

BRASS FITTING

Material Available

- Standard: Brass (low-lead)
- Lead-free: Lead-free Brass
- **Note** : Standard Brass(low-lead) are not allow to be used in potable water application in US territory. Lead-free Brass is available as a compliance of the 2014 No Lead Law.

Connection Type and Description

- **FFL** : Female Flare Thread (45° flare)
- **MFL** : Male Flare Thread (45° flare)
- **MPT** : Male National Pipe Thread
- **FPT** : Female National Pipe Thread
- **Compression** : Compression fitting, size refering to the outside dimention of the tube which being inserted into the fitting.

Application

Can be used in pipe system of fuel, oil, natural gas, water and potable water (lead-free material for potable water system). Can be use with copper, alumiumm, brass and welded steel hydraulic tubing. Compression fitting can be used with plastic tubing with plastic sleeve.

LBG Products

Submittal



**Brass Flare Short Nut
LBBSN**

Part	OD
	size (in)
LBBSN-4	1/4
LBBSN-5	5/16
LBBSN-6	3/8
LBBSN-8	1/2
LBBSN-10	5/8
LBBSN-12	3/4



**Brass Long Nut FFL
LBBLN**

Part	OD
	size (in)
LBBLN-4	1/4
LBBLN-5	5/16
LBBLN-6	3/8
LBBLN-8	1/2
LBBLN-10	5/8
LBBLN-12	3/4



**Brass Cap Nut FFL
LBBCN**

Part	OD
	size (in)
LBBCN-4	1/4
LBBCN-5	5/16
LBBCN-6	3/8
LBBCN-8	1/2
LBBCN-10	5/8
LBBCN-12	3/4



**Brass Reducing Nut FFLxOD
LBBRN**

Part	FFL	OD
	size (in)	size (in)
LBBRN43	1/4	3/16
LBBRN54	5/16	1/4
LBBRN64	3/8	1/4
LBBRN65	3/8	5/16
LBBRN86	1/2	3/8
LBBRN108	5/8	1/2
LBBRN128	3/4	1/2
LBBRN1210	3/4	5/8

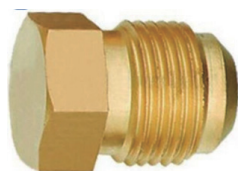


**Brass Reducing Union MFLxMFL
LBBRU-A**

Part	MFL	MFL
	size (in)	size (in)
LBBRU-A-43	1/4	3/16
LBBRU-A-54	5/16	1/4
LBBRU-A-64	3/8	1/4
LBBRU-A-65	3/8	5/16
LBBRU-A-84	1/2	1/4
LBBRU-A-86	1/2	3/8
LBBRU-A-106	5/8	3/8
LBBRU-A-108	5/8	1/2
LBBRU-A-128	3/4	1/2
LBBRU-A-1210	3/4	5/8

LBG Products

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**Flare Fitting Plug MFL
LBBFP**

Part	MFL
	size (in)
LBBFP4	1/4
LBBFP5	5/16
LBBFP6	3/8
LBBFP8	1/2
LBBFP10	5/8
LBBFP12	3/4



**Brass Union MFLxMFL
LBBU-A**

Part	MFL x MFL
	size (in)
LBBU-A-4	1/4
LBBU-A-5	5/16
LBBU-A-6	3/8
LBBU-A-8	1/2
LBBU-A-10	5/8
LBBU-A-12	3/4



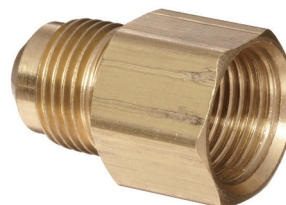
**Brass Coupling
MPTxMPT LBBCP-E**

Part	MPT
	size (in)
LBBCP-E-4	1/4
LBBCP-E-5	5/16
LBBCP-E-6	3/8
LBBCP-E-8	1/2
LBBCP-E-10	5/8
LBBCP-E-12	3/4



**Brass Union MFLxMPT
LBBU-B**

Part	MFL	MPT
	size (in)	size (in)
LBBU-B-44	1/4	1/4
LBBU-B-46	1/4	3/8
LBBU-B-48	1/4	1/2
LBBU-B-64	3/8	1/4
LBBU-B-66	3/8	3/8
LBBU-B-68	3/8	1/2
LBBU-B-612	3/8	3/4
LBBU-B-84	1/2	1/4
LBBU-B-86	1/2	3/8
LBBU-B-88	1/2	1/2
LBBU-B-812	1/2	3/4
LBBU-B-104	5/8	1/4
LBBU-B-106	5/8	3/8
LBBU-B-108	5/8	1/2
LBBU-B-1010	5/8	5/8
LBBU-B-1012	5/8	3/4
LBBU-B-128	3/4	1/2
LBBU-B-1212	3/4	3/4



