




Tube Nuts (Fittings)

When ordering stainless fittings add "s" in front of part #

Part #	Tube Size	Thread	Hex	Stainless Steel	O.E.M Steel
TN-1	3/16"	3/8-24 per in	3/8"	\$2.00 each	\$0.50 each - Gold
TN-2	3/16"	3/8-24 per in	7/16"		\$0.50 each - Gold
TN-3	3/16"	3/8-24 per in	7/16"	\$2.90 each	\$0.50 each - Purple
TN-4	3/16"	1/2-20 per in	1/2"	\$3.50 each	\$0.75 each - Black
TN-5	3/16"	1/2-20 per in	9/16"	\$4.50 each	\$0.75 each - Green
TN-6	3/16"	7/16-24 per in	7/16"	\$3.50 each	\$0.75 each - Red
TN-7	3/16"	9/16-18 per in	5/8"	\$3.50 each	\$0.75 each - Olive
TN-8	3/16"	9/16-20 per in	9/16"		\$2.00 each - Dark Blue
TN-9	3/16"	1/2-20 per in	9/16"		\$1.50 each - Violet
TN-10	3/16"	3/8-24 per in	7/16"Long		\$2.00 each - Gold
TN-11	3/16"	3/8-24 per in	3/8" Long		\$2.00 each - Black
TN-12	1/4"	7/16-24 per in	7/16"	\$3.50 each	\$0.75 each - Gold
TN-13	1/4"	1/2-20 per in	9/16"	\$3.50 each	\$0.75 each - Orange
TN-14	1/4"	9/16-18 per in	9/16"	\$3.50 each	\$0.75 each - Blue
TN-15	5/16"	1/2-20 per in	1/2"	\$4.00 each	\$0.75 each - Gold
TN-16	5/16"	1/2-20 per in	1/2" Long		\$2.00 each - Black
TN-17	5/16"	1/2-20 per in	5/8" Female		\$2.00 each - Black
TN-18	5/16"	1/2-20 per in	5/8" Female		\$2.00 each - Gold
TN-19	5/16"	5/8-18 per in	5/8"		\$2.00 each - Red
TN-20	3/8"	5/8-18 per in	5/8"	\$4.50 each	\$2.00 each - Gold
TN-21	3/16" Inv.	3/8-24 per in	10 mm	45 Inv. Flare	\$2.00 each - Red
TN-22	3/16"	10mm x 1.0	10 mm	45 Flare	\$2.00 each - Violet - Blue
TN-23	3/16"	3/8-24 per in	3/8" Long		\$2.00 each - Gold
TN-24	4.75 / 3/16"	10mm x 1.0	10mm	150 Flare	\$2.25 each
TN-25	4.75 / 3/16"	11mm x 1.0	11mm		\$9.00 each
TN-26	4.75 / 3/16"	11mm x 1.5	11mm		\$3.30 each
TN-27	4.75 / 3/16"	12mm x 1.0	12mm		\$3.15 each
TN-28	6.0 / 1/4"	12mm x 1.0	12mm		\$4.50 each
TN-29	6.0 / 1/4"	12mm x 1.5	12mm		\$3.00 each
TN-30	4.75 / 3/16"	13mm x 1.5	13mm		\$3.00 each
TN-31	6.0 / 1/4"	14mm x 1.5	14mm		\$3.50 each
TN-32	1/4"	7/16-20 per in	11mm		\$3.00 each
TN-33	3/8"	16mm x 1.5	3/8"	GM O-Ring 3/8"	\$3.50 each
TN-34	5/16"	14mm x 1.5	3/8"	GM O-Ring 5/16"	\$3.50 each
TN-41	3/16"	3/8-24 long	3/8"		\$1.00 each
TN-43	1/4"	7/16-24 long	7/16"		\$1.50 each
TN-54	1/2"	3/4-18	3/4"		\$2.50 each
TN-52	7/16"	11/16-18	11/16"		\$3.50 each

