P-4-2	4.06	2.84
1/4"	1/4"	 170P-4-4	9.91	6.92
3/8"	1/4"	170P-6-4	10.86	7.58
1/2"	3/8"	170P-8-6	15.31	10.68




**171P  
Male Run Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	 171P-4-2	7.59	5.30
1/4"	1/4"	171P-4-4	8.94	6.24
5/16"	1/8"	171P-5-2	23.95	16.71
3/8"	1/4"	171P-6-4	10.66	7.44
1/2"	3/8"	171P-8-6	22.51	15.71

**172P Male  
Branch Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	 172P-4-2	6.49	4.53
1/4"	1/4"	 172P-4-4	9.72	6.78
5/16"	1/8"	172P-5-2	12.17	8.49
3/8"	1/4"	 172P-6-4	8.34	5.82
1/2"	3/8"	172P-8-6	18.94	13.22

**177P Female  
Branch Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	177P-4-2	12.75	8.90
1/4"	1/4"	177P-4-4	22.36	15.60
1/4"	3/8"	177P-4-6	27.31	19.05

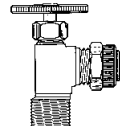
**Parker needle valves** have metal-to-metal seats with fine-thread screwdown. This enables positive sealing up to the capacity of the valve.

**NV311P Poly-Tite to Male Pipe Needle Valve**



Tube Size	Pipe Thrd.	Working Pressure	Temperature Range	Catalog Number	Price
1/4"	1/8"	150 PSI	0° to 150°F	NV311P-4-2	\$25.61
1/4"	1/4"	150 PSI	0° to 150°F	NV311P-4-4	33.73
3/8"	1/4"	150 PSI	0° to 150°F	NV311P-6-4	39.28

**NV312P Poly-Tite to Male Pipe Angle Needle Valve**



Tube Size	Pipe Thrd.	Working Pressure	Temperature Range	Catalog Number	Price
1/4"	1/8"	150 PSI	0° to 150°F	NV312P-4-2	\$28.55
1/4"	1/4"	150 PSI	0° to 150°F	NV312P-4-4	25.39
3/8"	1/4"	150 PSI	0° to 150°F	NV312P-6-4	35.35

Looking for a different size or configuration? Call us!

**Poly-Tite Quick-Connect Couplers**



**391P Pipe Coupler Body**



Insert Diam.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	391P-4-2	\$19.05	\$13.29
1/4"	1/4"	391P-4-4	30.08	20.99
3/8"	1/4"	391P-6-4	33.33	23.25
1/4"	1/8"	391PSS-4-2	101.35	70.71
1/4"	1/4"	391PSS-4-4	148.50	103.61
3/8"	1/4"	391PSS-6-4	157.47	109.86


**392P Bulkhead Coupler Body**



Tube Size	Insert Diam.	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/4"	 392P-4-4	34.83	24.30
3/8"	3/8"	 392P-6-6	44.96	31.37
1/4"	1/4"	392PSS-4-4	262.26	182.97
3/8"	3/8"	392PSS-6-6	354.77	247.52

**393P Through Type Insert**



Tube Size	Insert Diam.	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/4"	 393P-4-4	17.71	12.36
3/8"	3/8"	393P-6-6	23.93	16.70
1/4"	1/4"	393PSS-4-4	129.84	90.59
3/8"	3/8"	393PSS-6-6	183.55	128.06

**393PD Shutoff Type Insert**



Tube Size	Insert Diam.	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/4"	393PD-4-4	32.57	22.73
3/8"	3/8"	393PD-6-6	39.71	27.71
1/4"	1/4"	393PDSS-4-4	258.28	180.20
3/8"	3/8"	393PDSS-6-6	364.00	253.95

**394P Single End Shutoff Bulkhead Coupler**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	394P-4-4	56.76	39.60
3/8"	394P-6-6	69.98	48.83
1/4"	394PSS-4-4	363.67	253.73
3/8"	394PSS-6-6	502.07	350.28

**394PD Double End Shutoff Bulkhead Coupler**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	394PD-4-4	64.50	45.00
3/8"	394PD-6-6	79.31	55.34
1/4"	394PDSS-4-4	479.71	334.68
3/8"	394PDSS-6-6	710.75	495.87

**398P Single End Shutoff Pipe Connector**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	398P-4-2	37.71	26.31
1/4"	1/4"	398P-4-4	51.54	35.96
3/8"	1/4"	398P-6-4	61.38	42.83
1/4"	1/8"	398PSS-4-2	262.34	183.03
1/4"	1/4"	398PSS-4-4	259.83	181.28
3/8"	1/4"	398PSS-6-4	311.86	217.58

**398PD Double End Shutoff Pipe Connector Quick Coupler**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	398PD-4-2	49.64	34.64
1/4"	1/4"	398PD-4-4	68.39	47.72
3/8"	1/4"	398PD-6-4	69.96	48.81
1/4"	1/8"	398PDSS-4-2	348.02	242.81
1/4"	1/4"	398PDSS-4-4	398.55	278.06
3/8"	1/4"	398PDSS-6-4	502.99	350.93

Thermometers

Parker Tubing and Tube Fittings

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Application Datasheets

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# Prestolok Plus Push-to-Connect Brass Fittings

**Metal Bodies:** Nickel-plated brass; 0° to 200°F at up to 300 PSI depending on tubing used

**Composite Bodies:** Glass-reinforced nylon; 5° to 155°F at up to 260 PSI depending on tubing used

**O-Ring:** Nitrile

**Release Button:** Polyacetal

**Grab Ring:** Stainless steel

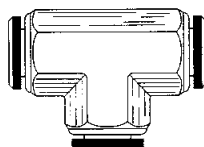
**Sealant:** White acrylic

A compact one-piece push-to-connect fitting. Designed for low pressure circuits where assembly, disassembly, and reassembly is important. Stainless steel grab ring grips the tubing to provide retention. Swivels are featured on all male pipe threaded shapes for installation in tight places and for precision positioning. They are not, however, to be used for live swivel applications.

Use with Parker E polyethylene, PP polypropylene, N nylon, NR rigid nylon, U and HU polyurethane tubing.

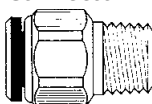


## 164PLP Union Tee



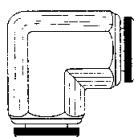
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	164PLP-2	\$8.45	\$5.90
3/16"	164PLP-3	10.84	7.56
5/32"	164PLP-5/32	8.06	5.63
1/4"	164PLP-4	6.17	4.31
5/16"	164PLP-5	10.32	7.20
3/8"	164PLP-6	9.29	6.48
1/2"	164PLP-8	12.53	8.75

## W68PLP Male Connector



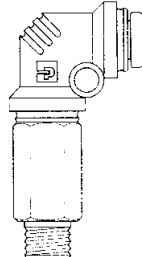
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/16"	W68PLP-2-1	4.11	2.87
1/8"	1/8"	W68PLP-2-2	3.33	2.33
1/8"	1/4"	W68PLP-2-4	5.01	3.50
3/16"	1/8"	W68PLP-3-2	4.06	2.84
3/16"	1/4"	W68PLP-3-4	5.40	3.77
5/32"	1/8"	W68PLP-5/32-2	3.33	2.33
5/32"	1/4"	W68PLP-5/32-4	2.93	4.19
1/4"	1/16"	W68PLP-4-1	6.08	4.25
1/4"	1/8"	W68PLP-4-2	3.31	2.31
1/4"	1/4"	W68PLP-4-4	3.85	2.69
1/4"	3/8"	W68PLP-4-6	4.26	2.97
5/16"	1/8"	W68PLP-5-2	4.47	3.12
5/16"	1/4"	W68PLP-5-4	4.88	3.41
5/16"	3/8"	W68PLP-5-6	5.29	3.69
3/8"	1/8"	W68PLP-6-2	6.32	4.41
3/8"	1/4"	W68PL-6-4	6.41	4.47
3/8"	3/8"	W68PL-6-6	6.94	4.85
3/8"	1/2"	W68PL-6-8	8.71	6.08
1/2"	1/4"	W68PL-8-4	7.74	5.40
1/2"	3/8"	W68PL-8-6	9.27	6.47
1/2"	1/2"	W68PL-8-8	11.91	8.31

## 165PLP Union Elbow



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	165PLP-2	6.02	4.20
5/32"	165PLP-5/32	6.34	4.43
1/4"	165PLP-4	4.84	3.38
5/16"	165PLP-5	8.43	5.88
3/8"	165PLP-6	8.28	5.78
1/2"	165PLP-8	11.67	8.15

## W369PLPX Extended 90° Swivel Male Elbow (Composite Body)



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	W369PLPX-2-2	6.43	4.49
1/8"	1/4"	W369PLPX-2-4	6.02	4.20
1/4"	1/8"	W369PLPX-4-2	5.60	3.91
1/4"	1/4"	W369PLPX-4-4	5.89	4.11
1/4"	3/8"	W369PLPX-4-6	9.52	6.65
3/8"	1/4"	W369PLPX-6-4	8.35	5.83
3/8"	3/8"	W369PLPX-6-6	10.07	7.03

### 66PLPBH Female Bulkhead

Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
5/32"	1/4"	66PLPBH-5/32-4	\$9.42	\$6.57
1/4"	1/4"	66PLPBH-4-4	7.96	5.55
3/8"	3/8"	66PLPBH-6-6	10.41	7.26
1/2"	3/8"	66PLPBH-8-6	22.36	15.60

### 62PLP Union

Tube Size	Fitting OD	Catalog Number	Quantity	
			1-99	100-499
1/8"	0.406"	62PLP-2	5.20	3.63
3/16"	0.437"	62PLP-3	6.56	4.58
5/32"	0.406"	62PLP-5/32	13.57	9.47
1/4"	0.500"	62PLP-4	4.67	3.26
5/16"	0.562"	62PLP-5	6.62	4.62
3/8"	0.625"	62PLP-6	6.92	4.83
1/2"	0.750"	62PLP-8	8.90	6.21

### 62PLPBH Bulkhead Union

Tube Size	Hole Diam	Catalog Number	Quantity	
			1-99	100-499
1/8"	7/16"	62PLPBH-2	6.97	4.86
5/32"	7/16"	62PLPBH-5/32	7.98	5.57
1/4"	9/16"	62PLPBH-4	7.55	5.27
5/16"	5/8"	62PLPBH-5	12.47	8.70
3/8"	3/4"	62PLPBH-6	11.03	7.70
1/2"	7/8"	62PLPBH-8	15.65	10.92

### 66PLP Female Connector

Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	66PLP-2-2	6.88	4.80
3/16"	1/8"	66PLP-3-2	7.46	5.21
5/32"	1/8"	66PLP-5/32-2	7.59	5.30
5/32"	1/4"	66PLP-5/32-4	8.88	6.20
1/4"	1/8"	66PLP-4-2	6.84	4.77
1/4"	1/4"	66PLP-4-4	7.53	5.25
5/16"	1/8"	66PLP-5-2	8.66	6.05
5/16"	1/4"	66PLP-5-4	10.45	7.29
3/8"	1/4"	66PLP-6-4	11.83	8.25
3/8"	3/8"	66PLP-6-6	13.14	9.17

### Materials Used for Parker Brass Fittings:

Straight Bodies: Barstock CA360 or CA345  
 Shape Bodies: Extruded Barstock or Forged CA377  
 Nuts: Barstock CA360 or Forged CA377



Thermometers

Parker Tubing and Tube Fittings

Value-Added Services

Application Datasheets

Index and Reference

Illinois, Indiana, Missouri, and Iowa  
Phone: 800-953-7626 • 630-595-8400  
Fax: 630-595-2386

**Lesman Instrument Company**  
www.lesman.com  
sales@lesman.com

Wisconsin, and Upper Peninsula Michigan  
Phone: 800-837-1700 • 262-923-1790  
Fax: 262-923-1797

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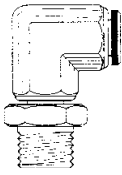
**BRASS  
FITTINGS**

**451** 

## Matching Parker Fittings with Compatible Tubing

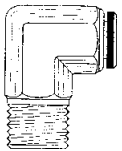
	Copper Call	Aluminum Call	Steel Call	Polyethylene (E) Page 454	Nylon (N) Page 455	Polypropylene (PP) Page 456	Polyurethane (U) Page 455	Vinyl (PV) Page 456	GPH Hose Call
<b>Fittings for Thermoplastic Tubing</b>									
Prestolok Plus	Pages 450–451			✓	✓		✓		
<b>Fittings for Metal or Thermoplastic Tubing</b> <span style="float: right;">* Tube support recommended. See page 453.</span>									
Compression	Pages 460–461	✓	✓		✓*	✓*	✓*	✓*	
Compress-Align	Pages 458–459	✓	✓		✓*	✓*	✓*	✓*	
Hi-Duty	Page 464	✓		✓	✓*	✓*	✓*	✓*	
Poly-Tite	Pages 448–449	✓			✓*	✓*	✓*	✓*	
<b>Fittings for Metal Tubing</b>									
SAE 45° Flare	Pages 462–463	✓	✓	✓					
Vibra-Lok	Page 463	✓	✓	✓					
<b>Fittings for Hose</b>									
Hose Barb	Page 452								✓
Barbed Couplings	Page 452								✓

### W169PLP Swivel Male Elbow



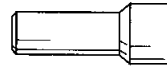
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	W169PLP-2-2	\$5.05	\$3.53
1/8"	10x32	169PLP-2-0	9.76	6.81
1/8"	1/4"	W169PLP-2-4	11.76	8.21
3/16"	1/8"	W169PLP-3-2	5.98	4.17
5/32"	1/8"	W169PLP-5/32-2	5.31	3.71
5/32"	1/4"	W169PLP-5/32-4	4.26	6.11
5/32"	10x32	169PLP-5/32-0	7.37	7.37
1/4"	1/8"	W169PLP-4-2	4.34	3.03
1/4"	1/4"	W169PLP-4-4	5.33	3.72
1/4"	3/8"	W169PLP-4-6	8.60	6.00
1/4"	10x32	169PLP-4-0	7.93	5.54
5/16"	1/8"	W169PLP-5-2	7.18	5.01
5/16"	1/4"	W169PLP-5-4	7.44	5.19
3/8"	1/8"	W169PLP-6-2	7.25	5.06
3/8"	1/4"	W169PLP-6-4	7.48	5.22
3/8"	3/8"	W169PLP-6-6	8.21	5.73
3/8"	1/2"	W169PLP-6-8	14.43	10.07
1/2"	1/4"	W169PLP-8-4	9.61	6.71
1/2"	3/8"	W169PLP-8-6	9.98	6.96
1/2"	1/2"	W169PLP-8-8	13.27	9.26