**Brass Union MFLxFPT
LBBU-C**

Part	MFL	FPT
	size (in)	size (in)
LBBU-C-44	1/4	1/4
LBBU-C-46	1/4	3/8
LBBU-C-48	1/4	1/2
LBBU-C-64	3/8	1/4
LBBU-C-66	3/8	3/8
LBBU-C-68	3/8	1/2
LBBU-C-612	3/8	3/4
LBBU-C-84	1/2	1/4
LBBU-C-86	1/2	3/8
LBBU-C-88	1/2	1/2
LBBU-C-812	1/2	3/4
LBBU-C-104	5/8	1/4
LBBU-C-106	5/8	3/8
LBBU-C-108	5/8	1/2
LBBU-C-1010	5/8	5/8
LBBU-C-1012	5/8	3/4
LBBU-C-128	3/4	1/2
LBBU-C-1212	3/4	3/4

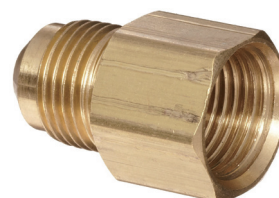
LBG Products

Submittal



**Brass Union Flare to Solder MFLxOD
LBBU-D**

Part	MFL	OD
	size (in)	size (in)
LBBU-D-44	1/4	1/4
LBBU-D-46	1/4	3/8
LBBU-D-48	1/4	1/2
LBBU-D-64	3/8	1/4
LBBU-D-66	3/8	3/8
LBBU-D-68	3/8	1/2
LBBU-D-612	3/8	3/4
LBBU-D-84	1/2	1/4
LBBU-D-86	1/2	3/8
LBBU-D-88	1/2	1/2
LBBU-D-812	1/2	3/4
LBBU-D-104	5/8	1/4
LBBU-D-106	5/8	3/8
LBBU-D-108	5/8	1/2
LBBU-D-1010	5/8	5/8
LBBU-D-1012	5/8	3/4
LBBU-D-128	3/4	1/2
LBBU-D-1212	3/4	3/4



**Brass Union FFLxMFL
LBBU-E**

Part	FFL	MFL
	size (in)	size (in)
LBBU-E-44	1/4	1/4
LBBU-E-46	1/4	3/8
LBBU-E-48	1/4	1/2
LBBU-E-64	3/8	1/4
LBBU-E-66	3/8	3/8
LBBU-E-68	3/8	1/2
LBBU-E-612	3/8	3/4
LBBU-E-84	1/2	1/4
LBBU-E-86	1/2	3/8
LBBU-E-88	1/2	1/2
LBBU-E-812	1/2	3/4
LBBU-E-104	5/8	1/4
LBBU-E-106	5/8	3/8
LBBU-E-108	5/8	1/2
LBBU-E-1010	5/8	5/8
LBBU-E-1012	5/8	3/4
LBBU-E-128	3/4	1/2
LBBU-E-1212	3/4	3/4



**Brass Elbow MFLxMFL
LBBE-A**

Part	MFL x MFL
	size (in)
LBBE-A-4	1/4
LBBE-A-5	5/16
LBBE-A-6	3/8
LBBE-A-8	1/2
LBBE-A-10	5/8
LBBE-A-12	3/4



**Brass Coupling FPTxFPT
LBBCP-D**

Part	FPT
	size (in)
LBBCP-D-4	1/4
LBBCP-D-5	5/16
LBBCP-D-6	3/8
LBBCP-D-8	1/2
LBBCP-D-10	5/8
LBBCP-D-12	3/4



**Brass Compression
Sleeve LBBCMSL**

Part	Sleeve
	size (in)
LBBCMSL4	1/4
LBBCMSL5	5/16
LBBCMSL6	3/8
LBBCMSL8	1/2
LBBCMSL10	5/8
LBBCMSL12	3/4

LBG Products

Submittal



**Brass Elbow MFL x FPT
LBBE-C**

Part	MFL	MPT
	size (in)	size (in)
LBBE-C-44	1/4	1/4
LBBE-C-46	1/4	3/8
LBBE-C-48	1/4	1/2
LBBE-C-64	3/8	1/4
LBBE-C-66	3/8	3/8
LBBE-C-68	3/8	1/2
LBBE-C-612	3/8	3/4
LBBE-C-84	1/2	1/4
LBBE-C-86	1/2	3/8
LBBE-C-88	1/2	1/2
LBBE-C-812	1/2	3/4
LBBE-C-104	5/8	1/4
LBBE-C-106	5/8	3/8
LBBE-C-108	5/8	1/2
LBBE-C-1010	5/8	5/8
LBBE-C-1012	5/8	3/4
LBBE-C-128	3/4	1/2
LBBE-C-1212	3/4	3/4