Straight Tube with or without Fittings

All straight Length includes the end fittings and flared tubes

.028 Wall Thickness 

Stainless Tubing Per Foot		
SOD3/16	3/16" Tube	\$2.95 per/ft
SOD1/4	1/4" Tube	\$2.95 per/ft
SOD5/16	5/16" Tube	\$2.95 per/ft
SOD3/8	3/8" Tube	\$2.95 per/ft
SOD1/8	1/8" Tube	\$3.60 per/ft
SOD7/16	7/16" Tube	\$3.60 per/ft
SOD1/2	1/2" Tube	\$3.60 per/ft

Steel Tubing Per Foot		
OD3/16	3/16" Tube	\$1.25per/ft
OD1/4	1/4" Tube	\$1.25per/ft
OD5/16	5/16" Tube	\$1.25per/ft
OD3/8	3/8" Tube	\$1.25per/ft



Stainless Armorguard Per Foot		
SID3/16	3/16" Spring	\$3.00 per/ft
SID1/4	1/4" Spring	\$3.00 per/ft
SID5/16	5/16" Spring	\$3.00 per/ft
SID3/8	3/8" Spring	\$3.00 per/ft

Steel Armorguard Per Foot		
ID3/16	3/16" Spring	\$1.50 per/ft
ID1/4	1/4" Spring	\$1.50 per/ft
ID5/16	5/16" Spring	\$1.50 per/ft
ID3/8	3/8" Spring	\$1.50 per/ft

All tubing and spring armorguard is available in foot increments up to 20' in length.

Stainless Steel Lengths of Tube

Outside Dia. of Tube	Length of Tube							
	8"	12"	20"	30"	40"	50"	60"	72"
3/16"	\$6.00	\$7.00	\$9.00	\$11.50	\$14.00	\$16.50	\$19.00	\$22.00
All 3/16" Tubes Come With (2) STN-1 Fittings, STN-1 3/8-24, 3/8" HEX								
1/4"	\$8.00	\$9.00	\$11.00	\$13.50	\$16.00	\$18.50	\$21.00	\$24.00
All 1/4" Tubes Come With (2) STN-12 Fittings, STN-12 7/16-24, 7/16" HEX								
5/16"	\$9.00	\$10.00	\$12.00	\$14.50	\$17.00	\$19.50	\$22.00	\$25.00
All 5/16" Tubes Come With (2) STN-15 Fittings, STN-15 1/2-20, 1/2" HEX								
3/8"	\$10.50	\$11.50	\$13.50	\$15.50	\$18.50	\$21.00	\$23.50	\$26.50
All 3/8" Tubes Come With (2) STN-20 Fittings STN-20 5/8-18 5/8" HEX								

When ordering lengths of tube part # = 3/16 (size) 30 (length) example 3/16 steel tube, 3/16 dia, 30" long.

When ordering stainless tube lengths, please place an "s" in front of the part number.

O.E.M. Steel Lengths of Tube

Outside Dia. of Tube	Length of Tube							
	8"	12"	20"	30"	40"	50"	60"	72"
3/16"	\$1.83	\$2.25	\$3.00	\$4.00	\$5.15	\$6.20	\$7.25	\$8.50
All 3/16" Tubes Come With (2) TN-1 Fittings, TN-1 3/8-24, 3/8" HEX								
1/4"	\$2.33	\$2.75	\$3.50	\$4.50	\$5.65	\$6.70	\$7.75	\$9.00
All 1/4" Tubes Come With (2) TN-12 Fittings, TN-12 7/16-24, 7/16" HEX								
5/16"	\$3.33	\$3.75	\$4.50	\$5.50	\$6.65	\$7.70	\$8.75	\$10.00
All 5/16" Tubes Come With (2) TN-15 Fittings, TN-15 1/2-20, 1/2" HEX								
3/8"	\$4.83	\$5.25	\$6.00	\$7.00	\$8.15	\$9.20	\$10.25	\$11.50
All 3/8" Tubes Come With (2) TN-20 Fittings TN-20 5/8-18 5/8" HEX								

When ordering lengths of tube part # = 3/16 (size) 30 (length) example 3/16 steel tube, 3/16 dia, 30" long.