### W169PLPNS 90° Male Elbow



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	W169PLPNS-2-2	4.24	2.96
5/32"	1/8"	W169PLPNS-5/32-2	4.02	2.81
5/32"	1/4"	W169PLPNS-5/32-4	6.36	4.44
1/4"	1/8"	W169PLPNS-4-2	4.73	3.30
1/4"	1/4"	W169PLPNS-4-4	4.97	3.47
5/16"	1/8"	W169PLPNS-5-2	6.08	4.25
5/16"	1/4"	W169PLPNS-5-4	10.88	7.59
3/8"	1/4"	W169PLPNS-6-4	6.36	4.44
3/8"	3/8"	W169PLPNS-6-6	7.53	5.25
3/8"	1/2"	W169PLPNS-6-8	11.14	7.77
1/2"	3/8"	W169PLPNS-8-6	7.70	5.37
1/2"	1/2"	W169PLPNS-8-8	12.04	8.40

### 639PLP Plug



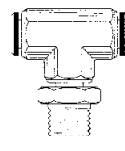
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	639PLP-2	\$1.44	\$1.01
1/4"	639PLP-4	1.18	0.83
3/8"	639PLP-6	1.57	1.10
1/2"	639PLP-8	1.77	1.24

### W171PLP Swivel Male Run Tee



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	W171PLP-2-2	9.78	6.83
5/32"	1/8"	W171PLP-5/32-2	9.72	6.78
1/4"	1/8"	W171PLP-4-2	7.27	5.07
1/4"	1/4"	W171PLP-4-4	7.05	4.92
5/16"	1/8"	W171PLP-5-2	10.81	7.55
5/16"	1/4"	W171PLP-5-4	14.08	9.83
3/8"	1/4"	W171PLP-6-4	15.74	10.98
3/8"	3/8"	W171PLP-6-6	14.10	9.84
1/2"	3/8"	W171PLP-8-6	19.44	13.56
1/2"	1/2"	W171PLP-8-8	19.24	13.43

### W172PLP Swivel Male Branch Tee

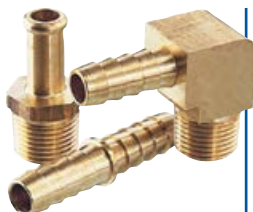


Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	W172PLP-2-2	7.55	5.27
3/16"	1/8"	W172PLP-3-2	19.26	13.44
5/32"	1/8"	W172PLP-5/32-2	8.90	6.21
1/4"	1/8"	W172PLP-4-2	6.54	4.56
1/4"	1/4"	W172PLP-4-4	6.62	4.62
5/16"	1/8"	W172PLP-5-2	11.83	8.25
5/16"	1/4"	W172PLP-5-4	12.17	8.49
3/8"	1/4"	W172PLP-6-4	10.64	7.43
3/8"	3/8"	W172PLP-6-6	12.58	8.78
1/2"	3/8"	W172PLP-8-6	13.63	9.51
1/2"	1/2"	W172PLP-8-8	17.59	12.27

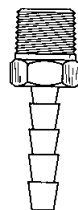
## Hose Barb Brass Fittings for Rubber-Covered Hose

All Parker hose barb fitting pipe threads are made to Dryseal standards. Fittings are machined from CA 360 and CA 345 brass. Temperature and working pressure ranges are from -40° to 160°F at 150 PSI maximum.

**All hose barb fittings should be secured with hose clamps.**



### 125HBL Long Hose Barb to Male Pipe



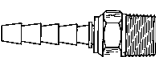
Hose ID	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	125HBL-4-2	\$1.44	\$1.01
1/4"	1/4"	125HBL-4-4	1.66	1.16
1/4"	3/8"	125HBL-4-6	2.19	1.53
3/8"	1/8"	125HBL-6-2	1.91	1.34
3/8"	1/4"	125HBL-6-4	1.81	1.26
3/8"	3/8"	125HBL-6-6	2.43	1.70
3/8"	1/2"	125HBL-6-8	3.31	2.31
1/2"	1/4"	125HBL-8-4	2.86	2.00
1/2"	3/8"	125HBL-8-6	2.99	2.09
1/2"	1/2"	125HBL-8-8	4.52	3.15
1/2"	3/4"	125HBL-8-12	6.86	4.79
5/8"	3/8"	125HBL-10-6	4.32	3.02
5/8"	1/2"	125HBL-10-8	4.73	3.30
5/8"	3/4"	125HBL-10-12	5.44	3.80
3/4"	1/2"	125HBL-12-8	5.07	3.54
3/4"	3/4"	125HBL-12-12	6.39	4.46

### 122HBL Hose Mender



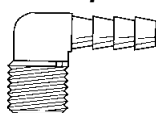
Hose ID	Catalog Number	Quantity	
		1-99	100-499
3/16"	122HB-3	\$2.95	\$2.06
1/4"	122HBL-4	1.61	1.13
5/16"	122HBL-5	2.24	1.56
3/8"	122HBL-6	2.58	1.80
1/2"	122HBL-8	3.16	2.21
3/4"	122HBL-12	7.40	5.16

### 125HBLSV Swivel Male Hose Barb



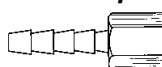
Hose ID	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/4"	125HBLSV-4-4	6.06	4.23
3/8"	1/4"	125HBLSV-6-4	6.56	4.58
3/8"	3/8"	125HBLSV-6-6	7.68	5.36
1/2"	1/2"	125HBLSV-8-8	8.90	6.21

### 129HB 90° Elbow to Male Pipe



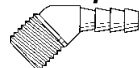
Hose ID	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/8"	129HB-3-2	6.41	4.47
1/4"	1/8"	129HB-4-2	8.11	5.66
1/4"	1/4"	129HB-4-4	7.80	5.45
1/4"	3/8"	129HB-4-6	8.06	5.63
5/16"	1/4"	129HB-5-2	8.47	5.91
5/16"	1/4"	129HB-5-4	8.58	5.99
5/16"	3/8"	129HB-5-6	9.93	6.93
3/8"	1/8"	129HB-6-2	13.27	9.26
3/8"	1/4"	129HB-6-4	7.16	5.00
3/8"	3/8"	129HB-6-6	7.72	5.39
3/8"	1/2"	129HB-6-8	10.30	7.19
1/2"	1/4"	129HB-8-4	7.35	5.13
1/2"	3/8"	129HB-8-6	8.08	5.64
1/2"	1/2"	129HB-8-8	9.46	6.60
3/4"	3/4"	129HB-12-12	15.42	10.76

### 126HBL Long Hose Barb to Female Pipe



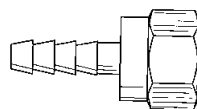
Hose ID	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	126HBL-4-2	2.04	1.43
1/4"	1/4"	126HBL-4-4	2.52	1.76
5/16"	1/4"	126HBL-5-4	4.00	2.79
3/8"	1/8"	126HBL-6-2	2.34	1.64
3/8"	3/8"	126HBL-6-4	2.52	1.76
3/8"	3/8"	126HBL-6-6	3.38	2.36
1/2"	3/8"	126HBL-8-6	5.14	3.59
1/2"	1/2"	126HBL-8-8	4.67	3.26

### 139HB 45° Elbow to Male Pipe



Hose ID	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	139HB-4-2	10.34	7.22
1/4"	1/8"	139HB-4-4	12.17	8.49
3/8"	1/4"	139HB-6-4	12.32	8.60

### 146HBLFSV Hose Barb to Swivel 45° Female Flare



Hose ID	Catalog Number	Quantity	
		1-99	100-499
1/4"	146HBLFSV-4-4	2.47	1.73
1/4"	146HBLFSV-4-6	4.75	3.32
3/8"	146HBLFSV-6-6	4.36	3.05

## Barbed Brass Push-On Couplings



Designed specifically for single-braided rubber hose. Works well with any push-on type hose. When used with Rayon-braided rubber-covered hose, working pressures should not exceed 150 PSI. With other single-braided reinforced hose, working pressure can be as high as 250 PSI. Made of brass with plastic hose protector cap.

### Hose Mender



Hose ID	Catalog Number	Quantity	
		1-99	100-499
1/4"	38282-4-4B	\$4.02	\$2.81

### Male Pipe Thread Connector



Hose ID	Male NPTF	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	30182-2-4B	\$2.49	\$1.74
1/4"	1/4"	30182-4-4B	2.88	2.01
3/8"	3/8"	30182-6-6B	4.77	3.33
1/2"	3/8"	30182-8-6B	6.77	4.72
1/2"	1/2"	30182-8-8B	7.77	5.42



### Female 45° & 37° Flare Swivel

Hose I.D.	Tube O.D.	Thread Size	Catalog Number	Quantity	
				1-99	100-499
1/4"	1/4"	7/16"-20	30682-4-4B	\$2.81	\$1.96
3/8"	3/8"	5/8"-18	30882-6-6B	3.82	2.66
1/2"	1/2"	3/4"-16	30682-8-8B	5.89	4.11

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Fax: 262-923-1797

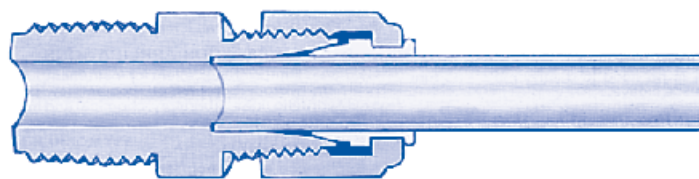
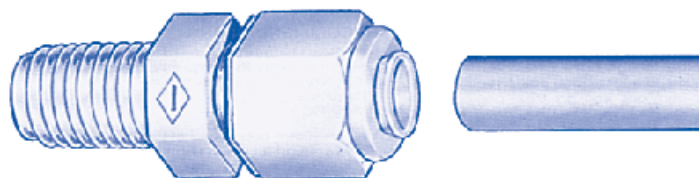
V.08.2017

**FLARELESS  
FITTINGS**

**453**



## Nylo-Seal Flareless Tube Fittings



Nylo-Seal tube fittings have excellent resistance to acids, alkalis, dilute mineral acids, most organic acids, petroleum oils and greases, and photographic solutions.

### Temperatures and Pressures

The maximum recommended operating temperature for Nylo-Seal fittings is 200° F for continuous service, or 250° F intermittent operation. Maximum service temperature is limited to the factor recommended for the tubing when this is less than the temperature specified for the fitting. Maximum pressure is rated at 250 PSI.

### Materials

Bodies and Nuts: Molded Nylon    Sleeves: Acetal copolymer

### 259-N Nylon Insert



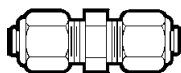
Tube O.D.	Catalog Number	Quantity	
		1-99	100-499
1/4"	259N 4	\$0.95	\$0.66
3/8"	259N 6	1.09	0.76
1/2"	259N 8	1.13	0.79

### 261-N Nut and Sleeve Assembly



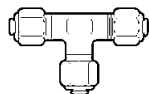
Tube O.D.	Catalog Number	Quantity	
		1-99	100-499
1/4"	261N 4	0.91	0.63
3/8"	261N 6	1.33	0.93
1/2"	261N 8	1.62	1.13

### 262-N Union



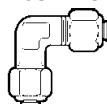
Tube O.D.	Catalog Number	Quantity	
		1-99	100-499
1/4"	262N 4	2.94	2.05
3/8"	262N 6	3.81	2.66
1/2"	262N 8	5.08	3.55

### 264-N Union Tee



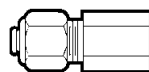
Tube O.D.	Catalog Number	Quantity	
		1-99	100-499
1/4"	264N 4	4.67	3.27
3/8"	264N 6	7.01	4.90
1/2"	264N 8	8.84	6.18

### 265-N Union Elbow



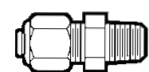
Tube O.D.	Catalog Number	Quantity	
		1-99	100-499
1/4"	265N 4	3.30	2.31
3/8"	265N 6	5.53	3.86
1/2"	265N 8	7.80	5.45

### 266-N Female Connector



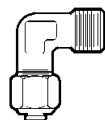
Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	266N 4x2	\$7.75	\$5.41
1/4"	1/4"	266N 4x4	6.60	4.61
3/8"	1/4"	266N 6x4	8.01	5.60
3/8"	3/8"	266N 6x6	7.75	5.41
1/2"	3/8"	266N 8x6	7.53	5.27

### 268-N Male Connector



Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	268N 4x2	2.68	1.88
1/4"	1/4"	268N 4x4	2.50	1.75
5/16"	1/4"	268N 5x4	3.03	2.12
3/8"	1/4"	268N 6x4	3.04	2.12
3/8"	3/8"	268N 6x6	2.83	1.97
1/2"	3/8"	268N 8x6	7.03	4.91
1/2"	1/2"	268N 8x8	7.55	5.28

### 269-N Male Elbow



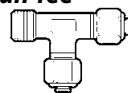
Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	269N 4x2	2.62	1.83
1/4"	1/4"	269N 4x4	2.69	1.88
3/8"	1/4"	269N 6x4	3.72	2.60
3/8"	3/8"	269N 6x6	3.75	2.62
1/2"	3/8"	269N 8x6	4.71	3.29
1/2"	1/2"	269N 8x8	5.22	3.65

### 270-N Female Elbow



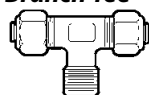
Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	270N 4x2	7.71	5.39
1/4"	1/4"	270N 4x4	7.07	4.94
3/8"	1/4"	270N 6x4	7.75	5.42

### 271-N Male Run Tee



Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	271N 4x2	3.74	2.61
1/4"	1/4"	271N 4x4	4.89	3.41
3/8"	3/8"	271N 6x6	6.59	4.61

### 272-N Male Branch Tee



Tube O.D.	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	272N 4x2	3.75	2.62
1/4"	1/4"	272N 4x4	4.89	3.41
3/8"	1/4"	272N 6x4	6.39	4.47
3/8"	3/8"	272N 6x6	6.59	4.61



### Poly-Tube Racks

Up to 10 tubes can be held in a compact, orderly manner. Mounting screw holes are molded into each end of this rack, and also under each clip. For fewer than ten tubes, rack is cut off with a knife two positions beyond the last clip desired and mounting screw hole is exposed in a convenient position. Black polyethylene.

