

BRAKE LINE SOLUTIONS

**THE BENDABLE,
DEPENDABLE
BRAKE TUBING**

**AUTOMOTIVE, FARM
AND INDUSTRIAL
APPLICATIONS**

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

MATERIAL OPTIONS:



Zinc Coated Steel Tubing

PVF Coated Tubing

Copper Nickel Tubing

LINES, ADAPTERS & FITTINGS:

- Assembled Lines
- Coiled Tubing
- Adapter Lines
- Adapter Fittings
- Tube Nuts
- Unions
- Misc. Fittings
- Banjo Bolts
- Bleeder Screws
- Formed Cross-over Tubes



BLEEDER SCREWS

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

BANJO BOLTS

Package contains 1 banjo bolt and 2 copper gaskets



Brake Hose Banjo Bolts	Length (from underhead)	Thread Size
H507-2	23.4mm (.92")	M10 x 1.50
H508-2	23.4mm (.92")	M10 x 1.00
H509-2	29.97mm (1.18")	M10 x 1.00
H9449-2	23.4mm (.92")	M10 x 1.5
H9457-2	23.4mm (.92")	7/16" - 20
H9458-2	23.4mm (.92")	M10 x 1.5
H9459-2	27.7mm (1.09")	7/16" - 20
H9466-2	21.3mm (.84")	M10 x 1.0
H9468-2	23.9mm (.94")	M11 x 1.25
H9469-2	24.9mm (.98")	M10 x 1.5
H9471-2	20.3mm (.80")	M10 x 1.0
H9472-2	26.2mm (1.03")	3/8" - 24
H9473-2	27.4mm (1.08")	M10 x 1.0
H9474-2	23.6mm (.93")	7/16" - 20
H9476-2	21.3mm (.84")	M12 x 1.0
H9477-2	23.4mm (.92")	M10 x 1.0
H9478-2	31.0mm (1.22")	M10 x 1.0
H9479-2	31.2mm (1.23")	M10 x 1.5
H9485-2	22.4mm (.88")	3/8" - 24
H9486-2	24.1mm (.95")	M10 x 1.25
H9487-2	28.9mm (1.14")	7/16" - 24
H9488-2	24.1mm (.95")	M10 x 1.0
H9501-2	23.4mm (.92")	M10 x 1.50
H9502-2	23.4mm (.92")	M10 x 1.00
H9503-2	27.22mm (1.07")	M10 x 1.50
H9504-2	18.5mm (.73")	M10 x 1.00
H9505-2	29.5mm (1.16")	M10 x 1.50
H9506-2	24.1mm (.95")	M10 x 1.00

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



ZINC COATED ASSEMBLED LINES

	AGS#	Standard 3/16" Inverted Flare	AGS#	Standard 1/4" Inverted Flare	AGS#	Standard 5/16" Inverted Flare	AGS#	Standard 3/8" Inverted Flare
8"	BL-308	H8308S	BL-408	H8408S	BL-508	H8508S	BL-608	H8608S
12"	BL-312	H8312S	BL-412	H8412S	BL-512	H8512S	BL-612	H8612S
20"	BL-320	H8320S	BL-420	H8420S	BL-520	H8520S	BL-620	H8620S
30"	BL-330	H8330S	BL-430	H8430S	BL-530	H8530S	BL-630	H8630S
40"	BL-340	H8340S	BL-440	H8440S	BL-540	H8540S	BL-640	H8640S
51"	BL-351	H8351S	BL-451	H8451S	BL-551	H8551S	BL-651	H8651S
60"	BL-360	H8360S	BL-460	H8460S	BL-560	H8560S	BL-660	H8660S
72"	BL-372	H8372S	BL-472	H8472S	BL-572	H8572S	BL-672	H8672S

PVF ASSEMBLED LINES

	AGS#	Standard 3/16" Inverted Flare	AGS#	Standard 1/4" Inverted Flare	AGS#	Standard 5/16" Inverted Flare	AGS#	Standard 3/8" Inverted Flare
8"	PA-308	H8308	PA-408	H8408	PA-508	H8508	PA-608	H8608
12"	PA-312	H8312	PA-412	H8412	PA-512	H8512	PA-612	H8612
20"	PA-320	H8320	PA-420	H8420	PA-520	H8520	PA-620	H8620
30"	PA-330	H8330	PA-430	H8430	PA-530	H8530	PA-630	H8630
40"	PA-340	H8340	PA-440	H8440	PA-540	H8540	PA-640	H8640
51"	PA-351	H8351	PA-451	H8451	PA-551	H8551	PA-651	H8651
60"	PA-360	H8360	PA-460	H8460	PA-560	H8560	PA-660	H8660
72"	PA-372	H8372	PA-472	H8472	PA-572	H8572	PA-672	H8672

