

## BANJO BOLTS

Package contains 1 banjo bolt and 2 copper gaskets

## BLEEDER SCREWS

# BRAKE LINE SOLUTIONS

Brake Hose Banjo Bolts	Length (from underhead)	Thread Size
H9471-2	20.3mm (.80")	M10 x 1.0
H9476-2	21.3mm (.84")	M12 x 1.0
H9485-2	22.4mm (.88")	3/8" - 24
H9458-2	23.4mm (.92") w/H9435 gasket	M10 x 1.5
H9457-2	23.4mm (.92")	7/16" - 20
H9477-2	23.4mm (.92")	M10 x 1.0
H9468-2	23.9mm (.94")	M11 x 1.25
H9486-2	24.1mm (.95")	M10 x 1.25
H9469-2	24.9mm (.98")	M10 x 1.5
H9472-2	26.2mm (1.03")	3/8" - 24
H9470-2	27.22mm (1.07")	M10 x 1.5
H9473-2	27.4mm (1.08")	M10 x 1.0
H9459-2	27.7mm (1.09")	7/16" - 20
H9487-2	28.9mm (1.14")	7/16" - 24
H9478-2	31.0mm (1.22")	M10 x 1.0
H9479-2	31.2mm (1.23")	M10 x 1.5
H9449-2	23.4mm w/H9434 gasket	M10 x 1.5
H9466-2	21.3mm (.84")	M10 x 1.0
H9474-2	23.6mm (.93")	7/16" - 20
H9488-2	24.1mm (.95")	M10 x 1.0

H9400-2 3/8" 3/8"-24 1.49"	H9411-2 8mm (M10 x 1.0) 31.5mm	H9428-2 8mm (M8 x 1.25) 35.3mm
H9401-2 3/8" 3/8"-24 1.50"	H9412-2 10mm (M10 x 1.0) 35.8mm	H9430-2 8mm (M8 x 1.00) 29.7mm
H9402-2 3/8" 3/8"-24 1.18"	H9413-2 8mm (M7 x 1.0) 37.6mm	H9481-2 7/16" 7/16"-24 1.57"
H9403-2 5/16" 5/16"-24 1.01"	H9415-2 7/16" 7/16"-20 1.37"	H9482-2 10mm (M10 x 1.5) 38.5mm
H9404-2 1/4" 1/4"-28 0.920"	H9416-2 8mm (M8 x 1.0) 37.3mm	H9483-2 7/16" 7/16"-24 1.42"
H9405-2 8mm (M8 x 1.25) 25.1mm	H9417-2 5/16" 1/4"-28 1.13"	H9484-2 9mm (M8 x 1.25) 41.5mm
H9406-2 10mm (M10 x 1.5) 29.2mm	H9419-2 3/8" 5/16"-24 1.19"	H9494-2 7mm (M7 x 1.0) 28.7mm
H9407-2 10mm (M10 x 1.0) 29.2mm	H9421-2 10mm (M10 x 1.25) 33.1mm	H9495-2 7/16" 7/16"-24 1.10"
H9409-2 10mm (M10 x 1.0) 32.8mm	H9422-2 8mm (M8 x 1.25) 30.2mm	H9497-2 11mm (M10 x 1.00) 28.8mm
H9410-2 10mm (M10 x 1.0) 35.1mm	H9427-2 7/16" 7/16"-24 1.47"	

Package contains 2 bleeder screws

## STANDARD ADAPTERS

Standard Adapters	Line Diameter (Female x Male)	Adapter Size (Female x Male)
H8026	3/16" x 1/4"	3/8"-24 x 7/16"-24
H8027	1/4" x 3/16"	7/16"-24 x 3/8"-24
H8028	3/16" x 5/16"	3/8"-24 x 1/2"-24
H8029	1/4" x 5/16"	7/16"-24 x 1/2"-20
H8030	3/16" x 3/16"	3/8"-24 x 9/16"-20