### Model Selection Guide

Description	Catalog Number	Price Each
For 1/4" tubing. Holds up to 10 tubes.	14P	\$4.09
For 3/8" tubing. Holds up to 10 tubes.	16P	5.33
For 1/2" tubing. Holds up to 6 tubes.	26P	5.76

**Need a fitting size or style not shown here?  
Call Lesman Inside Sales**



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PLASTIC TUBING

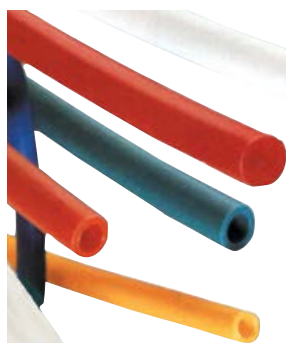
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# Polyethylene Tubing



- Extruded from high molecular weight resin for increased stability, uniformity and long-term strength
- Chemically resistant and flexible
- Resistant to environmental stress cracking. Greatly exceeds stress of ordinary polyethylene tubing as measured by ASTM D-1693 (10% IGEPAL)
- Recommended operating temperature range is -80° to 150°F (-62°C to 66°C)
- Black (EB) tubing contains an ultraviolet inhibitor, recommended for use in sunlight areas and in close proximity to high ultraviolet light sources.
- All tubing conforms to ASTM D-1248, Type I, Class A, Category 4, Grade E5
- Natural and colored tubing listed below meet FDA, NSF-51 and NSF-61 requirements for food applications.

Code	Color
None	Black
None	Natural
B	Blue
G	Green
GRA	Gray
O	Orange
P	Purple
R	Red
WHT	White
Y	Yellow

Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Min Burst Pressure	Replace *** in Parker Catalog Number with Color Code	Coil Length	Dayco Catalog	Parker Number	Price/Foot
1/4"	0.170"	0.040"	120 PSI	480 PSI	Natural	100 Ft		E-43-0100	\$0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	B, G, R	100 Ft		E-43-***-0100	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	GRA, WHT, P	100 Ft		E-43-***-0100	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	Y	100 Ft		E-43-Y-0100	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	O	100 Ft		E-43-O-0100	0.36
1/4"	0.170"	0.040"	120 PSI	480 PSI	Natural	500 Ft	44PE...	E-43-0500	0.22
1/4"	0.170"	0.040"	120 PSI	480 PSI	B, G, P, R, Y	500 Ft		E-43-***-0500	0.22
1/4"	0.170"	0.040"	120 PSI	480 PSI	GRA	500 Ft		E-43-GRA-0500	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	WHT	500 Ft		E-43-WHT-0500	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	O	500 Ft		E-43-O-0500	0.33
1/4"	0.170"	0.040"	120 PSI	480 PSI	Natural	1000 Ft		E-43-1000	0.21
5/16"	0.188"	0.062"	145 PSI	580 PSI	Black	100 Ft		E-53-0100	0.40
5/16"	0.188"	0.062"	145 PSI	580 PSI	Natural	500 Ft		E-53-0500	0.36
3/8"	0.250"	0.062"	125 PSI	500 PSI	Natural	100 Ft		E-64-0100	0.47
3/8"	0.250"	0.062"	125 PSI	500 PSI	B	100 Ft		E-64-B-0100	0.48
3/8"	0.250"	0.062"	125 PSI	500 PSI	G, GRA, R, WHT, Y	100 Ft	66PE...	E-64-***-0100	0.48
3/8"	0.250"	0.062"	125 PSI	500 PSI	Natural	500 Ft		E-64-0500	0.41
3/8"	0.250"	0.062"	125 PSI	500 PSI	B, R, Y	500 Ft		E-64-***-0500	0.46
3/8"	0.250"	0.062"	125 PSI	500 PSI	G, GRA, WHT	500 Ft		E-64-***-0500	0.46
3/8"	0.250"	0.062"	125 PSI	500 PSI	O	500 Ft		E-64-O-0500	0.60
3/8"	0.250"	0.062"	125 PSI	500 PSI	P	500 Ft		E-64-P-0500	0.81
1/2"	0.375"	0.062"	90 PSI	360 PSI	Natural	100 Ft		E-86-0100	0.77
1/2"	0.375"	0.062"	90 PSI	360 PSI	GRA, WHT	100 Ft	88PE...	E-86-***-0100	0.81
1/2"	0.375"	0.062"	90 PSI	360 PSI	Natural	500 Ft		E-86-0500	0.65
1/2"	0.375"	0.062"	90 PSI	360 PSI	GRA, WHT	500 Ft		E-86-***-0500	0.70
5/8"	0.500"	0.062"	70 PSI	325 PSI	Natural	100 Ft		E-108-0100	1.10
<b>Ultraviolet Light-Resistant Polyethylene Tubing</b>									
1/4"	0.170"	0.040"	120 PSI	480 PSI	Black	100 Ft		E-43-0100	0.28
1/4"	0.170"	0.040"	120 PSI	480 PSI	Black	500 Ft		E-43-0500-NSF	0.25
1/4"	0.170"	0.040"	120 PSI	480 PSI	Black	500 Ft	44P..	E-43-0500	0.23
1/4"	0.170"	0.040"	120 PSI	480 PSI	Black	1000 Ft		E-43-1000	0.21
5/16"	0.188"	0.062"	145 PSI	580 PSI	Black	100 Ft		E-53-0100	0.40
5/16"	0.188"	0.062"	145 PSI	580 PSI	Black	500 Ft	55P..	E-53-0500	0.36
3/8"	0.250"	0.062"	125 PSI	500 PSI	Black	100 Ft		E-64-0100	0.47
3/8"	0.250"	0.062"	125 PSI	500 PSI	Black	500 Ft		E-64-0500-NSF	0.46
3/8"	0.250"	0.062"	125 PSI	500 PSI	Black	500 Ft	66P..	E-64-0500	0.41
1/2"	0.375"	0.062"	90 PSI	360 PSI	Black	100 Ft		E-86-0100	0.72
1/2"	0.375"	0.062"	90 PSI	360 PSI	Black	500 Ft		E-86-0500	0.66
5/8"	0.500"	0.062"	70 PSI	325 PSI	Black	100 Ft		E-108-0100	1.10
<b>Flame-Resistant Polyethylene Tubing</b>									
5/32"	0.096"	0.30"	225 PSI	900 PSI	Black	500 Ft		PEFR-2.5-0500	0.22
1/4"	0.170"	0.040"	160 PSI	650 PSI	Black	500 Ft	44PF..	PEFR-4-0500	0.28
1/4"	0.170"	0.040"	160 PSI	650 PSI	Black	1000 Ft		PEFR-4-1000	0.26
3/8"	0.250"	0.062"	195 PSI	780 PSI	Black	500 Ft	66PF..	PEFR-6-0500	0.48
1/2"	0.375"	0.062"	135 PSI	540 PSI	Black	250 Ft	88PF..	PEFR-8-0250	0.81

## Flame-Resistant Polyethylene Tubing

- For use where protection against intermittent flame and hot sparks is needed
- Meets the UL94 V-2 flame classification
- Meets the flame spread, fuel combination and smoke density requirements of the ASTM E84-81a tunnel test
- Recommended operating temperature range -85° to 150°F (-65° to 66°C)



Thermometers

Parker Tubing and Tube Fittings

Value-Added Services

Application Datasheets

Index and Reference



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V 08.2017

**PLASTIC  
TUBING**

**455 L**

## Polyurethane Tubing

**Order colored tubing by adding color code before length in catalog number.**



- Strong, kink- and abrasion-resistant
- Chemically resistant, high quality, precision made tubing used in a wide range of demanding and critical applications
- Parflex 90 durometer urethane exhibits the elongation and recovery characteristics of rubber and the chemical resistance associated with plastics
- Recommended operating temperature range for service at rated pressures with compatible fluids is -40° to 180°F (-40° to 82°C)

Code	Color	Code	Color	Code	Color	Code	Color
Natural	No Color Code	BLU	Blue	NPNK	Neon Pink	TBLU	Transparent Blue
BLK	Black	GRN	Green	NORG	Neon Orange	TGRN	Transparent Green
GRA	Gray	ORG	Orange			TORG	Transparent Orange
LGR	Light Gray	RED	Red			TRED	Transparent Red
WHT	White	YEL	Yellow			TYEL	Transparent Yellow

Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Min. Burst Pressure	Specify Color by Adding Color Code Before Length in Catalog Number	Coil Length	Catalog Number	Price/Foot
1/8"	1/16"	1/32"	125 PSI	375 PSI	Natural (No Color Code Needed)	250 Ft	U-21-0250	\$0.29
1/8"	1/16"	1/32"	125 PSI	375 PSI	Natural (No Color Code Needed)	500 Ft	U-21-0500	0.27
1/8"	1/16"	1/32"	125 PSI	375 PSI	Natural (No Color Code Needed)	1000 Ft	U-21-1000	0.25
1/4"	1/8"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	250 Ft	U-42-0250	0.56
1/4"	1/8"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	500 Ft	U-42-0500	0.55
1/4"	1/8"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	1000 Ft	U-42-1000	0.53
3/8"	1/4"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	100 Ft	U-64-0100	1.04
3/8"	1/4"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	250 Ft	U-64-0250	0.96
3/8"	1/4"	1/16"	125 PSI	375 PSI	Natural (No Color Code Needed)	500 Ft	U-64-0500	0.89
1/2"	21/64"	0.086"	125 PSI	375 PSI	Natural (No Color Code Needed)	250 Ft	U-85-0250	1.81

## Flexible Nylon Tubing

- Made from high-grade, abrasion resistant, chemically resistant, heat and light stabilized Nylon
- Resistance to stress cracking greatly exceeds that of ordinary nylon tubing
- Better flexibility, lighter weight and better resistance to flexural fatigue
- Exhibits extremely low level water absorption
- Recommended operating temperature range for service at rated pressures with compatible fluids, depending upon conditions, is -65° to 200°F (-54° to 93°C)

**Shown here in natural or black. Also available in blue, red, green, or yellow. Call for pricing.**

Code	Color
BLU	Blue
GRN	Green
RED	Red
YEL	Yellow



Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Min. Burst Pressure	Also Available in Blue, Red, Green, or Yellow. Call for Current Pricing.	Coil Length	Parker Catalog Number	Price/Foot
1/8"	0.064"	0.031"	500 PSI	2000 PSI	Black (No Code Needed)	100 Ft	NB-2-031-0100	\$0.55
1/8"	0.064"	0.031"	500 PSI	2000 PSI	Natural (No Code Needed)	100 Ft	NN-2-031-0100	0.55
1/8"	0.093"	0.016"	250 PSI	1000 PSI	Black (No Code Needed)	250 Ft	NB-2-016	0.36
1/8"	0.093"	0.016"	250 PSI	1000 PSI	Natural (No Code Needed)	250 Ft	L NN-2-016	0.36
1/4"	0.127"	0.062"	500 PSI	2000 PSI	Black (No Code Needed)	100 Ft	NB-4-062-0100	1.10
1/4"	0.127"	0.062"	500 PSI	2000 PSI	Natural (No Code Needed)	100 Ft	NN-4-062-0100	1.10
1/4"	0.170"	0.040"	310 PSI	1250 PSI	Black (No Code Needed)	100 Ft	NB-4-040-0100	0.81
1/4"	0.170"	0.040"	310 PSI	1250 PSI	Black (No Code Needed)	250 Ft	L NB-4-040	0.73
1/4"	0.170"	0.040"	310 PSI	1250 PSI	Natural (No Code Needed)	250 Ft	L NN-4-040	0.73
1/4"	0.180"	0.035"	250 PSI	1000 PSI	Black (No Code Needed)	100 Ft	NB-4-035-0100	0.81
1/4"	0.180"	0.035"	250 PSI	1000 PSI	Natural (No Code Needed)	100 Ft	NN-4-035-0100	0.81
1/4"	0.180"	0.035"	250 PSI	1000 PSI	Natural (No Code Needed)	250 Ft	L NN-4-035	0.73
5/16"	0.233"	0.040"	250 PSI	1000 PSI	Black (No Code Needed)	250 Ft	NB-5-040	1.07
5/16"	0.233"	0.040"	250 PSI	1000 PSI	Natural (No Code Needed)	250 Ft	NN-5-040	1.05
3/8"	0.190"	0.093"	500 PSI	2000 PSI	Black (No Code Needed)	250 Ft	NB-6-093	1.98
3/8"	0.190"	0.093"	500 PSI	2000 PSI	Natural (No Code Needed)	250 Ft	L NN-6-093	1.98
1/2"	0.253"	0.124"	500 PSI	2000 PSI	Black (No Code Needed)	250 Ft	NB-8-124	3.26
1/2"	0.253"	0.124"	500 PSI	2000 PSI	Natural (No Code Needed)	250 Ft	NN-8-124	3.26
1/2"	0.375"	0.062"	250 PSI	1000 PSI	Black (No Code Needed)	100 Ft	NB-8-062-0100	2.44
1/2"	0.375"	0.062"	250 PSI	1000 PSI	Natural (No Code Needed)	100 Ft	NN-8-062-0100	2.31

## UV-Resistant Polypropylene Tubing

- Acid and chemically resistant, flexible, dimensionally stable
- Resistance to hot water and hot corrosive acids is excellent. Polypropylene tubing will last many times longer than nylon tubing in hot water service
- Water absorption of less than 0.1%, good resistance to vegetable oils, excellent resistance to environmental stress cracking
- White PP series polypropylene meets FDA and NSF-51 requirements for food contact and potable water
- Recommended operating temperature range is 0° to 200°F (-18° to 93°C)