	AGS#	Import/Domestic 6mm Bubble Flare, Metric Thread	AGS#	Japanese Inverted Flare - Metric Thread	AGS#	British Bubble Flare - Standard Thread	AGS#	European Bubble Flare - Metric Thread
8"	PA-708	H8108	PAJ-308	H8808	PAB-308	H8908	PAE-308	H8708
12"	PA-712	H8112	PAJ-312	H8812	PAB-312	H8912	PAE-312	H8712
20"	PA-720	H8120	PAJ-320	H8820	PAB-320	H8920	PAE-320	H8720
30"	PA-730	H8130	PAJ-330	H8830	PAB-330	H8930	PAE-330	H8730
40"	PA-740	H8140	PAJ-340	H8840	PAB-340	H8940	PAE-340	H8740
51"	PA-751	H8151	PAJ-351	H8851	PAB-351	H8951	PAE-351	H8751
60"	PA-760	H8160	PAJ-360	H8860	PAB-360	H8960	PAE-360	H8760

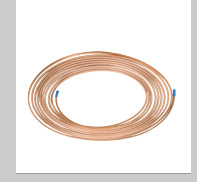
COPPER NICKEL ASSEMBLED LINES

	AGS#	Standard 3/16" Inverted Flare	AGS#	Standard 1/4" Inverted Flare	AGS#	Standard 5/16" Inverted Flare	AGS#	Standard 3/8" Inverted Flare
8"	CN-308	H8308NC	CN-408	H8408NC	CN-508	H8508NC	CN-608	H8608NC
12"	CN-312	H8312NC	CN-412	H8412NC	CN-512	H8512NC	CN-612	H8612NC
20"	CN-320	H8320NC	CN-420	H8420NC	CN-520	H8520NC	CN-620	H8620NC
30"	CN-330	H8330NC	CN-430	H8430NC	CN-530	H8530NC	CN-630	H8630NC
40"	CN-340	H8340NC	CN-440	H8440NC	CN-540	H8540NC	CN-640	H8640NC
51"	CN-351	H8351NC	CN-451	H8451NC	CN-551	H8551NC	CN-651	H8651NC
60"	CN-360	H8360NC	CN-460	H8460NC	CN-560	H8560NC	CN-660	H8660NC
72"	CN-372	H8372NC	CN-472	H8472NC	CN-572	H8572NC	CN-672	H8672NC

	AGS#	Japanese Inverted Flare - Metric Thread	AGS#	British Bubble Flare - Standard Thread	AGS#	European Bubble Flare - Metric Thread
8"	CNJ-308	H8808NC	CNB-308	H8908NC	CNE-308	H8708NC
12"	CNJ-312	H8812NC	CNB-312	H8912NC	CNE-312	H8712NC
20"	CNJ-320	H8820NC	CNB-320	H8920NC	CNE-320	H8720NC
30"	CNJ-330	H8830NC	CNB-330	H8930NC	CNE-330	H8730NC
40"	CNJ-340	H8840NC	CNB-340	H8940NC	CNE-340	H8740NC
51"	CNJ-351	H8851NC	CNB-351	H8951NC	CNE-351	H8751NC
60"	CNJ-360	H8860NC	CNB-360	H8960NC	CNE-360	H8760NC