Tube Nut Identification

A few component combinations and fitting references

3/8-24 3/16"tube

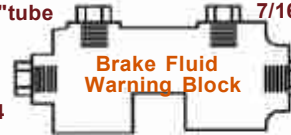
TN-1 Gold
TN-5 Green 1/2-20 3/16"tube
TN-12 Gold 7/16-24 1/4"tube



TN-5 Green 1/2-20 3/16"tube

TN-12 Gold 7/16-24 1/4"tube

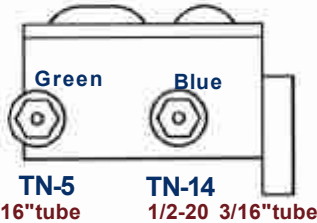
TN-1 Gold 3/8-24 3/16"tube



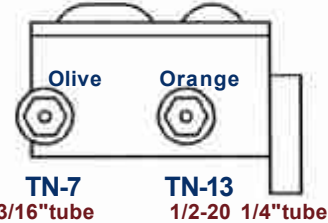
TN-1 Gold 3/8-24 3/16"tube

TN-1 Gold 3/8-24 3/16"tube

Gm Master Cylinder 1967-90



Gm Master Cylinder Late



Note:
When ordering tube nuts, be sure to check the nut or component with a die or thread gauge. These drawings are only a guide and may vary.

GM Components

Most aftermarket components are based on the GM factory component, such as Corvette master cylinder and prop valve. See chart on tube nut page to cross reference nuts.

Note:
Most components, such as wheel cylinders and brake calipers, use a TN-1.

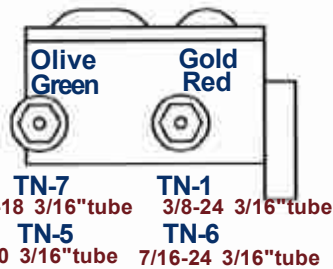
3/8-24 3/16"tube

TN-1 Gold
TN-1 Gold 3/8-24 3/16"tube
TN-6 Red 7/16-24 3/16"tube
TN-7 Olive 9/16-18 3/16"tube

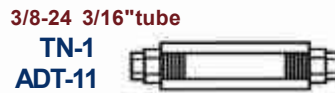


TN-1 Gold 3/8-24 3/16"tube

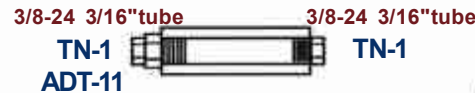
Ford Master Cylinder



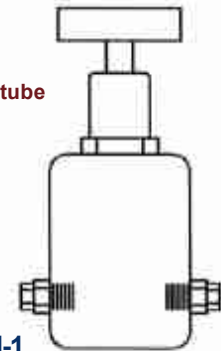
Residual Pressure Valve



Adjustable Proportioning Valve



When using 1/4 tube replace ADT-11 with ADT-12 & TN-1 with TN-12



TN-1 ADT-11 3/8-24 3/16"tube
TN-1 ADT-11 3/8-24 3/16"tube

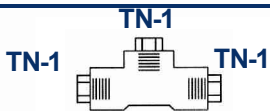
Ford Components

Most non-factory components are designed to use pipe thread, so these will require adapters to convert from pipe thread to inverted flare.

Note: Most components such as wheel cylinders, brake calipers, use a TN-1.

Non Factory

Most non-factory components are designed to use pipe thread, so these will require adapters to convert from pipe thread to inverted flare.



Line tee 3/16 tube

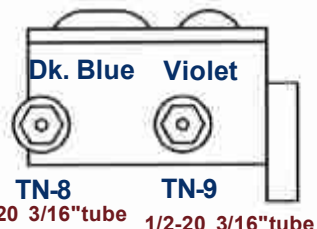
Note:
To convert any 3/16 tube side to 1/4 tube use adapter ADT-9 with TN-12



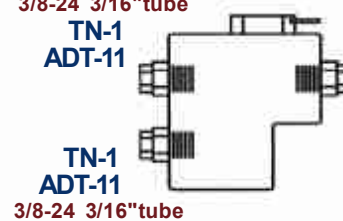
Line tee 1/4 tube

Note:
To convert any 1/4 tube side to 3/16 tube use adapter ADT-10 with TN-1.