Service	Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Min Burst Pressure	Color	Coil Length	Catalog Number		Price/Foot
								Dayco	Parker	
Ultraviolet Light-Resistant	1/8"	0.080"	0.023"	350 PSI	1400 PSI	Black	1000 Ft	22PPBK	PPB-21-1000	\$0.16
	1/4"	0.170"	0.040"	300 PSI	1200 PSI	Black	500 Ft	44PPBK	PPB-43-0500	0.32
	3/8"	0.250"	0.062"	300 PSI	1200 PSI	Black	500 Ft	66PPBK	PPB-64-0500	0.66
	1/2"	0.375"	0.062"	225 PSI	900 PSI	Black	250 Ft	88PPBK	PPB-86-0250	1.12
	1/8"	0.080"	0.023"	350 PSI	1400 PSI	White	1000 Ft	22PYWH	PP-21-1000	0.16
FDA, NSF Listed Lab-Grade	3/16"	0.120"	0.034"	350 PSI	1400 PSI	White	500 Ft	33PYWH	PP-32-0500	0.29
	1/4"	0.170"	0.040"	300 PSI	1200 PSI	White	500 Ft	44PYWH	PP-43-0500	0.32
	3/8"	0.250"	0.062"	300 PSI	1200 PSI	White	500 Ft	66PPBK	PP-64-0500	0.66
	1/2"	0.375"	0.062"	225 PSI	900 PSI	White	250 Ft	88PYWH	PP-86-0250	1.12
	1/8"	0.080"	0.023"	350 PSI	1400 PSI	White	1000 Ft	22PYWH	PP-21-1000	0.16

## Parflex Clear Vinyl Lab-Grade FDA Compliant Tubing

- Made from virgin clear PVC (polyvinyl chloride) resin, specially formulated for exceptional purity, clarity, and flexibility
- Formula V-1 tubing fully meets all specifications called out by the United States Food and Drug Administration (FDA) for materials in contact with food and drugs for human consumption
- 70 durometer for easy handling and bending with no tube collapse
- Crystal clear for fully visible fluid flow and excellent appearance
- The recommended operating temperature range for service at rated pressures with compatible fluids is -40° to 150°F (-40° to 65°C)

Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Coil Length	Catalog Number	Price/Foot
1/8"	1/16"	1/32"	35 PSI	100 Ft	PV21-1	\$0.20
1/4"	1/8"	1/16"	65 PSI	100 Ft	PV42-1	0.37
1/4"	0.170"	0.040"	55 PSI	100 Ft	PV43-1	0.40
1/4"	3/16"	1/32"	22 PSI	100 Ft	PV403-1	0.40
5/16"	3/16"	1/16"	55 PSI	100 Ft	PV53-1	0.53
5/16"	1/4"	1/32"	20 PSI	100 Ft	PV54-1	0.42
3/8"	3/16"	3/32"	65 PSI	100 Ft	PV63-1	0.98
3/8"	1/4"	1/16"	55 PSI	100 Ft	PV64-1	0.61
1/2"	1/4"	1/8"	70 PSI	100 Ft	PV84-1	1.07
1/2"	5/16"	3/32"	60 PSI	100 Ft	PV85-1	1.33
1/2"	3/8"	1/16"	45 PSI	100 Ft	PV86-1	0.87

Tube OD	Tube ID	Avg Wall Thickness	Working Pressure	Coil Length	Catalog Number	Price/Foot
7/16"	3/16"	1/8"	75 PSI	100 Ft	PV73-1	\$1.13
7/16"	1/4"	3/32"	60 PSI	100 Ft	PV74-1	1.10
7/16"	5/16"	1/16"	50 PSI	100 Ft	PV75-1	0.74
9/16"	5/16"	1/8"	70 PSI	100 Ft	PV95-1	1.63
9/16"	3/8"	3/32"	50 PSI	100 Ft	PV96-1	1.51
9/16"	7/16"	1/16"	40 PSI	100 Ft	PV97-1	1.28
5/8"	3/8"	1/8"	60 PSI	100 Ft	PV106-1	1.83
5/8"	7/16"	3/32"	45 PSI	100 Ft	PV107-1	1.70
5/8"	1/2"	1/16"	30 PSI	100 Ft	PV108-1	1.33
11/16"	7/16"	1/8"	50 PSI	100 Ft	PV117-1	2.20
11/16"	1/2"	1/8"	50 PSI	100 Ft	PV118-1	1.91

### Snimp Plastic Tube and Hose Shear

**For 1/16" to 1/2" O.D. hose and tubing in Nylon, polypropylene, Hyton and other materials.**

Only 2 7/8" long, it's the most compact shear available! Spring-loaded for safety. Replaceable hardened steel blade produces clean, right-angle cuts.

**Snimp Tube Cutter**    307-FP    \$11.25  
**Replacement Steel Blade**    S8115601    4.43



**Looking for more tube cutting and flaring tools? See pages 467 and 468.**

**Lesman**  
Inventory Search Tools

**We Stock Deep!**  
Check our inventory online... [click here!](#)

**Need quick delivery?** Check our inventory of Parker fittings, tubing, and tube working tools online at [www.Lesman.com](http://www.Lesman.com). Just click on the Parker logo, then "We Stock Deep" and enter your part number.

You'll see average lead times, and find out whether your item is normally available from Lesman stock. If it is, we can ship it within 24 hours!

Place your order for in-stock items by 3pm central time, and it'll ship the same business day.

## More Parker Fittings Available Through Lesman



### Inverted Flared Brass Fittings

For use with water, air, inert and non-combustible gases compatible with brass and zinc chromate steel. Built to resist mechanical pull-out, this fitting can be assembled and disassembled repeatedly. UL listed for flammable liquid and gas. Meets functional requirements of SAE J512.

Temperature range from -65° to 250°F. Compatible with copper, brass, aluminum, welded steel hydraulic tubing that can be flared. Tube OD sizes from 1/8" to 3/4".

*See page 467 for metal tube flaring tools.*

### Fast & Tite™ Thermoplastic Fittings



For use with water, air, or fluids compatible with polypropylene and nylon. A compression-style fitting that installs in seconds, and provides a tight, leakproof seal without clamps or adjustments. A grab ring for retention and a Nitrile O-ring creates a positive seal and ensures good tube retention with only hand-tight assembly. Fast & Tite fittings meet FDA and SNF-51 requirements for food contact. Temperature range from 0° to 200°F. Compatible with thermoplastic tubing, glass, and soft metals in tube ODs from 1/4" to 5/8".



### PrestoWeld Brass Fittings

Push-to-connect nickel-plated brass fittings that are weld-platter resistant and silicone-free. Nitrile O-ring, PTB release button, and stainless steel grab ring. Pressure and temperature range: 0° to 200°F at up to 300 PSI, depending on tubing used. Compatible with Parker MicroWeld tubing in ODs from 1/4" to 1/2".

### Dubl-Barb® Brass Fittings

Compact one-piece push-on hose barbed CA345 and CA360 brass fittings is a quick, economical way to connect polyethylene tubing.

Pressure and temperature range: -65° to 90°F, up to 150 PSI, depending on fitting size. Compatible with Parker Parflex® (or equal grade) polyethylene tubing in tube ODs from 1/8" to 1/2".



### Par-Barb® Thermoplastic Fittings

For use with air, water, or fluids compatible with polyethylene and nylon. Par-Barb® fittings are injection molded from high strength, chemically inert thermoplastic materials. They meet FDS and NSF-51 specifications for food contact.

The four-barb design generates the maximum gripping and sealing power when combined with a hose clamp. Temperature range from -65° to 200°F, depending on body material. Compatible with vinyl, polyurethane, and rubber hoses, tube IDs from 1/8" to 3/4".



### Metru-Lok™ Brass Fittings

For use with water, inert and non-combustible gases that are compatible with brass. One-piece ready-to-use, bite-type brass fittings with captive ferrule. Temperature range from -65° to 250°F. Compatible with copper, aluminum, and thermoplastic tubing.

### TrueSeal™ Thermoplastic Fittings

For use with air, water soft drinks, beer, wine, and dyes. All plastic push-to-connect fitting made of FDA-compliant materials, NSF-51 listed for contact with food. Gray acetal fittings meet NSF-61 requirements for potable water. Temperature range from -20° to 275°F, depending on body material. Compatible with plastic and vinyl tubing.



**Still don't see what you need?  
Call 800-953-7626.**



# Compress-Align® Fittings

No flaring, soldering or other preparation of tubing needed. Pre-assembled fitting, with captive sleeve.

Heavy duty fitting aligns to seal even out-of-round tubing. More quickly assembled than either flare or standard tapered sleeve compression fittings.

Compress-Align bodies are interchangeable with standard compression fitting bodies. Manufactured from CA 360, CA 345 or CA 377 brass.

Use with copper, brass, aluminum, and thermoplastic tubing.

**Temperature Ranges:** From -65° to 250°F.

**Vibration:** Fair resistance to minimal vibration or tube movement.



## 62PCA Union (Poly-Tite to Compress-Align)



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62PCA-4	\$6.19	\$4.32
5/16"	62PCA-5	8.00	5.58
3/8"	62PCA-6	9.33	6.51

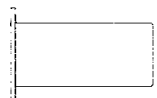
## 62PCABH Bulkhead Union (Poly-Tite to Compress-Align)



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62PCABH-4	10.26	7.16
3/8"	62PCABH-6	14.81	10.34

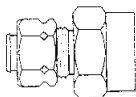
## 63PT

**Brass Insert (For Industrial Grade Plastic Tubing)**



Tube OD	Tube Wall	Catalog Number	Quantity	
			1-99	100-499
1/8"	0.016"	63PT-2-16	0.32	0.23
1/8"	0.023"	63PT-2-23	0.69	0.48
3/16"	0.025"	63PT-3-25	0.49	0.35
3/16"	0.040"	63PT-3-40	0.49	0.35
1/4"	0.040"	63PT-4-40	0.39	0.27
1/4"	0.062"	63PT-4-62	2.24	1.56
5/16"	0.040"	63PT-5-40	0.73	0.51
5/16"	0.062"	63PT-5-62	0.49	0.35
3/8"	0.062"	63PT-6-62	0.41	0.29
1/2"	0.062"	63PT-8-62	0.80	0.56
5/8"	0.062"	63PT-10-62	3.16	2.21

## 66CA Female Connector



Tube Size	Tube Size	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	66CA-2-2	3.35	2.34
3/16"	1/8"	66CA-3-2	3.10	2.16
3/16"	1/4"	66CA-3-4	16.77	11.70
1/4"	1/8"	66CA-4-2	2.80	1.95
1/4"	1/4"	66CA-4-4	4.32	3.02
5/16"	1/8"	66CA-5-2	4.15	2.90
5/16"	1/4"	66CA-5-4	4.73	3.30
3/8"	1/8"	66CA-6-2	4.43	3.09
3/8"	1/4"	66CA-6-4	4.47	3.12
3/8"	3/8"	66CA-6-6	7.40	5.16
3/8"	1/2"	66CA-6-8	8.90	6.21
1/2"	1/4"	66CA-8-4	15.50	10.82
1/2"	3/8"	66CA-8-6	9.12	6.36
1/2"	1/2"	66CA-8-8	12.00	8.37
5/8"	1/2"	66CA-10-8	11.16	7.79

## 164CA-264CA Union Tee



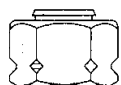
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	164CA-2	10.99	7.67
1/4"	164CA-4	7.22	5.04
5/16"	164CA-5	10.13	7.07
3/8"	164CA-6	9.85	6.87
1/2"	164CA-8	21.24	14.82
5/8"	164CA-10	35.54	24.80
3/4"	164CA-12	37.11	25.89
3/16"	264CA-3	9.20	6.42
1/4"	264CA-4	7.40	5.16

## 164CA Combo Size Union Tee



Tube Size	Tube Size	Tube Size	Catalog Number	Quantity	
1-99	100-499				
3/8"	1/4"	1/4"	164CA-6-4-4	14.00	9.77
3/8"	3/8"	1/4"	164CA-6-6-4	15.48	10.80
1/2"	1/2"	3/8"	164CA-8-8-6	26.77	18.68

### 59CA Plug



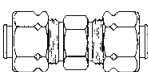
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	59CA-4	\$2.99	\$2.09
3/8"	59CA-6	4.04	2.82
1/2"	59CA-8	4.97	3.47

### 61CA Nut and Sleeve Assembly



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	61CA-2	1.08	0.75
3/16"	61CA-3	0.95	0.66
1/4"	61CA-4	1.03	0.72
5/16"	61CA-5	1.38	0.96
3/8"	61CA-6	1.48	1.04
1/2"	61CA-8	3.01	2.10
5/8"	61CA-10	5.20	3.63
3/4"	61CA-12	7.87	5.49
7/8"	61CA-14	11.70	8.16
1"	61CA-16	13.16	9.18

### 62CA Union



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	62CA-2	4.34	3.03
3/16"	62CA-3	3.68	2.57
1/4"	62CA-4	3.50	2.45
5/16"	62CA-5	4.88	3.41
3/8"	62CA-6	5.22	3.65
1/2"	62CA-8	9.74	6.80
5/8"	62CA-10	18.02	12.57
3/4"	62CA-12	30.62	21.36
7/8"	62CA-14	38.66	26.97

### 62CA Union Reducer



Tube Size	Tube Size	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/4"	62CA-4-3	7.31	5.10
1/4"	3/8"	62CA-6-4	7.83	5.46
3/8"	1/2"	62CA-8-6	14.94	10.43
3/8"	5/8"	62CA-10-6	17.29	12.06

### 62CABH Bulkhead Union



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62CABH-4	14.04	9.80
3/8"	62CABH-6	17.63	12.30

Illinois, Indiana, Missouri, and Iowa  
Phone: 800-953-7626 • 630-595-8400  
Fax: 630-595-2386

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www.lesman.com  
sales@lesman.com

Wisconsin, and Upper Peninsula Michigan  
Phone: 800-837-1700 • 262-923-1790  
Fax: 262-923-1797