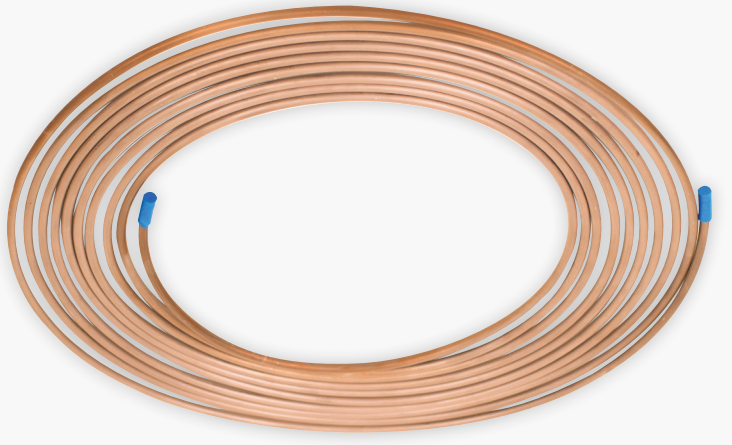
COILED TUBING

Tube Size	AGS#	Hydraulic Brake Line Dual Wall Tubing	Length	Material
3/16	PAC-325	H8300	25'	PVF coated Steel
1/4	PAC-425	H8400	25'	PVF coated Steel
5/16	PAC-525	H8500	25'	PVF coated Steel
3/8	PAC-625	H8600	25'	PVF coated Steel
6mm	PAC-725	H8100	25'	PVF coated Steel
3/16	PAC-350	H8350	50'	PVF coated Steel
1/4	PAC-450	H8450	50'	PVF coated Steel
3/16	CNC-325	H8300NC	25'	Copper Nickel
1/4	CNC-425	H8400NC	25'	Copper Nickel
3/16	CNC-350	H8350NC	50'	Copper Nickel
1/4	CNC-450	H8450NC	50'	Copper Nickel
3/16	CNC-310	H83100NC	100'	Copper Nickel
1/4	CNC-4100	H84100NC	100'	Copper Nickel
3/16	BLC-325	H8300S	25'	Zinc coated Steel
1/4	BLC-425	H8400S	25'	Zinc coated Steel
5/16	BLC-525	H8500S	25'	xxxxxx
3/8	BLC-625	H8600S	25'	xxxxxx



Tubing bends and flares easily. This tubing can be used for automotive, farm, and industrial applications.

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



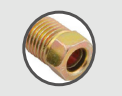
Meets SAE J527B specifications.

POLY 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"			H9036		1/4" Inverted Flare	
	5/16"					5/16" Inverted Flare	
H9090 Domestic, Japanese & Euro	3/16"	Contains one tube of each size in lengths of 8", 12", 20", 30", 40", 51", 60"	H9037	5/16" Inverted Flare	5 lines of each 8, 12, 20, 30, 40, 51, 60"		
	1/4"			H9038		3/8" Inverted Flare	
	5/16"					European Bubble Flare Metric	10 lines of each 8, 12, 20, 30, 40, 51"
	3/8"					Japanese Inverted Flare Metric	
	Japanese European		H9067	British Bubble Flare Standard Thread	10 lines of each 8, 12, 20, 30, 40, 51"		



STANDARD TUBE NUTS

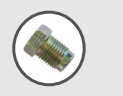


AGS#	Steel Tube Nuts Standard	Tube Size	Hex Size	Thread Size
BLF-12	H8004	3/16"	3/16"	3/8"-24
BLF-13	H8005	1/4"	7/16"	7/16"-24
BLF-14	H8011	5/16"	1/2"	1/2"-20
BLF-15	H8012	3/8"	5/8"	5/8"-18

AGS#	Steel Tube Nuts Long	Tube Size	Hex Size	Thread Size
BLF-10	H8001	3/16"	3/8"	3/8"-24
BLF-16	H8013	1/4"	7/16"	7/16"-24
—	H8014	3/8"	5/8"	5/8"-18

AGS#	Steel Tube Nuts Oversize Hex	Tube Size	Hex Size	Thread Size
BLF-11	H8045	3/16"	7/16"	7/16"-24
BLF-41	H8046	3/16"	1/2"	1/2"-20
BLF-44	H8047	3/16"	9/16"	1/2"-20
BLF-42	H8048	3/16"	5/8"	9/16"-18
BLF-43	H8049	1/4"	9/16"	9/16"-18
BLF-65	H8050	1/4"	7/16"	7/16"-24
BLF-44	H8057	1/4"	1/2"	1/2"-20

METRIC TUBE NUTS



AGS#	Metric Brake Lines Flare Nuts	Tube Size / Type	Thread Size
BLF-40	H8015	3/16 Inverted Flare	10mm x 1.0
—	H8031	3/16 Inverted Flare	10mm x 1.00
BLF-39	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
BLF-38	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
BLF-48	H8039	3/16 Bubble Flare	12mm x 1.0 GM/Ford
BLF-49	H8040	3/16 Bubble Flare	13mm x 1.5 GM/Ford
BLF-47	H8041	3/16 Bubble Flare	11mm x 1.5 GM/Ford
BLF-51	H8042	6mm Bubble Flare	12mm x 1.0
BLF-52	H8043	6mm Bubble Flare	12mm x 1.5
BLF-53	H8044	6mm Bubble Flare	14mm x 1.5
—	H8037	6mm Bubble Flare	14mm x 1.5
BLF-29	H8055	5/16 Inverted Flare	14mm x 1.5