Mopar Master Cylinder



Hold off Valve



3/8-24 3/16"tube
TN-1 ADT-11

When using 1/4 tube replace ADT-11 with ADT-12 & TN-1 with TN-12



Thru the frame fitting

Note: Most components such as: wheel cylinders, brake calipers, use a TN-1 3/8-24.

Mopar Component

Most non-factory components are designed to use pipe thread, so these will require adapters to convert from pipe thread to inverted flare.

Non Factory

Most non-factory components are designed to use pipe thread, so these will require adapters to convert from pipe thread to inverted flare.

45 Deg Flare

Step 1



File the outside edge

Step 2



File the inside edge

Step 3



Push the tube to the top of the button



Step 4

When all steps are followed your done



Bending Tools

Tools for Each Size: 1/4", 5/16", 3/8", 1/2" Tube

Swivel handel may be repositioned to regain leverage for bends greater than 90. These tools are the professional's first choice because they provide a tighter bend with a smaller radius.

TLB09	1/4" Bender	\$65.00
TLB10	5/16" Bender	\$75.00
TLB11	3/8" Bender	\$75.00
TLB12	1/2" Bender	\$115.00



Bending Tools

Tools for Each Size: 3/16", 1/4", 5/16", 3/8", 1/2" Tube

These individual benders are designed each for a different size tube. These tools are the professional's first choice because they provide a tighter bend with a smaller radius.

TLB02	3/16" Bender	\$70.00
TLB03	1/4" Bender	\$70.00
TLB04	5/16" Bender	\$80.00
TLB05	3/8" Bender	\$80.00
TLB06	1/2" Bender	\$115.00

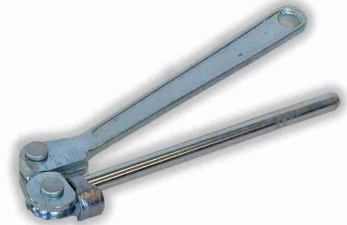


Tri Bender Tool

One Tool That Bends Sizes: 1/4", 5/16", 3/8" Tube.

This tool is designed as a tri-bender for three different sizes of tube. A 90 degree start angle minimizes effort required to form a bend. This bender may also be used for 3/16" tube.

TLB01	Tri-Bender	\$45.00
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Small Radius 3/16" Bender

The smallest radius bender on the market. This tool will bend 3/16" tube in a 1 1/8" diameter circle. This tool is great for tight bends where space is limited and quick 90 degree bends are needed, like; off masters, front hoses or wheel cylinders.

TLB07	Small 3/16" Bender	\$41.00
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Quick Tip: Tubing

Tips For a Perfect Flare

All these tools will perform the same on Inline Tube's stainless steel. Our tube is fully softened from the mill. Only Inline Tube has the buying power to order the quantity of tube that is required to specify the grade and softness. All other tube companies use a general off the shelf grade which is a much harder specification. There is a difference. At Inline Tube we bend over a million feet of tube, using 350,000 tube nuts and 100,000 feet of spring wrap each year.

We are the brake plumbing experts.

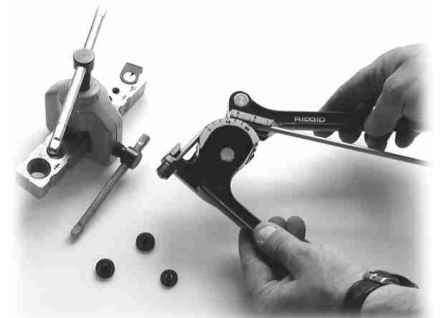


45 Deg Replacement Parts

Buttons: 3/16", 1/4", 5/16", 3/8", 1/2" Tube

These are replacement 45 degree flare tool buttons. If the button is overtightened against the die block or if there is not enough tube advanced through the die block the button will break.