**68CA Male Connector**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	68CA-2-2	\$2.34	\$1.64
3/16"	1/8"	68CA-3-2	2.30	1.61
3/16"	1/4"	68CA-3-4	4.95	3.45
1/4"	1/8"	68CA-4-2	2.24	1.56
1/4"	1/4"	68CA-4-4	2.97	2.07
1/4"	3/8"	68CA-4-6	5.48	3.83
1/4"	1/2"	68CA-4-8	8.00	5.58
5/16"	1/8"	68CA-5-2	2.86	2.00
5/16"	1/4"	68CA-5-4	3.14	2.19
3/8"	1/8"	68CA-6-2	3.76	2.63
3/8"	1/4"	68CA-6-4	3.23	2.25
3/8"	3/8"	68CA-6-6	4.21	2.94
3/8"	1/2"	68CA-6-8	6.26	4.37
1/2"	1/4"	68CA-8-4	5.87	4.10
1/2"	3/8"	68CA-8-6	5.83	4.07
1/2"	1/2"	68CA-8-8	7.14	4.98
5/8"	3/8"	68CA-10-6	9.83	6.86
5/8"	1/2"	68CA-10-8	9.03	6.30
5/8"	3/4"	68CA-10-12	14.99	10.46
3/4"	1/2"	68CA-12-8	17.07	11.91
3/4"	3/4"	68CA-12-12	19.20	13.40
7/8"	3/4"	68CA-14-12	20.25	14.13
1"	3/4"	68CA-16-12	24.73	17.25
1"	1"	68CA-16-16	23.87	16.65

**Materials Used for Parker Brass Fittings:**

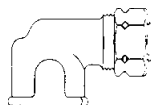
Straight Bodies: Barstock CA360 or CA345  
Shape Bodies: Extruded Barstock CA360 or Forged CA377  
Nuts: Barstock CA360 or Forged CA377

**168CA Gage Tee**



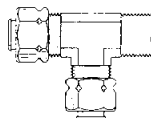
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	168CA-4-2	\$15.18	\$10.59

**170CA-270CA Female Elbow**



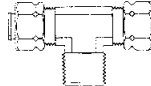
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	170CA-2-2	12.56	8.76
3/16"	1/8"	170CA-3-2	6.02	4.20
1/4"	1/8"	170CA-4-2	4.32	3.02
1/4"	1/4"	170CA-4-4	5.83	4.07
3/8"	1/4"	170CA-6-4	6.49	4.53
3/8"	3/8"	170CA-6-6	12.32	8.60
1/2"	3/8"	170CA-8-6	10.19	7.11
1/4"	1/8"	270CA-4-2	5.46	3.81

**171CA Male Run Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	171CA-2-2	14.53	10.14
3/16"	1/8"	171CA-3-2	7.05	4.92
1/4"	1/8"	171CA-4-2	6.24	4.35
1/4"	1/4"	171CA-4-4	9.05	6.32
3/8"	1/4"	171CA-6-4	9.03	6.30

**172CA Male Branch Tee**



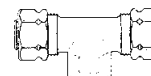
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	172CA-2-2	8.62	6.02
3/16"	1/8"	172CA-3-2	10.04	7.01
1/4"	1/8"	172CA-4-2	6.32	4.41
1/4"	1/4"	172CA-4-4	8.06	5.63
3/8"	1/8"	172CA-6-2	14.25	9.95
3/8"	1/4"	172CA-6-4	10.71	7.47
3/8"	3/8"	172CA-6-6	13.29	9.27
1/2"	3/8"	172CA-8-6	17.01	11.87
3/4"	3/4"	172CA-12-12	41.00	28.61

**176CA Adapter Tee**



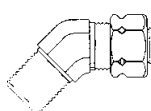
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	176CA-4-2	7.12	4.97

**177CA Female Branch Tee**



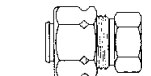
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	177CA-4-2	11.57	8.07

**179CA 45° Elbow**



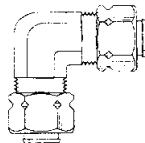
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	179CA-4-2	9.95	6.95
1/4"	1/4"	179CA-4-4	13.52	9.44
3/8"	1/4"	179CA-6-4	13.48	9.41
3/8"	3/8"	179CA-6-6	16.66	11.63
1/2"	3/8"	179CA-8-6	18.68	13.04

**639CA Seal Plug**



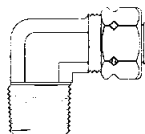
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	639CA-4	4.60	3.21

**165CA-265CA Union Elbow**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	165CA-2	8.45	5.90
3/16"	165CA-3	7.29	5.09
1/4"	165CA-4	4.71	3.29
5/16"	165CA-5	8.11	5.66
3/8"	165CA-6	7.16	5.00
1/2"	165CA-8	14.58	10.17
5/8"	165CA-10	30.68	21.41
3/4"	165CA-12	51.69	36.06
1"	165CA-16	100.28	69.96
1/4"	265CA-4	5.81	4.05

**169CA 269CA Male Elbow**



169: Forging  
269: Extrusion

Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/8"	169CA-3-2	3.89	2.72
3/16"	1/4"	169CA-3-4	7.29	5.09
1/4"	1/8"	169CA-4-2	2.97	2.07
1/4"	1/4"	169CA-4-4	3.96	2.76
1/4"	3/8"	169CA-4-6	8.32	5.81
5/16"	1/8"	169CA-5-2	4.26	2.97
5/16"	1/4"	169CA-5-4	4.69	3.27
5/16"	3/8"	169CA-5-6	14.10	9.84
3/8"	1/8"	169CA-6-2	4.75	3.32
3/8"	1/4"	169CA-6-4	4.56	3.18
3/8"	3/8"	169CA-6-6	5.85	4.08
3/8"	1/2"	169CA-6-8	9.80	6.84
1/2"	1/4"	169CA-8-4	11.07	7.73
1/2"	3/8"	169CA-8-6	8.41	5.87
1/2"	1/2"	169CA-8-8	11.18	7.80
5/8"	3/8"	169CA-10-6	16.53	11.54
5/8"	1/2"	169CA-10-8	13.20	9.21
3/4"	1/2"	169CA-12-8	28.77	20.07
3/4"	3/4"	169CA-12-12	27.54	19.22
1"	3/4"	169CA-16-12	58.52	40.83
1/8"	1/8"	269CA-2-2	3.29	2.30
3/16"	1/8"	269CA-3-2	3.35	2.34
1/4"	1/8"	269CA-4-2	3.01	2.10
1/4"	1/4"	269CA-4-4	3.53	2.46
5/16"	1/8"	269CA-5-2	4.28	2.99
5/16"	1/4"	269CA-5-4	4.73	3.30
3/8"	1/8"	269CA-6-2	4.77	3.33
3/8"	1/4"	269CA-6-4	4.52	3.15
3/8"	3/8"	269CA-6-6	6.43	4.49

# Compression Fittings

No flaring, soldering or other preparation of tubing necessary to assemble. This economical fitting is readily available in a broad selection of styles. Manufactured from CA 360, CA 345 or CA 377 brass.

**Specifications:** UL Listed for flammable liquid. Compression fittings meet functional requirements of SAE J-512 and ASA.

Use with copper, aluminum, and thermoplastic tubing. Designed for low and medium pressure tubing connections where excessive vibration or tube movement is not involved. *Not recommended for steel tubing or applications using gaseous media.*

**Temperature Ranges:** From -65° to 250°F with soft metal tubing. For thermoplastic tubing, see manufacturers recommendation for tubing temperature range.

**Vibration:** Fair resistance to vibration or tube movement, depending on applications involved. Use long nut for additional protection.



## 62C Union (Ref. SAE 060101 BA)



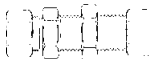
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	62C-2	\$3.61	\$2.52
3/16"	L 62C-3	3.14	2.19
1/4"	L 62C-4	2.95	2.06
5/16"	L 62C-5	4.17	2.91
3/8"	62C-6	4.13	2.88
7/16"	62C-7	13.33	9.30
1/2"	62C-8	8.17	5.70
5/8"	62C-10	14.49	10.11
3/4"	62C-12	27.39	19.11
7/8"	62C-14	36.89	25.74

## 62C Union Reducer (Ref. SAE 060101 BA)



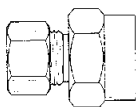
Tube Size	Tube Size	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/4"	62C-4-3	5.81	4.05
1/4"	3/8"	62C-6-4	7.78	5.43
3/8"	1/2"	62C-8-6	14.10	9.84
3/8"	5/8"	62C-10-6	16.02	11.18

## 62CBH Bulkhead Union



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	62CBH-4	13.59	9.48
3/8"	62CBH-6	17.35	12.11

## 66C Female Connector (Ref. SAE 060103 BA)



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	66C-2-2	2.80	1.95
3/16"	1/8"	66C-3-2	2.71	1.89
3/16"	1/4"	66C-3-4	16.88	11.78
1/4"	1/8"	L 66C-4-2	2.47	1.73
1/4"	1/4"	66C-4-4	4.19	2.93
5/16"	1/8"	66C-5-2	3.98	2.78
5/16"	1/4"	66C-5-4	5.76	4.02
3/8"	1/8"	66C-6-2	3.68	2.57
3/8"	1/4"	L 66C-6-4	3.87	2.70
3/8"	3/8"	66C-6-6	7.61	5.31
3/8"	1/2"	66C-6-8	8.30	5.79
7/16"	3/8"	66C-7-6	11.18	7.80
1/2"	1/4"	66C-8-4	13.18	9.20
1/2"	3/8"	66C-8-6	8.00	5.58
1/2"	1/2"	66C-8-8	11.31	7.89
5/8"	1/2"	66C-10-8	10.28	7.17

## 68C Male Connector (Ref. SAE 060102 BA)



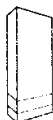
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	L 68C-2-2	1.85	1.29
3/16"	1/8"	L 68C-3-2	2.00	1.40
3/16"	1/4"	68C-3-4	4.75	3.32
1/4"	1/8"	L 68C-4-2	1.87	1.31
1/4"	1/4"	L 68C-4-4	2.56	1.79
1/4"	3/8"	L 68C-4-6	4.90	3.42
1/4"	1/2"	68C-4-8	7.07	4.94
5/16"	1/8"	68C-5-2	2.69	1.88
5/16"	1/4"	L 68C-5-4	2.86	2.00
3/8"	1/8"	L 68C-6-2	3.40	2.37
3/8"	1/4"	L 68C-6-4	2.75	1.92
3/8"	3/8"	L 68C-6-6	3.63	2.54
3/8"	1/2"	L 68C-6-8	5.59	3.90
7/16"	1/4"	68C-7-4	6.24	4.35
1/2"	1/4"	68C-8-4	5.20	3.63
1/2"	3/8"	68C-8-6	4.99	3.48
1/2"	1/2"	L 68C-8-8	6.45	4.50
5/8"	3/8"	68C-10-6	8.17	5.70
5/8"	1/2"	L 68C-10-8	8.26	5.76
5/8"	3/4"	68C-10-12	12.38	8.64
3/4"	1/2"	68C-12-8	13.18	9.20
3/4"	3/4"	68C-12-12	16.86	11.76
7/8"	3/4"	68C-14-12	16.23	11.33

## 60C Sleeve



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	60C-2	\$0.24	\$0.17
3/16"	60C-3	0.24	0.17
1/4"	L 60C-4	0.28	0.20
5/16"	60C-5	0.32	0.23
3/8"	L 60C-6	0.28	0.20
7/16"	60C-7	0.95	0.66
1/2"	L 60C-8	0.62	0.44
5/8"	60C-10	0.97	0.68
3/4"	60C-12	1.59	1.11
7/8"	60C-14	2.09	1.46

## 60PT Delrin Sleeve



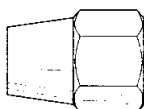
Tube Wall	Catalog Number	Quantity	
		1-99	100-499
1/4"	60PT-4	0.31	0.22
5/16"	60PT-5	0.48	0.33
3/8"	60PT-6	0.49	0.34
1/2"	60PT-8	0.47	0.33
5/8"	60PT-10	0.71	0.50

## 61C Nut (Ref. SAE 060110)



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	L 61C-2	0.49	0.35
3/16"	L 61C-3	0.52	0.36
1/4"	L 61C-4	0.67	0.47
5/16"	61C-5	0.75	0.53
3/8"	L 61C-6	0.82	0.57
7/16"	61C-7	1.81	1.26
1/2"	61C-8	1.74	1.22
5/8"	61C-10	3.42	2.39
3/4"	61C-12	5.38	3.75
7/8"	61C-14	6.56	4.58

## 61CL Long Nut (Ref. SAE 060111)



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	61CL-4	1.89	1.32
5/16"	61CL-5	6.84	4.77
3/8"	61CL-6	2.99	2.09
1/2"	61CL-8	6.60	4.61
5/8"	61CL-10	13.70	9.56
3/4"	61CL-12	12.99	9.06

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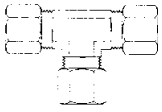
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**COMPRESSION  
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**461** 


**164C-264C Union Tee (Ref. SAE 060401 BA)**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	 164C-2	\$8.06	\$5.63
1/4"	 164C-4	6.39	4.46
5/16"	164C-5	9.25	6.45
3/8"	 164C-6	8.32	5.81
1/2"	164C-8	18.60	12.98
5/8"	164C-10	31.20	21.77
3/4"	164C-12	31.39	21.90
3/16"	264C-3	8.51	5.94
1/4"	264C-4	6.41	4.47

**170C-270C Female Elbow (Ref. SAE 060203 BA)**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	170C-2-2	\$13.87	\$9.68
3/16"	1/8"	170C-3-2	5.70	3.98
1/4"	1/8"	 170C-4-2	4.30	3.00
1/4"	1/4"	170C-4-4	5.57	3.89
3/8"	1/4"	170C-6-4	6.00	4.19
3/8"	3/8"	170C-6-6	10.86	7.58
1/2"	3/8"	170C-8-6	9.33	6.51
1/4"	1/8"	270C-4-2	5.72	3.99


**164C Union Tee Combination Sizes (Ref. SAE 060401 BA)**



Tube Size	Tube Size	Tube Size	Catalog Number	Quantity	
				1-99	100-499
3/8"	1/4"	1/4"	164C-6-4-4	12.96	9.05
3/8"	3/8"	1/4"	164C-6-6-4	13.57	9.47
1/2"	1/2"	3/8"	164C-8-8-6	26.34	18.38