8" ADAPTER BRAKE LINES w/ PVF

AGS#	Adapter Brake Lines w/ PVF	Tube Size	Nut Thd/Flare	Nut Thd/Flare
PAA-R340	H8314	3/16	3/8-24 Inverted	7/16-24 Inverted
PAA-R350	H8315	3/16	3/8-24 Inverted	1/2-20 Inverted
PAA-G360	H8316	3/16	3/8-24 Inverted	1/2-20 Inverted
PAA-O370	H8317	3/16	3/8-24 Inverted	9/16-18 Inverted
PAA-O310	H8331	3/16	3/8-24 Inverted	M10 x1.00 Inverted
PAA-Y311	H8332	3/16	3/8-24 Inverted	M11 x 1.50 Bubble
PAA-B312	H8333	3/16	3/8-24 Inverted	M12 x 1.00 Bubble
PAA-O313	H8334	3/16	3/8-24 Inverted	M13 x 1.50 Bubble
PAA-O380	H8335	3/16	3/8-24 Inverted	M10 x 1.00 Bubble
PAA-B410	H8414	1/4	7/16-24 Inverted	9/16-18 Inverted
PAA-B430	H8415	1/4	7/16-24 Inverted	7/16-24 Inverted
PAA-S420	H8416	1/4	7/16-24 Inverted	1/2-20 Inverted
PAA-B710	H8114	6mm	M12 x 1.00 Bubble	M14 x 1.50 Bubble
PAA-B720	H8115	6mm	M12 x 1.00 Bubble	M12 x 1.50 Bubble

STANDARD ADAPTERS



AGS#	Standard Adapters	Female Thread	Male Thread
BLF-22	H8026	3/8"-24 Inverted	7/16"-24 Inverted
BLF-23	H8027	7/16"-24 Inverted	3/8"-24 Inverted
BLF-19	H8029	7/16"-24 Inverted	1/2"-20 Inverted
BLF-27	H8030	3/8"-24 Inverted	9/16"-20 Inverted
BLF-25	H8061	7/16-24 Inverted	9/16-18 Inverted
BLF-21	H8062	1/2-20 Inverted	9/16-18 Inverted
BLF-20	H8063	3/8-24 Inverted	1/2-20 Inverted
BLF-17	H8064	1/2-20 Inverted	7/16-24 Inverted
BLF-28	H8065	3/8-24 Inverted	9/16-18 Inverted
BLF-26	H8066	9/16-18 Inverted	1/2-20 Inverted
BLF-18	H8067	5/8-18 Inverted	1/2-20 Inverted
BLF-24	H8068	1/2-20 Inverted	5/8-18 Inverted
BLF-55	H8069	3/8-24 Bubble	7/16-20 Bubble

ADAPTERS



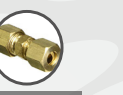
AGS#	Adapters	Female Thread	Male Thread
BLF-35	H8019	10mm x 1.0 Inverted	11mm x 1.5 Bubble
BLF-36	H8020	10mm x 1.0 Inverted	12mm x 1.0 Bubble
BLF-37	H8021	10mm x 1.0 Inverted	13mm x 1.5 Bubble
BLF-61	H8056	3/8-24 Inverted	3/8-24 Bubble
BLF-54	H8059	3/8-24 Bubble	M9 x 1.0 Inverted
—	H8060	3/8-24 Inverted	1/8 NPT

UNIONS



AGS#	Unions	Tube Size Inverted	Thread Size
BLU-3	H8006	3/16"	3/8 - 24
BLU-4	H8007	1/4"	7/16 - 24
BLU-9	H8010	3/16"	10mm x 1.0
BLU-5	H8017	5/16"	1/2 - 20
BLU-6	H8018	3/8"	5/8 - 18

COMPRESSION UNIONS



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

Not for use with Braking Systems

AGS#	Import Flare Unions	Tube Size Bubble	Thread Size
BLU-7	H8008	3/16	(3/8 - 24)
BLU-8	H8009	3/16	10mm x 1.0
BLU-10	H8000	6mm	12mm x 1.0

MISC. FITTINGS



AGS#	Standard Adapters	Desc		
BLF-58B	H8051	male tee	male thd 1/8-27 NPT	inv. female thd 3/8-24
BLF-59B	H8054	union tee	inv. female thd 3/8-24	inv. female thd 3/8-24
BLF-56B	H8052	elbow	male thd 1/8-27 NPT	inv. female thd 3/8-24
BLF-60B	H8053	brass plug	inv. male thd 3/8-24	3/16 tube
BLF-62B	H8070	brass plug	inv. thd 7/16-24	1/4 tube
BLF-63B	H8071	brass plug	inv. thd 1/2-20	5/16 tube