FTB01	3/16" Button	\$7.00
FTB02	1/4" Button	\$7.00
FTB03	5/16" Button	\$7.00
FTB04	3/8" Button	\$8.00
FTB05	1/2" Button	\$8.00



To bend your own lines refer to our straight length section. We offer everything you need from the tube, fittings, hoses, clamps and all the tools to get the job done right.



Hydraulic Flare Tool 4 in 1

One Tool Flares: 3/16", 1/4", 5/16", 3/8" Tubing

This tool is a hydraulic flare tool for the mechanic's garage, muffler shop, or general repair shop. This tool fabricates push connect, GM O-ring fuel flares, 45 deg double flare and the metric bubble flare; all in one tool. This tool uses a hydraulic cylinder so you can form the end of the tube with very little effort.

Double Flare	3/16", 1/4", 5/16", 3/8", 1/2"
Push Connect	1/4", 5/16", 3/8", 1/2"
GM O-Ring Flare	5/16", 3/8"
Metric Bubble Flare	4.75mm, 6mm, 8mm, 10mm

TLF04 Hydraulic 4 in 1 Flaring Tool \$425.00



Hydraulic Flare Tool 2 in 1

One Tool Flares: 3/16", 1/4", 5/16", 3/8" Tubing

This tool is a hydraulic flare tool for the mechanic's garage, muffler shop, or general repair shop. This tool fabricates 45 degree double flare and the metric bubble flare; all in one tool. This tool uses a hydraulic cylinder so you can form the end of the tube with very little effort.

Double Flare	3/16", 1/4", 5/16", 3/8", 1/2"
Metric Bubble Flare	4.75mm, 6mm, 8mm, 10mm

TLF05 Hydraulic 2 in 1 Flaring Tool \$385.00

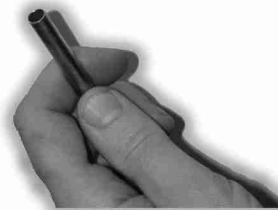
Quick Tip: Tubing

Tips For a Perfect Flare

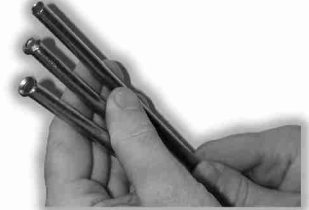
When flaring tube it is important to read all of the instructions carefully. Before you flare the tube, deburr and chamfer both edges of the tube, this allows the tube to roll over and create a smooth edge.

To deburr the inside edge use a drill or file and rotate the file in the opening of the tube, the outside edge can be done with a standard file. Tube cracking is caused when the tube is not properly deburred.

Do not cut tube with a tube cutter. If the cutter is dull, it hardens the end of the tube, causing flaring to be very difficult. Flaring tube takes practice and an understanding of how the tools works. Once the practice is put in the understanding will come.



Start with a straight cut



Easy as one two three- done



Inline Tube is the industry leading manufacturer of preformed tubing.



45 Deg. Flare Tool

One Tool Flares: 3/16", 1/4", 5/16", 3/8", 1/2" Tubing

This tool is designed for double flare 45 degree flare applications. This tool provides smooth, uniform flares for automotive connections using steel or stainless tubing. This tool comes complete with all flare buttons, hard plastic case and instructions.

TLF02 45 Deg Flare Tool \$85.00



Metric Bubble Flare Tool

One Tool Bubble Flares: 3/16", 1/4", 5/16", 3/8" Tubing

This tool is designed for metric bubble flare applications. This tool provides smooth, uniform flares for import automotive connections, using steel or stainless tubing. This tool comes complete with all flare buttons, hard plastic case and instructions.

TLF03 Metric Flare Tool \$85.00



37 Deg. Flare Tool

One Tool Flares: 3/16", 1/4", 5/16", 3/8", 1/2" Tubing

This tool is designed for single flare 37 deg flare applications. This tool provides smooth, uniform flares for -AN (army / navy) connections, using steel or stainless tubing. This tool has an exclusive off set flaring head that works the tubing out slowly with out splitting. The automatic stop assures a perfect flare every time.

TLF01 37 Deg Flare Tool \$125.00