**171C Male Run Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	171C-2-2	14.25	9.95
3/16"	1/8"	171C-3-2	6.43	4.49
1/4"	1/8"	 171C-4-2	5.65	3.95
1/4"	1/4"	171C-4-4	8.79	6.14
3/8"	1/4"	171C-6-4	7.76	5.42


**165C-265C Union Elbow (Ref. SAE 060201 BA)**



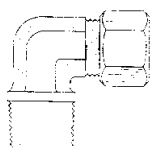
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	165C-2	9.07	6.33
3/16"	165C-3	5.74	4.01
1/4"	165C-4	4.32	3.02
5/16"	165C-5	7.35	5.13
3/8"	165C-6	6.39	4.46
7/16"	165C-7	9.27	6.47
1/2"	 165C-8	12.90	9.00
5/8"	165C-10	27.24	19.01
3/4"	165C-12	45.77	31.94
1/4"	265C-4	5.83	4.07

**172C Male Branch Tee (Ref. SAE 060425 BA)**









Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	172C-2-2	9.07	6.33
3/16"	1/8"	172C-3-2	8.69	6.06
1/4"	1/8"	 172C-4-2	6.56	4.58
1/4"	1/4"	172C-4-4	7.89	5.51
3/8"	1/8"	172C-6-2	13.89	9.69
3/8"	1/4"	172C-6-4	10.04	7.01
3/8"	3/8"	172C-6-6	11.95	8.34
1/2"	3/8"	172C-8-6	14.86	10.37

**169C-269C Male Elbow (Ref. SAE 060202 BA)**



169: Forging  
269: Extrusion

Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/8"	 169C-3-2	3.61	2.52
3/16"	1/4"	169C-3-4	7.33	5.12
1/4"	1/8"	 169C-4-2	2.73	1.91
1/4"	1/4"	169C-4-4	3.74	2.61
1/4"	3/8"	169C-4-6	7.85	5.48
5/16"	1/8"	169C-5-2	3.59	2.51
5/16"	1/4"	169C-5-4	3.96	2.76
5/16"	3/8"	169C-5-6	12.26	8.55
3/8"	1/8"	169C-6-2	4.19	2.93
3/8"	1/4"	169C-6-4	3.76	2.63
3/8"	3/8"	 169C-6-6	5.35	3.74
3/8"	1/2"	 169C-6-8	8.54	5.96
1/2"	1/4"	169C-8-4	9.59	6.69
1/2"	3/8"	169C-8-6	7.46	5.21
1/2"	1/2"	 169C-8-8	9.59	6.69
5/8"	1/2"	169C-10-8	12.00	8.37
3/4"	1/2"	169C-12-8	24.08	16.80
3/4"	3/4"	169C-12-12	26.81	18.71
1/8"	1/8"	269C-2-2	2.71	1.89
3/16"	1/8"	269C-3-2	2.95	2.06
1/4"	1/8"	 269C-4-2	2.43	1.70
1/4"	1/4"	269C-4-4	2.88	2.01
5/16"	1/8"	269C-5-2	4.17	2.91
5/16"	1/4"	269C-5-4	4.60	3.21
3/8"	1/8"	269C-6-2	4.43	3.09
3/8"	1/4"	269C-6-4	4.02	2.81
3/8"	3/8"	269C-6-6	5.65	3.95
7/16"	3/8"	269C-7-6	21.37	14.91

**176C Adapter Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	176C-4-2	6.84	4.77

**177C Female Branch Tee**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	177C-4-2	11.12	7.76

**179C 45° Compression Elbow to Male Pipe**



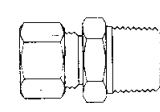
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	179C-4-2	9.85	6.87
1/4"	1/4"	179C-4-4	13.61	9.50
3/8"	1/8"	179C-6-2	14.60	10.19
3/8"	1/4"	179C-6-4	12.04	8.40
3/8"	3/8"	179C-6-6	15.91	11.10
1/2"	3/8"	179C-8-6	15.35	10.71

**639C Seal Plug**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	639C-4	4.43	3.09

**682C Straight Through Tank Fitting**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/8"	682C-3-2	4.19	2.93
3/8"	3/8"	682C-6-6	6.84	4.77
1/2"	1/2"	682C-8-8	7.72	5.39



# SAE 45° Flared Brass Fittings for Metal Tubing



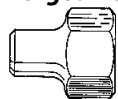
Use with copper, brass, aluminum and welded steel hydraulic tubing that can be flared. Manufactured especially for hard-to-hold liquids and gases. Temperature and type of tubing used are important factors. The following table is a good guide for proper selection. Temperature 73°F with copper tubing:

PSI	Tube O.D.	Tube Wall
2800	1/8"	0.030"
1900	3/16"	0.030"
1400	1/4"	0.030"
1200	5/16"	0.032"
1000	3/8"	0.032"
750	1/2"	0.032"
650	5/8"	0.035"
550	3/4"	0.035"
450	7/8"	0.035"



Temperature ranges from -65° to 250°F. Short nut may be used when vibration is minimal. The long nut offers additional vibration capacity.

### 14FL Long Forged Nut



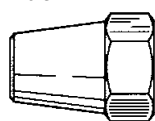
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	14FL-4	\$4.06	\$2.84
3/8"	14FL-6	7.48	5.22
1/2"	14FL-8	7.10	4.95

### 14FSX Short Forged Nut



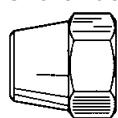
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	14FSX-4	2.09	1.46
5/16"	14FSX-5	5.22	3.65
3/8"	14FSX-6	2.56	1.79
1/2"	14FSX-8	3.03	2.12
5/8"	14FSX-10	3.72	2.60
3/4"	14FSX-12	10.17	7.10

### 41FL Long Nut



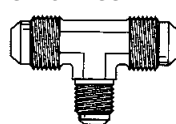
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	41FL-2	3.20	2.24
3/16"	41FL-3	2.67	1.86
1/4"	41FL-4	1.81	1.26
5/16"	41FL-5	2.73	1.91
3/8"	41FL-6	3.48	2.43
1/2"	41FL-8	5.59	3.90
5/8"	41FL-10	13.27	9.26
3/4"	41FL-12	18.66	13.02

### 41FS Short Nut



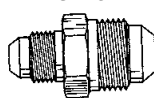
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	41FS-2	2.56	1.79
3/16"	41FS-3	0.99	0.69
1/4"	41FS-4	1.12	0.78
5/16"	41FS-5	1.87	1.31
3/8"	41FS-6	2.34	1.64
5/8"	41FS-10	6.17	4.31
3/4"	41FS-12	9.61	6.71
7/8"	41FS-14	24.42	17.04

### 144F Forged Union Tee



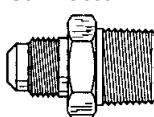
Tube Size	Catalog Number	Quantity	
		1-99	100-499
3/16"	144F-3	5.74	4.01
1/4"	144F-4	3.23	2.25
5/16"	144F-5	12.43	8.67
3/8"	144F-6	7.35	5.13
1/2"	144F-8	9.57	6.68
5/8"	144F-10	16.17	11.28

### 42F Union



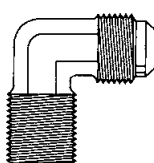
Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	42F-2	\$4.62	\$3.23
3/16"	42F-3	2.56	1.79
1/4"	42F-4	1.33	0.93
5/16"	42F-5	2.77	1.94
3/8"	42F-6	2.73	1.91
1/2"	42F-8	5.65	3.95
5/8"	42F-10	8.21	5.73
3/4"	42F-12	16.60	11.58

### 48F Male Connector



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	48F-2-2	4.11	2.87
3/16"	1/8"	48F-3-2	1.23	0.86
3/16"	1/4"	48F-3-4	3.93	2.75
1/4"	1/8"	48F-4-2	1.03	0.72
1/4"	1/4"	48F-4-4	1.70	1.19
1/4"	3/8"	48F-4-6	3.55	2.48
1/4"	1/2"	48F-4-8	7.98	5.57
5/16"	1/8"	48F-5-2	1.63	1.14
5/16"	1/4"	48F-5-4	2.37	1.65
5/16"	3/8"	48F-5-6	5.25	3.66
3/8"	1/8"	48F-6-2	2.60	1.82
3/8"	1/4"	48F-6-4	1.91	1.34
3/8"	3/8"	48F-6-6	2.69	1.88
3/8"	1/2"	48F-6-8	4.49	3.14
3/8"	3/4"	48F-6-12	10.19	7.11
1/2"	1/4"	48F-8-4	4.99	3.48
1/2"	3/8"	48F-8-6	3.48	2.43
1/2"	1/2"	48F-8-8	4.39	3.06
1/2"	3/4"	48F-8-12	7.98	5.57
5/8"	1/4"	48F-10-4	10.90	7.61
5/8"	3/8"	48F-10-6	5.81	4.05
5/8"	1/2"	48F-10-8	4.39	3.06
5/8"	3/4"	48F-10-12	8.56	5.97
3/4"	1/2"	48F-12-8	10.34	7.22
3/4"	3/4"	48F-12-12	9.87	6.89
7/8"	3/4"	48F-14-12	36.12	25.20

### 149F Forged 90° Male Elbow



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	149F-2-2	5.01	3.50
3/16"	1/8"	149F-3-2	3.66	2.55
1/4"	1/8"	149F-4-2	2.41	1.68
1/4"	1/4"	149F-4-4	2.97	2.07
1/4"	3/8"	149F-4-6	6.54	4.56
5/16"	1/8"	149F-5-2	5.14	3.59
5/16"	1/4"	149F-5-4	5.33	3.72
5/16"	3/8"	149F-5-6	10.19	7.11
3/8"	1/8"	149F-6-2	4.69	3.27
3/8"	1/4"	149F-6-4	3.35	2.34
3/8"	3/8"	149F-6-6	4.30	3.00
3/8"	1/2"	149F-6-8	8.06	5.63
3/8"	3/4"	149F-6-12	20.30	14.16
1/2"	1/4"	149F-8-4	6.86	4.79
1/2"	3/8"	149F-8-6	5.38	3.75
1/2"	1/2"	149F-8-8	8.39	5.85
1/2"	3/4"	149F-8-12	11.22	7.83
5/8"	3/8"	149F-10-6	10.54	7.35
5/8"	1/2"	149F-10-8	8.97	6.26
5/8"	3/4"	149F-10-12	17.44	12.17
3/4"	1/2"	149F-12-8	18.23	12.72
3/4"	3/4"	149F-12-12	23.91	16.68



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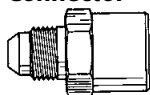
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**FLARED  
FITTINGS**

**463**

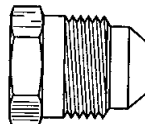


**46F Female Connector**



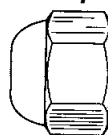
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	46F-2-2	\$9.61	\$6.71
3/16"	1/8"	46F-3-2	6.06	4.23
1/4"	1/8"	46F-4-2	1.63	1.14
1/4"	1/4"	46F-4-4	3.33	2.33
1/4"	3/8"	46F-4-6	7.10	4.95
5/16"	1/8"	46F-5-2	5.29	3.69
5/16"	1/4"	46F-5-4	6.36	4.44
3/8"	1/8"	46F-6-2	5.55	3.87
3/8"	1/4"	46F-6-4	3.33	2.33
3/8"	3/8"	46F-6-6	4.90	3.42
3/8"	1/2"	46F-6-8	6.56	4.58
1/2"	1/4"	46F-8-4	5.91	4.13
1/2"	3/8"	46F-8-6	4.62	3.23
1/2"	1/2"	46F-8-8	6.11	4.26
1/2"	3/4"	46F-8-12	13.89	9.69
5/8"	1/2"	46F-10-6	11.98	8.36
5/8"	3/4"	46F-10-8	5.61	3.92
5/8"	3/4"	46F-10-12	23.78	16.59

**639F Seal Plug**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	639F-4	\$1.83	\$1.28
5/16"	639F-5	3.14	2.19
3/8"	639F-6	2.28	1.59
1/2"	639F-8	3.91	2.73
5/8"	639F-10	6.43	4.49

**640F Cap Nut**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
3/16"	640F-3	3.38	2.36
1/4"	640F-4	1.10	0.77
5/16"	640F-5	1.87	1.31
3/8"	640F-6	1.57	1.10
1/2"	640F-8	2.88	2.01
5/8"	640F-10	4.28	2.99

**Vibra-Lok Brass Fittings for High Vibration Applications**

Use with all seamed or seamless metal tubing: copper, aluminum, steel (Bundy), stainless steel and glass. Sleeves are compatible for gasoline, oil, diesel fuel, lubricants, vacuum, air and water service.

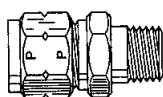


SAE J1926 straight threads and NPTF pipe threads are standard. Fittings will withstand various temperatures depending on the sleeve used in assembly. Viton® sleeves are marked with a red stripe and will provide service from -15° to 450°F. Buna N sleeves are marked with a green stripe and will provide service from -30° to 275°F. Excellent resistance to vibration, mechanical, shock and tube movement.

In high pressure applications and sizes larger than 1/2" O.D., the tube end should be belled or flared.