**Brass Elbow MFLxMPT
LBBE-B**

Part	MFL	MPT
	size (in)	size (in)
LBBE-B-44	1/4	1/4
LBBE-B-46	1/4	3/8
LBBE-B-48	1/4	1/2
LBBE-B-64	3/8	1/4
LBBE-B-66	3/8	3/8
LBBE-B-68	3/8	1/2
LBBE-B-612	3/8	3/4
LBBE-B-84	1/2	1/4
LBBE-B-86	1/2	3/8
LBBE-B-88	1/2	1/2
LBBE-B-812	1/2	3/4
LBBE-B-104	5/8	1/4
LBBE-B-106	5/8	3/8
LBBE-B-108	5/8	1/2
LBBE-B-1010	5/8	5/8
LBBE-B-1012	5/8	3/4
LBBE-B-128	3/4	1/2
LBBE-B-1212	3/4	3/4



**Brass Tee connection
MFLxMFLxMFL LBBTC-A**

Part	MFLxMFLxMFL
	size (in)
LBBTC-A-4	1/4
LBBTC-A-5	5/16
LBBTC-A-6	3/8
LBBTC-A-8	1/2
LBBTC-A-10	5/8
LBBTC-A-12	3/4



**Brass Coupling Compression
LBBCP-F**

Part	Compression
	size (in)
LBBCP-F-4	1/4
LBBCP-F-5	5/16
LBBCP-F-6	3/8
LBBCP-F-8	1/2
LBBCP-F-10	5/8
LBBCP-F-12	3/4

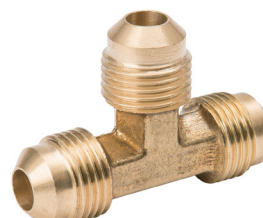
LBG Products

Submittal



**Brass Reducing Elbow MFLxMFL
LBBRE-A**

Part	MFL	MFL
	size (in)	size (in)
LBBRE-A-43	1/4	3/16
LBBRE-A-54	5/16	1/4
LBBRE-A-64	3/8	1/4
LBBRE-A-65	3/8	5/16
LBBRE-A-84	1/2	1/4
LBBRE-A-86	1/2	3/8
LBBRE-A-106	5/8	3/8
LBBRE-A-108	5/8	1/2
LBBRE-A-128	3/4	1/2
LBBRE-A-1210	3/4	5/8



**Brass Tee Connection Reducing
Branch MFLxMFLxMFL LBBRTC-A**

Part	RUN MFLxMFL	BRANCH MFL
	size (in)	size (in)
LBBRTC-A-46	1/4	3/8
LBBRTC-A-64	3/8	1/4
LBBRTC-A-68	3/8	1/2
LBBRTC-A-84	1/2	1/4
LBBRTC-A-86	1/2	3/8
LBBRTC-A-810	1/2	5/8
LBBRTC-A-106	5/8	3/8
LBBRTC-A-108	5/8	1/2
LBBRTC-A-1012	5/8	3/4
LBBRTC-A-1210	3/4	5/8



**Brass Reducing Coupling
Compression LBBRCP-F**

Part	Compression	Compression
	size (in)	size (in)
LBBRCP-F-64	3/8	1/4
LBBRCP-F-86	1/2	3/8
LBBRCP-F-106	5/8	3/8
LBBRCP-F-108	5/8	1/2



**Brass Elbow Compression
LBBE-F**

Part	Compression
	size (in)
LBBE-F-4	1/4
LBBE-F-5	5/16
LBBE-F-6	3/8
LBBE-F-8	1/2
LBBE-F-10	5/8
LBBE-F-12	3/4



Brass Compression Nut
LBBCMN

Part	Nut
	size (in)
LBBCMN4	1/4
LBBCMN5	5/16
LBBCMN6	3/8
LBBCMN8	1/2
LBBCMN10	5/8
LBBCMN12	3/4

Compression Fitting

- Do not require flaring, soldering, or other type of pipe preparation for connecting.
- Easy and quick installation, perfect for application that require occasional disassembly or removal for maintenance.
- Thread sealants are unnecessary for compression fitting.
- Low vibration resistance
- Once removed, sleeve cannot be reused.
- Operating temperature range: -65°F~250°F
- Max. working pressure(for system using copper or aluminum tubing, Temperature 73°F): See chart below

Tube OD (in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
Tube Wall (in)	0.03	0.03	0.03	0.032	0.032	0.032	0.035	0.035	0.035
Working Pressure (psi)	400	400	300	300	200	200	150	100	75

Flare Fitting

- Easy and quick installation
- Resists mechanical pullout.
- Can endure higher pressure compare to compression fitting.
- Good vibration resistance, long flare nuts are available for greater vibration resistance required.
- Reusable, can be remove and reuse again.
- Operating temperature range: -65°F~250°F
- Max. working pressure(for system using copper or aluminum tubing, Temperature 73°F): See chart below

Tube OD (in)	1/8	3/16	1/4	5/16	3/8	1/2	5/8	3/4	7/8
Tube Wall (in)	0.03	0.03	0.03	0.032	0.032	0.032	0.035	0.035	0.035
Working Pressure (psi)	2800	1900	1400	1200	1000	750	650	550	450