## FORMED CROSS-OVER TUBE

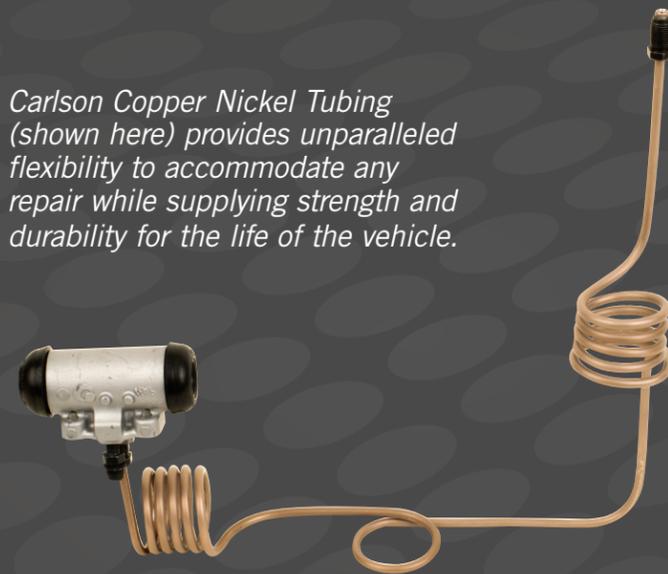
Part Number	Application	FMSI Ref. No.	Brake Type
H8371	GM Medium Trucks	D769/D1032/D1845	Disc Brake
H8374	Ford Medium Trucks	D769/D1032/D1845	Disc Brake
H8329	Ford Medium Trucks	S401 (15x4) S400 (15x5) S384 (16x4) S385 (16x5) S386 (16x6)	Drum Brake
H8327	Ford Medium Trucks	S542 (LH) (15x5) S543 (LH) (15x6) S544 (LH) (15x7)	Drum Brake
H8324	Ford Medium Trucks	S542 (RH) (15x5) S543 (RH) (15x6) S544 (RH) (15x7)	Drum Brake
H8375	GM, Ford	D1050 (LH)	Disc Brake
H8376	GM, Ford	D1050 (RH)	Disc Brake
H8377	Chrysler, GM	D1053	Disc Brake



## THE BENDABLE, DEPENDABLE BRAKE TUBING

### AUTOMOTIVE, FARM AND INDUSTRIAL APPLICATIONS

Carlson Copper Nickel Tubing (shown here) provides unparalleled flexibility to accommodate any repair while supplying strength and durability for the life of the vehicle.



## COPPER NICKEL TUBING

USING CARLSON COPPER NICKEL BRAKE TUBING SAVES YOU TIME AND MONEY.

- Easy to bend and manipulate with tight tolerances
- Easy to install
- Durable
- Does not rust
- Highest burst strength

Greater wall thickness than the leading competitors!



Available in two sizes:  
**H8300NC** 3/16" x 25' coil  
**H8400NC** 1/4" x 25' coil

Designed and manufactured to the highest quality.

## DOMESTIC & METRIC ASSEMBLED STEEL BRAKE LINES

Carlson Brake Lines come standard with PVF Technology-Poly Vinyl Fluoride Coating:

- Up to 30x Rust and Corrosion Protection over standard steel lines
- Meets SAE J527B specifications

	Standard 3/16" Poly Steel Brake Lines Inverted Flare	Standard 1/4" Poly Steel Brake Lines Inverted Flare	Standard 5/16" Poly Steel Brake Lines Inverted Flare	Standard 3/8" Poly Steel Brake Lines Inverted Flare
8"	H8308	H8408	H8508	H8608
12"	H8312	H8412	H8512	H8612
20"	H8320	H8420	H8520	H8620
30"	H8330	H8430	H8530	H8630
40"	H8340	H8440	H8540	H8640
51"	H8351	H8451	H8551	H8651
60"	H8360	H8460	H8560	H8660
72"	H8372	H8472	H8572	H8672

	Import/Domestic 6mm Poly Brake Line with Bubble Flare, Metric Thread	Japanese Poly Brake Line with Inverted Flare - Metric Thread	British Poly Brake Line with Bubble Flare - Standard Thread	European Poly Brake Line with Bubble Flare - Metric Thread
8"	H8108	H8808	H8908	H8708
12"	H8112	H8812	H8912	H8712
20"	H8120	H8820	H8920	H8720
30"	H8130	H8830	H8930	H8730
40"	H8140	H8840	H8940	H8740
51"	H8151	H8851	H8951	H8751
60"	H8160	H8860	H8960	H8760

Lines per package    3/16" = 10 / pack    1/4" = 5 / pack    5/16" = 5 / pack    3/8" = 5 / pack    Metric = 10 / pack

## 25 FOOT POLY COILED STEEL TUBING

	Hydraulic Brake Line Dual Wall Tubing
3/16" X 25' COIL	H8300
1/4" X 25' COIL	H8400
5/16" X 25' COIL	H8500
3/8" X 25' COIL	H8600
6mm X 25' COIL	H8100



Coiled steel tubing that bends and flares easily. This tubing can be used for automotive, farm, and industrial applications. Packaged in 25' coils in 5 popular diameters.