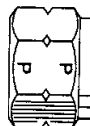
Condition	Tube O.D.	Tube Not Belled	Tube Belled or Flared
Static Pressure	3/16"	500	1000
	1/4"	500	1000
	5/16"	450	900
	3/8"	350	700
	1/2"	200	500
Minor Surges and/or Vibrations	3/16"	400	800
	1/4"	400	800
	5/16"	325	700
	3/8"	225	500
	1/2"	150	375
Severe Vibrations or Shock	3/16"	300	600
	1/4"	300	600
	5/16"	225	500
	3/8"	175	400
	1/2"	100	250
	5/8"		100

**68VL Male Connector**



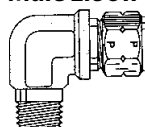
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	68VL-2-2	\$9.18	\$6.41
3/16"	1/8"	68VL-3-2	5.46	3.81
1/4"	1/8"	68VL-4-2	4.84	3.38
1/4"	1/4"	68VL-4-4	9.44	6.59
5/16"	1/4"	68VL-5-4	7.16	5.00
3/8"	1/8"	68VL-6-2	13.01	9.08
3/8"	1/4"	68VL-6-4	8.04	5.61
3/8"	3/8"	68VL-6-6	13.09	9.14
1/2"	3/8"	68VL-8-6	11.20	7.82
1/2"	1/2"	68VL-8-8	13.27	9.26
5/8"	1/2"	68VL-10-8	19.61	13.68
3/4"	1/2"	68VL-12-8	18.58	12.96
3/4"	3/4"	68VL-12-12	25.99	18.14

**61VL Nut**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	61VL-2	\$4.00	\$2.79
3/16"	61VL-3	2.26	1.58
1/4"	61VL-4	2.28	1.59
5/16"	61VL-5	1.98	1.38
3/8"	61VL-6	2.64	1.85
1/2"	61VL-8	4.04	2.82
5/8"	61VL-10	8.34	5.82
3/4"	61VL-12	8.39	5.85

**169VL Male Elbow**



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/16"	1/8"	169VL-3-2	13.03	9.09
1/4"	1/8"	169VL-4-2	6.28	4.38
1/4"	1/4"	169VL-4-4	11.07	7.73
5/16"	1/4"	169VL-5-4	12.17	8.49
3/8"	1/8"	169VL-6-2	22.34	15.59
3/8"	1/4"	169VL-6-4	12.26	8.55
3/8"	3/8"	169VL-6-6	19.80	13.82
1/2"	3/8"	169VL-8-6	20.19	14.09
1/2"	1/2"	169VL-8-8	32.57	22.73
5/8"	1/8"	169VL-10-8	32.72	22.83

**60VL Buna-N Sleeve**



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/8"	60VL-2	0.99	0.69
3/16"	60VL-3	0.99	0.69
1/4"	60VL-4	1.44	1.00
5/16"	60VL-5	1.55	1.08
3/8"	60VL-6	1.39	0.97
1/2"	60VL-8	1.83	1.28
5/8"	60VL-10	2.01	1.40
3/4"	60VL-12	4.30	3.00

Thermometers

Parker Tubing and Tube Fittings

Value-Added Services

Application Datasheets

Index and Reference

# Hi-Duty Brass Fittings



No flaring, soldering, or other preparation of tubing necessary. Pre-assembled brass fitting with sleeve machined onto the nut. This two-piece brass flareless compression design is available in a broad range of configurations from 1/8" to 5/8" OD tube sizes.

**Specifications:** Use with copper, brass, seamless steel, and thermoplastic tubing for instrumentation systems, farm and mobile construction equipment, hydraulic and pneumatic controls, process control systems, and laboratory equipment.

**Working Pressure Range:** Up to 4,3000 PSI depending on tubing used.

### 62HDBH Bulkhead Union

Tube Size	Orifice Size (Min)	Catalog Number	Quantity	
			1-99	100-499
1/8"	0.093	62HDBH-2	\$18.17	\$12.68
1/4"	0.187	62HDBH-4	16.90	11.79

### 61HD Nut and Sleeve

Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	5/16-24	61HD-2	1.35	0.95
3/16"	3/8-24	61HD-3	1.25	0.87
1/4"	7/16-24	61HD-4	1.31	0.92
5/16"	1/2-20	61HD-5	1.81	1.26
3/8"	9/16-20	61HD-6	1.89	1.32
1/2"	1 1/16-16	61HD-8	3.98	2.78
5/8"	7/8-18	61HD-10	22.32	15.57

### 62HD Union

Tube Size	Orifice Size (Min)	Catalog Number	Quantity	
			1-99	100-499
1/8"	0.093	62HD-2	21.78	15.20
3/16"	0.125	62HD-3	12.99	9.06
1/4"	0.187	62HD-4	7.44	5.19
3/8"	0.312	62HD-6	9.35	6.53
1/2"	0.437	62HD-8	14.13	9.86
5/8"	0.500	62HD-10	36.77	25.65

### 164HD Union Tee

Tube Size	Orifice Size (Min)	Catalog Number	Quantity	
			1-99	100-499
1/4"	0.187	164HD-4	19.72	13.76
3/8"	0.312	164HD-6	25.16	17.55
1/2"	0.437	164HD-8	38.06	26.55

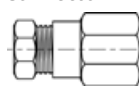
### 165HD Union Elbow

Tube Size	Orifice Size (Min)	Catalog Number	Quantity	
			1-99	100-499
1/4"	0.187	165HD-4	15.70	10.95
3/8"	0.312	165HD-6	15.09	10.53
1/2"	0.437	165HD-8	21.07	14.70

### 62HD Reducing Union

Tube Size	Orifice Size (Min)	Catalog Number	Quantity	
			1-99	100-499
3/8" x 1/4"	0.187	62HD-6-4	13.78	9.62
1/2" x 1/4"	0.187	62HD-8-4	22.34	15.59
1/2" x 3/8"	0.312	62HD-8-6	17.67	12.33

### 66HD Female Connector



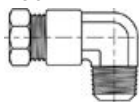
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	66HD-2-2	\$9.29	\$6.48
1/4"	1/8"	66HD-4-2	7.61	5.31
1/4"	1/4"	66HD-4-4	10.45	7.29
3/8"	3/8"	66HD-6-6	20.25	14.13

### 68HD Male Connector



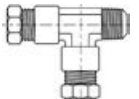
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	68HD-2-2	4.67	3.26
3/16"	1/8"	68HD-3-2	3.40	2.37
1/4"	1/8"	68HD-4-2	3.01	2.10
1/4"	1/4"	68HD-4-4	3.74	2.61
1/4"	3/8"	68HD-4-6	11.35	7.92
1/4"	1/2"	68HD-4-8	12.77	8.91
3/8"	1/4"	68HD-6-4	6.32	4.41
3/8"	3/8"	68HD-6-6	5.89	4.11
3/8"	1/2"	68HD-6-8	12.00	8.37
1/2"	1/4"	68HD-8-4	11.01	7.68
1/2"	3/8"	68HD-8-6	10.81	7.55
1/2"	1/2"	68HD-8-8	11.55	8.06
1/2"	3/4"	68HD-8-12	14.84	10.35

### 169HD Male Elbow



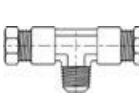
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	169HD-2-2	9.14	6.38
3/16"	1/8"	169HD-3-2	9.57	6.68
1/4"	1/8"	169HD-4-2	5.48	3.83
1/4"	1/4"	169HD-4-4	6.17	4.31
1/4"	3/8"	169HD-4-6	33.76	23.55
3/8"	1/4"	169HD-6-4	5.40	3.77
3/8"	3/8"	169HD-6-6	14.02	9.78
3/8"	1/2"	169HD-6-8	13.50	9.42
1/2"	1/4"	169HD-8-4	19.18	13.38
1/2"	1/2"	169HD-8-8	21.07	14.70

### 171HD Male Run Tee



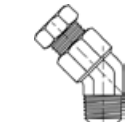
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	171HD-4-2	17.03	11.88
1/4"	1/4"	171HD-4-4	24.42	17.04
3/8"	1/4"	171HD-6-4	28.87	20.15

### 172HD Male Branch Tee



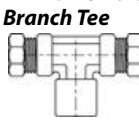
Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	172HD-4-2	30.68	21.41
1/4"	1/4"	172HD-4-4	16.88	11.78
3/8"	3/8"	172HD-6-6	27.48	19.17

### 179HD 45° Male Elbow



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	179HD-2-2	28.23	19.70
1/4"	1/8"	179HD-4-2	13.12	9.15
3/8"	1/4"	179HD-6-4	31.73	22.14

### 177HD Female Branch Tee



Tube Size	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
3/8"	1/4"	177HD-6-4	35.28	24.62

### 59HD Plug



Tube Size	Catalog Number	Quantity	
		1-99	100-499
1/4"	59HD-4	6.49	4.53
3/8"	59HD-6	4.43	3.09
1/2"	59HD-8	7.96	5.55

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V.08.2017

**BRASS PIPE  
FITTINGS**

**465** 



All pipe fitting threads are made to Dryseal standards. Connectors, unions, nuts, and extruded elbows and tees are machined from CA 360 and CA 345 brass; forged elbows and tees machined from CA 377 brass.

**Specifications:** Meets functional requirements of the SAE J530, SAE J531, and ASA. Use with brass, copper or iron pipe. Manufactured for low and medium pressure line connection work.

**Working Pressure and Temperature Ranges:** From -65° to 250°F at 1000 PSI.




**Vibration:** Fair resistance to vibration and pipe movement depending on conditions.



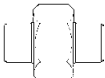
## Brass Pipe Fittings


### 211P Square-Head Plug



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 211P-2	\$0.73	\$0.51
1/4"	 211P-4	1.38	0.96
3/8"	 211P-6	2.92	2.04
1/2"	211P-8	3.68	2.57
3/4"	211P-12	7.93	5.54


### 212P Union



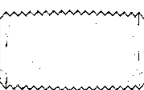
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/4"	 212P-4	20.51	14.31
3/8"	212P-6	27.56	19.23





### 213P Cap



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 213P-2	1.59	1.11
1/4"	213P-4	2.15	1.50
3/8"	213P-6	5.65	3.95
1/2"	213P-8	8.23	5.75
3/4"	213P-12	9.16	6.39






### 215PN Close Nipple



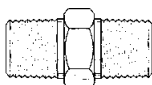
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 215PN-2	0.90	0.63
1/4"	 215PN-4	1.27	0.89
3/8"	 215PN-6	2.97	2.07
1/2"	215PN-8	4.24	2.96
3/4"	 215PN-12	10.23	7.14





### 215PNL Long Nipple



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 215PNL-2-15	1.63	1.14
1/8"	215PNL-2-20	2.62	1.83
1/8"	215PNL-2-25	3.07	2.15
1/8"	215PNL-2-30	6.92	4.83
1/8"	215PNL-2-35	6.88	4.80
1/4"	 215PNL-4-15	3.10	2.16
1/4"	 215PNL-4-20	2.82	1.97
1/4"	215PNL-4-25	5.40	3.77
1/4"	215PNL-4-30	7.16	5.00
1/4"	 215PNL-4-35	9.25	6.45
3/8"	215PNL-6-15	5.40	3.77
3/8"	 215PNL-6-20	4.39	3.06
3/8"	215PNL-6-25	6.62	4.62
3/8"	215PNL-6-30	11.29	7.88
3/8"	215PNL-6-35	11.14	7.77
1/2"	215PNL-8-15	5.87	4.10
1/2"	215PNL-8-20	8.13	5.67
1/2"	215PNL-8-25	12.28	8.57
1/2"	215PNL-8-30	14.32	9.99
1/2"	215PNL-8-35	13.55	9.45


### 216P Hex Nipple



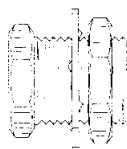
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 216P-2	\$1.05	\$0.74
1/4"	 216P-4	1.85	1.29
3/8"	 216P-6	2.75	1.92
1/2"	 216P-8	6.67	4.65
3/4"	216P-12	12.19	8.51






### 216P Hex Nipple Reducer



Pipe Thread	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	 216P-4-2	2.43	1.70
3/8"	1/8"	216P-6-2	4.99	3.48
3/8"	1/4"	216P-6-4	4.41	3.08
1/2"	1/4"	216P-8-4	6.56	4.58
1/2"	3/8"	216P-8-6	6.77	4.73
3/4"	1/2"	216P-12-8	11.83	8.25



### 207ACBH Anchor Coupling Max Flow



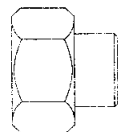
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 207ACBH-2	\$10.15	\$7.08
1/8"	207ACBHS-2	11.18	7.80
1/4"	207ACBH-4	10.79	7.53
1/4"	 207ACBHS-4	9.22	6.44
3/8"	 207ACBH-6	22.04	15.38
1/2"	 207ACBH-8	23.39	16.32
3/4"	 207ACBH-12	72.93	50.88
1"	207ACBH-16	177.33	123.72

### 207P Coupling



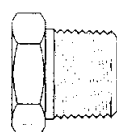
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	 207P-2	1.33	0.93
1/4"	 207P-4	2.73	1.91
3/8"	207P-6	4.58	3.20
1/2"	207P-8	6.34	4.43
3/4"	207P-12	13.74	9.59






### 208P Reducer Coupling



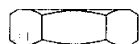
Pipe Thread	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/4"	1/8"	208P-4-2	2.92	2.04
3/8"	1/4"	208P-6-4	4.06	2.84
1/2"	1/4"	208P-8-4	11.78	8.22
1/2"	3/8"	208P-8-6	7.46	5.21
3/4"	3/8"	208P-12-6	14.73	10.28
3/4"	1/2"	208P-12-8	15.29	10.67


### 209P Bushing



Pipe Thread	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/4"	 209P-4-2	1.10	0.77
1/8"	3/8"	209P-6-2	2.15	1.50
1/4"	3/8"	 209P-6-4	1.74	1.22
1/8"	1/2"	209P-8-2	3.72	2.60
1/4"	1/2"	 209P-8-4	3.46	2.42
3/8"	1/2"	209P-8-6	3.25	2.27
1/8"	3/4"	209P-12-2	8.00	5.58
1/4"	3/4"	209P-12-4	6.90	4.82
3/8"	3/4"	 209P-12-6	5.91	4.13
1/2"	3/4"	 209P-12-8	4.95	3.45
1/2"	1"	209P-16-8	8.56	5.97
3/4"	1"	209P-16-12	8.92	6.23

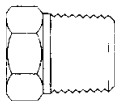
### 210P Locknut



NPSL Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	210P-2	1.63	1.14
1/4"	 210P-4	2.00	1.40
3/8"	210P-6	3.25	2.27
1/2"	210P-8	4.90	3.42

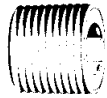
# Brass Pipe Fittings

## 218P Hex-Head Plug



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	218P-2	\$0.86	\$0.60
1/4"	218P-4	1.25	0.87
3/8"	218P-6	2.60	1.82
1/2"	218P-8	3.68	2.57
3/4"	218P-12	7.40	5.16