## BRAKE LINE ASSORTMENTS

Floor Racks	Line Size	Contents	Wall Racks	Line Size	Contents
H9034 Domestic	3/16"	Contains one tube of each size in lengths of 8", 12", 20", 30", 40", 51", 60"	H9035	3/16" Inverted Flare	10 lines of each 8, 12, 20, 30, 40, 51, 60"
	1/4"			1/4" Inverted Flare	
	5/16"			5/16" Inverted Flare	
H9090 Domestic, Japanese & Euro	3/8"	Contains one tube of each size in lengths of 8", 12", 20", 30", 40", 51", 60"	H9037	5/16" Inverted Flare	10 lines of each 8, 12, 20, 30, 40, 51"
	1/4"		H9038	3/8" Inverted Flare	
			H9066	European Bubble Flare Metric	
	5/16"		H9067	Japanese Inverted Flare Metric	
			3/8"	H9068	



## UNIONS



Unions	Tube Size	Thread Size
H8006	3/16"	3/8 - 24
H8007	1/4"	7/16 - 24
H8017	5/16"	1/2 - 20
H8018	3/8"	5/8 - 18

## ADAPTER BRAKE LINES w/ PVF

Adapter Brake Lines w/ PVF		Quantity per Tube
H8314	3/16 Inverted to 1/4 Inverted (3/8" - 24th to 7/16" - 24th)	10
H8315	3/16 Inverted to 1/4 Inverted (3/8" - 24th to 1/2" - 20th)	10
H8316	3/16 Inverted to 5/16 Inverted (3/8" - 24th to 1/2" - 20th)	10
H8317	3/16 Inverted to 5/8 Inverted (3/8" - 24th to 9/16" - 18th)	5
H8414	1/4 Inverted to 5/8 Inverted (7/16" - 24th to 9/16" - 18th)	5
H8415	1/4 Inverted to 7/16 - 24th	10
H8416	1/4 Inverted to 5/16 Inverted (7/16" - 24th to 1/2" - 20th)	10
H9039	One Tube Each of the 7 Adapter Lines	

## IMPORT FLARE UNIONS

Import Flare Unions	Bubble Flare Seat	Thread Size
H8008	3/16 (3/8 - 24)	3/16 (3/8 - 24)
H8009	3/16 (10mm x 1.0)	10mm x 1.0
H8010	3/16 (10mm x 1.0)	10mm x 1.0
H8000	6mm	12mm x 1.0

## FLARE NUTS

Metric Brake Lines Flare Nuts	Tube Size / Type	Thread Size
H8015	3/16 Inverted Flare	10mm x 1.0
H8031	3/16 Inverted Flare	10mm x 1.00
H8032	3/16 Inverted Flare	10mm x 1.0 Toyota/GM
H8033	3/16 Inverted Flare	10mm x 1.0 Toyota
H8034	3/16 Inverted Flare	10mm x 1.0 Japanese
H8016	3/16 Bubble Flare	3/8 - 24 British
H8036	3/16 Bubble Flare	10mm x 1.0 Euro/Domestic
H8002	3/16 Bubble Flare	10mm x 1.0 VW/Audi
H8039	3/16 Bubble Flare	12mm x 1.0 GM/Ford
H8040	3/16 Bubble Flare	13mm x 1.5 GM/Ford
H8041	3/16 Bubble Flare	11mm x 1.5 GM/Ford
H8042	6mm Bubble Flare	12mm x 1.0
H8043	6mm Bubble Flare	12mm x 1.5
H8044	6mm Bubble Flare	14mm x 1.0

## ADAPTERS



Adapters Metric to Metric Bubble Flare	Female Inverted Flare Set	Male Inverted Flare Set
H8019	3/16 (10mm x 1.0)	11mm x 1.5
H8020	3/16 (10mm x 1.0)	12mm x 1.5
H8021	3/16 (10mm x 1.0)	13mm x 1.5

## COMPRESSION UNIONS



Compression Unions	Line Size
H8022	3/16"
H8023	1/4"
H8024	5/16"
H8025	3/8"
H8058	1/2"

## STEEL TUBE NUTS

Steel Tube Nuts Standard	Tube Size	Hex Size	Thread Size
H8004	3/16"	3/16"	3/8"-24
H8005	1/4"	7/16"	7/16"-24
H8011	5/16"	1/2"	1/2"-20
H8012	3/8"	5/8"	5/8"-18

Steel Tube Nuts Long	Tube Size	Hex Size	Thread Size
H8001	3/16"	3/8"	3/8"-24
H8013	1/4"	7/16"	7/16"-24
H8014	3/8"	5/8"	5/8"-18

Steel Tube Nuts Oversize Hex	Tube Size	Hex Size	Thread Size
H8045	3/16"	7/16"	7/16"-24
H8046	3/16"	1/2"	1/2"-20
H8047	3/16"	9/16"	1/2"-20
H8048	3/16"	5/8"	9/16"-18
H8049	1/4"	9/16"	9/16"-18
H8050	1/4"	7/16"	7/16"-24
H8057	1/4"	1/2"	1/2"-20