## 219P Countersunk Hex-Head Plug



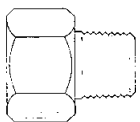
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	219P-2	0.97	0.68
1/4"	219P-4	2.64	1.85
3/8"	219P-6	3.40	2.37
1/2"	219P-8	4.79	3.35
3/4"	219P-12	5.61	3.92

## 220P Slotted-Head Plug



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	220P-2	0.86	0.60
1/4"	220P-4	1.87	1.31
3/8"	220P-6	8.41	5.87

## 222P Adapter



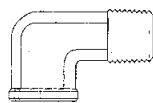
Pipe Thread	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	222P-2-2	1.38	0.96
1/4"	1/8"	222P-4-2	2.60	1.82
1/4"	1/4"	222P-4-4	2.54	1.77
3/8"	1/8"	222P-6-2	5.38	3.75
3/8"	1/4"	222P-6-4	4.88	3.41
3/8"	3/8"	222P-6-6	4.92	3.44
1/2"	1/4"	222P-8-4	7.33	5.12
1/2"	3/8"	222P-8-6	9.03	6.30
1/2"	1/2"	222P-8-8	12.30	8.58
3/4"	3/8"	222P-12-6	16.30	11.37
3/4"	1/2"	222P-12-8	18.49	12.90
3/4"	3/4"	222P-12-12	17.09	11.93

## 1200P-2200P 90° Union Elbow



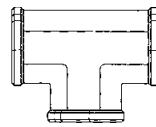
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	1200P-2-2	3.59	2.51
1/4"	1200P-4-4	4.67	3.26
3/8"	1200P-6-6	7.96	5.55
1/8"	2200P-2-2	2.75	1.92
1/4"	2200P-4-4	3.59	2.51
3/8"	2200P-6-6	7.10	4.95
1/2"	2200P-8-8	9.68	6.75

## 1202P-2202P 90° Street Elbow



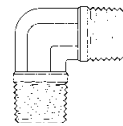
Pipe Thread	Pipe Thread	Catalog Number	Quantity	
			1-99	100-499
1/8"	1/8"	1202P-2-2	2.77	1.94
1/4"	1/4"	1202P-4-4	3.81	2.66
3/8"	1/4"	1202P-6-4	10.28	7.17
3/8"	3/8"	1202P-6-6	4.43	3.09
1/8"	1/8"	2202P-2-2	1.72	1.20
1/8"	1/8"	2202PA-2-2	3.27	2.28
1/4"	1/8"	2202P-4-2	4.24	2.96
1/4"	1/4"	2202P-4-4	2.92	2.04
1/4"	1/4"	2202PA-4-4	3.31	2.31
1/4"	3/8"	2202P-4-6	6.62	4.62
3/8"	3/8"	2202P-6-6	5.33	3.72
3/8"	3/8"	2202PA-6-6	7.42	5.18
1/2"	1/2"	2202P-8-8	8.92	6.23
3/4"	1/2"	2202P-12-8	19.44	13.56
3/4"	3/4"	2202P-12-12	17.01	11.87

## 1203P-2203P Union Tee (Ref. SAE 130438)



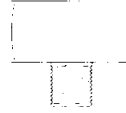
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	1203P-2	\$3.61	\$2.52
1/4"	1203P-4	4.77	3.33
1/2"	1203P-8	15.07	10.52
1/8"	2203P-2	3.38	2.36
1/4"	2203P-4	5.05	3.53
3/8"	2203P-6	9.42	6.57
1/2"	2203P-8	13.89	9.69
3/4"	2203P-12	24.34	16.98

## 1204P Male Elbow



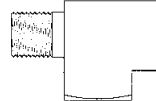
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	1204P-2	2.86	2.00
1/4"	1204P-4	3.10	2.16
3/8"	1204P-6	5.72	3.99
1/2"	1204P-8	7.31	5.10

## 2224P Male Branch Tee



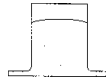
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2224P-2	3.72	2.60
1/4"	2224P-4	6.54	4.56
3/8"	2224P-6	8.64	6.03
1/2"	2224P-8	16.02	11.18
3/4"	2224P-12	16.19	11.30

## 2225P Street Tee



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2225P-2	3.38	2.36
1/4"	2225P-4	7.85	5.48
3/8"	2225P-6	10.00	6.98
1/2"	2225P-8	15.31	10.68
3/4"	2225P-12	28.75	20.06

## 2200PDE Drop-Ear 90° Elbow



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2200PDE-2	10.62	7.41

## 2201P 45° Female Elbow



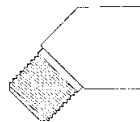
Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2201P-2-2	5.74	4.01

## 2205P Cross



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2205P-2	5.68	3.96
1/4"	2205P-4	8.56	5.97
3/8"	2205P-6	18.40	12.84
1/2"	2205P-8	22.58	15.75
3/4"	2205P-12	30.66	21.39

## 2214P 45° Street Elbow



Pipe Thread	Catalog Number	Quantity	
		1-99	100-499
1/8"	2214P-2-2	2.26	1.58
1/4"	2214P-4-4	4.11	2.87
3/8"	2214P-6-6	5.89	4.11
1/2"	2214P-8-8	11.57	8.07
3/4"	2214P-12-12	22.08	15.41



Illinois, Indiana, Missouri, and Iowa  
Phone: 800-953-7626 • 630-595-8400  
Fax: 630-595-2386

**Lesman Instrument Company**  
[www.lesman.com](http://www.lesman.com)  
sales@lesman.com

Wisconsin, and Upper Peninsula Michigan  
Phone: 800-837-1700 • 262-923-1790  
Fax: 262-923-1797

V 08.2017

**FLARING  
TOOLS**


**467** 



### Rol-Air 37° Flaring Tool

*For tube ODs 3/4", 7/8", 1" and 1-1/4" in soft steel, copper, aluminum, and fully annealed stainless steel.*

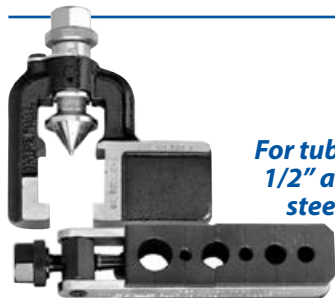
Carrying case included. Meets Federal Spec. GGG-F451a, 4-5-61, Type I, Class 1, Style B.

**Catalog Number:**  **537-F**  
**Price:** \$475.95

### Hi-Duty 37° Flaring Tool


*37° flaring tool for tube ODs: 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" in soft copper, aluminum, and brass.*

**Catalog Number:**  **437-FB** **Price:** \$114.95



### Heavy Duty 37° Flaring Tool

*For tube ODs: 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" in copper, aluminum, steel, and stainless steel tubing*

**Catalog Number:**  **400-F**  
**Price Each:** \$534.95

### 4-In-1 Flaring Tool

- **Make 45° or 37° flares** on soft copper, brass, aluminum, steel, and stainless steel tubing.  
Tube sizes: 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4".
- **Make 45° double-flares** on soft copper, aluminum, and Bundy or G.M. steel.  
Tube sizes: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4".
- **Swage** soft copper, aluminum, and brass tubing.  
Tube sizes: 3/16", 1/4", 5/16", 3/8", 1/2", 5/8" and 3/4".

**Catalog Number:** **2000-FS**

**Price Each:** \$549.95



## Flaring Tools for Metal Tubing



### 45° Flaring Tool

*For tube ODs 3/16", 1/4", 5/16", 3/8", 7/16", 1/2" and 5/8" in soft copper, aluminum, and brass tubing.*

**Our most popular 45° flaring tool** meets Federal Spec. GGG-451A, 4-5-61, Type I, Class 2, Style A.

**Catalog Number:** **195-FC**  
**Price Each:** \$58.75



### Rol-Air® 45° Flaring Tool

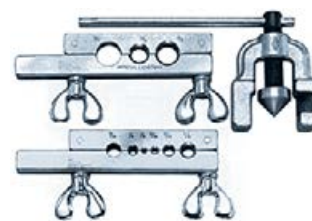
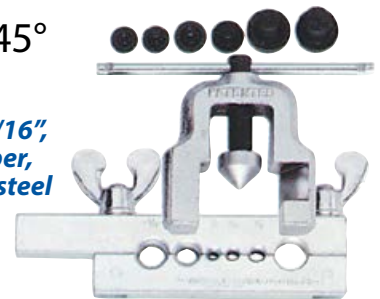
*For flaring/burnishing tube ODs 3/16", 1/4", 5/16", 3/8", 1/2" and 5/8" in soft copper, aluminum, and brass tubing.*

**Catalog Number:** **500-FC**  
**Price Each:** \$89.95

### Single or Double 45° Flaring Tool

*For tube ODs 3/16", 1/4", 5/16", 3/8" and 1/2" in soft copper, aluminum, brass, and soft steel tubing.*

**Catalog Number:** **93-FB**  
**Price Each:** \$79.95



### 45° Flaring Tool Kit

*For tube ODs 1/8", 3/16", 1/4", 5/16", 3/8", 7/16", 1/2", 5/8" and 3/4" in soft copper, aluminum and brass tubing.*

Has 2 flaring bars and a yoke. Swivel-type flaring cone minimizes effort, even on tough-to-flare tubing. Comes with plastic carrying case.

**Catalog Number:** **375-FS**  
**Price Each:** \$115.95

Search [www.lesman.com](http://www.lesman.com) for tool part number



## Tube Cutting and Bending Tools



### TC1050 "Imp" Tube Cutter

Designed for use in tight quarters where other cutters won't fit. Perfect for instrument control cabinets, refrigeration units, cold boxes, freezers, air conditioners, heaters, machine tools, and more. Satin finish.

Requires a 1 1/4" swing radius.

**Description**

For cutting 1/8" to 5/8" O.D. tube  
TC-1050 Replacement Cutter Wheel

Catalog No.	Price
<b>L</b> TC-1050	\$19.49
<b>L</b> S32633	22.98

### 206FB Adjust-O-Matic Tube Cutter

**For 3/8" to 2 5/8" O.D. tubing** in soft copper, brass, thin-wall steel, aluminum, monel, or titanium.

Ratchet feed mechanism speeds cutting — opens quickly to insert tubing and slides to cutting position instantly. Extra wide rollers with flare cut-off groove stabilize tubing.

Spare cutting wheel included in handle recess. Enclosed screw-type feed mechanism.



**Description**

Adjust-O-Matic Tube Cutter  
Extra Wheels

Catalog No.	Price
206-FB	\$82.95
<b>L</b> S74761	53.55

### TC1000 Hi-Duty Tube Cutter

**For cutting 1/8" to 1-1/8" O.D. tubing** in hard or soft copper, aluminum, brass, thin wall steel, stainless steel, monel, or titanium.

Makes clean, right-angle cuts with no burrs or chips to clog tubing. Roller has flare cut-off groove, fold-away reamer and spare cutting wheel. Rugged aluminum alloy body designed for handling ease. Has satin finish nickel-chrome plated body.



**Don't forget to order extra cutting wheels for your TC1000.**

**Description**

Hi-duty tube cutter for 1/8" to 1-1/8" OD tubing.  
Extra cutting wheel, standard  
Extra wheel for stainless steel tubing

Catalog No.	Price
<b>L</b> TC-1000	\$37.49
<b>L</b> S75015	5.75
<b>L</b> S75046	7.38

### Big Imp Tube Cutter

**For tubing 3/8" to 1-1/8" O.D.**

Requires less than a 2" swing radius when cutting tubing under 1" in diameter. Aluminum alloy body with black finish and brushed highlights.

**Catalog No.:** 174-F **Price:** \$35.55



### Lever-Type Tube Benders

Open side construction allows you to slip the bender over the tube at any point. Make smooth short radius bends to 180° with minimal effort. No marking, scraping or flattening the tube. Calibrated to show angle of bend.

Fixed hook tube benders furnished for 1/8" to 3/4" OD sizes have easy 90° starts, which require less effort to make fast, accurate bends.



**For Copper, Aluminum, Brass, and Steel**

**Each tool bends only one size.**

**Call Lesman for bending tools for tube ODs larger than 1/2".**

Tube OD	Nominal Size	Radius to Center of Tube	Catalog Number	Price Each
1/8"		3/8"	<b>L</b> 364-FH-02	\$54.15
3/16"		7/16"	<b>L</b> 364-FH-03	56.35
1/4"	1/8"	9/16"	364-FHB-04	76.95
5/16"		11/16"	364-FHB-05	93.25
3/8"	1/4"	15/16"	<b>L</b> 364-FHB-06	83.35
1/2"	3/8"	1 1/2"	<b>L</b> 364-FHB-08	135.95
1/4"		9/16"	<b>L</b> 364-FHA-04	68.55
3/8"		15/16"	<b>L</b> 364-FHA-06	69.96
1/2"		1-1/2"	364-FHA-08	126.35



### Reamer and Deburring Tool

Reams both inside and outside edges of tube with three hollow ground tool steel cutters. Fluted body is shaped to fit comfortably in your palm.

**Description**

For copper, aluminum and brass tubing  
Stainless model for aircraft grade stainless steel tubing, hard or soft copper, brass and steel tubing

Catalog Number	Price Each
<b>L</b> 208-F	\$27.85
<b>L</b> 208-FSS	89.95



### Triple Header Benders

**For soft copper, aluminum, brass, and steel tubing**

Both sizes come with calibrated markings for making accurate left-hand, right-hand and offset bends. Swivel handles allow 90° starts — making bending fast and easy.

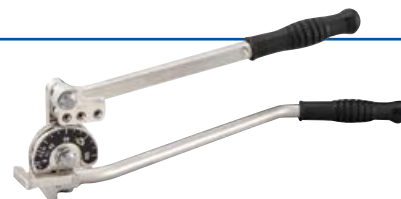
**Description**

For 1/8", 3/16", 1/4" OD tubing. 9/16" radius to center.  
For 1/4", 5/16", 3/8" OD tubing. 11/16" radius to center.

Catalog Number	Price Each
<b>L</b> 367-FH	\$34.85
<b>L</b> 368-FH	41.25

### Heavy Wall Tube Bender

**Tube bender for heavy wall carbon steel and stainless steel tubing.**



Tube OD	Bend Radius	Catalog Number	Price
3/8"	1-1/8"	564-FH-06	\$399.95
1/2"	1-1/2"	564-FH-08	396.95