

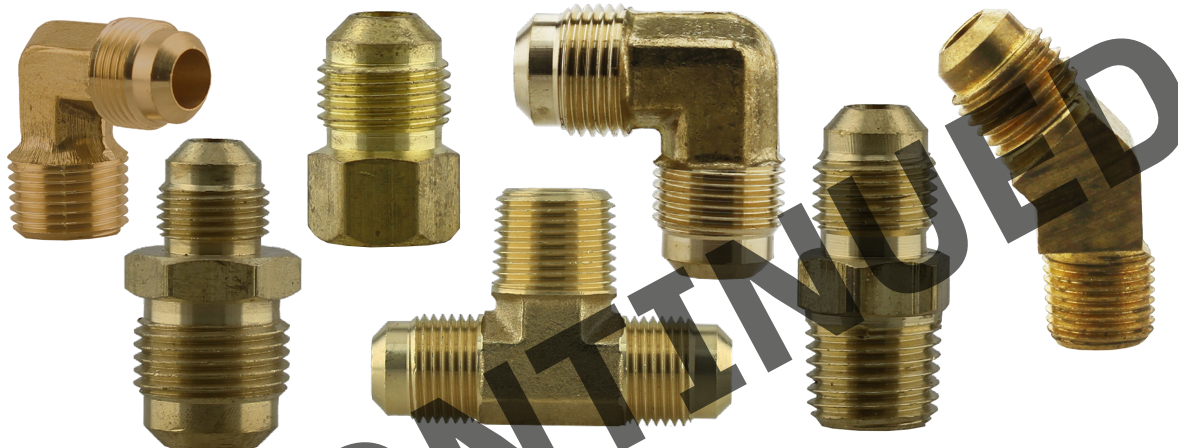
BF SERIES - BRASS FLARE FITTINGS

SPECIFICATIONS:

- Made from C37700 brass alloy (forged fittings) or C36000 brass alloy (bar stock fittings).
- Maximum operating temperature range: -65 to 250 °F (-54 to 121 °C).
- SAE 45° flare fittings are to be used for low to medium pressure applications.
- Compatible with copper, brass, aluminum, and welded steel hydraulic tubing.
- Resistant to mechanical pullout and vibration with the use of long nut.
- Commonly used in plumbing, oil, and refrigerant lines.
- For use with fuel oil, forged nuts should be used over milled nuts.
- Can be disassembled and reassembled without an effect on the seal.
- **Do not** use BF series leaded flare fittings for potable water applications, gas applications or direct burial.

IMPORTANT NOTE:

Some jurisdictions/ gas codes do not permit the use of alloys with less than 80% copper in underground applications. These fittings do not qualify and are not suitable for direct burial or gas applications. The qualified installer, and end user, should confirm with local codes and AHJ (Authority Having Jurisdiction) if fittings are suitable for the application. **We suggest you do not use these products for direct burial or gas applications.**



45° FLARE FITTING WORKING PRESSURE GUIDE					
Size Code	Copper Tube Dimensions			Working Pressure	
	Outside Diameter	Inside Diameter (in)	Wall Thickness (in)	PSI	kPa
02	1/8"	0.065	0.03	2800	19305
03	3/16"	0.128	0.03	1900	13100
04	1/4"	0.190	0.03	1400	9653
05	5/16"	0.249	0.032	1200	8274
06	3/8"	0.311	0.032	1000	6895
08	1/2"	0.436	0.032	750	5171
10	5/8"	0.555	0.035	650	4482
12	3/4"	0.680	0.035	550	3792
14	7/8"	0.805	0.035	450	3103

Working pressures, temperatures, and type of tubing used are all critical factors. The provided table is to be used as a guide only for selection and is based on the use of copper tubing. **It is solely the end user's responsibility to determine the suitability of the hose fitting for the intended service.**

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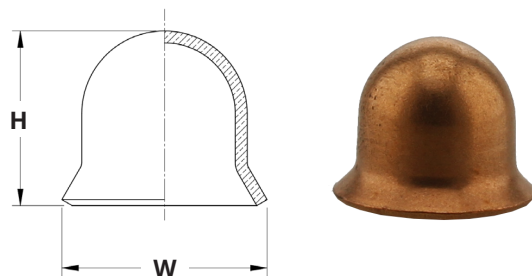
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BF-57 SERIES - SEALING BONNET

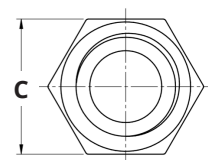
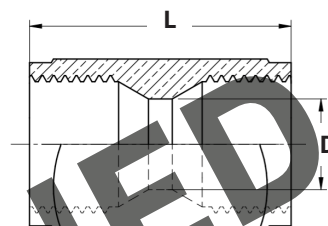
■ Copper

DIMENSIONS					
Part No.	Size (Flare)	W		H	
		in	mm	in	mm
BF-57-06	3/8"	0.55	14.0	0.34	8.60
BF-57-08	1/2"	0.66	16.8	0.41	10.4



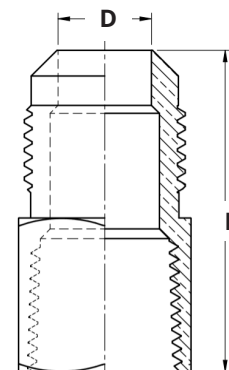
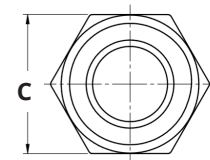
BF-32 SERIES - FEMALE FLARE COUPLING

DIMENSIONS							
Part No.	Size (Female Flare)	C		D		L	
		in	mm	in	mm	in	mm
BF-32-06	3/8"	0.81	20.6	0.38	9.52	1.25	31.8
BF-32-08	1/2"	0.94	23.8	0.50	12.7	1.44	36.6



BF-46 SERIES - FLARE x FPT COUPLING

DIMENSIONS							
Part No.	Size (Flare x FPT)	C		D		L	
		in	mm	in	mm	in	mm
BF-46-0402	1/4"x1/8"	0.56	14.3	0.19	4.78	1.03	26.2
BF-46-0404	1/4"x1/4"	0.63	15.9	0.19	4.78	1.06	27.0
BF-46-0406	1/4"x3/8"	0.75	19.1	0.19	4.78	1.18	30.0
BF-46-0408	1/4"x1/2"	0.94	23.8	0.19	4.78	1.20	30.5
BF-46-0504	5/16"x1/4"	0.68	17.3	0.22	5.56	1.28	32.5
BF-46-0602	3/8"x1/8"	0.63	15.9	0.28	7.14	1.13	28.8
BF-46-0604	3/8"x1/4"	0.63	15.9	0.28	7.14	1.09	27.8
BF-46-0606	3/8"x3/8"	0.75	19.1	0.28	7.14	1.28	32.5
BF-46-0608	3/8"x1/2"	0.87	22.2	0.28	7.14	1.30	33.0
BF-46-0612	3/8"x3/4"	1.13	28.6	0.28	7.14	1.43	36.2
BF-46-0806	1/2"x3/8"	0.75	19.1	0.41	10.3	1.40	35.6
BF-46-0808	1/2"x1/2"	0.87	22.2	0.41	10.3	1.43	36.3
BF-46-0812	1/2"x3/4"	1.13	28.6	0.41	10.3	1.41	35.8
BF-46-1008	5/8"x1/2"	0.87	22.2	0.50	12.7	1.54	39.0
BF-46-1012	5/8"x3/4"	1.13	28.6	0.50	12.7	1.62	41.2
BF-46-1212	3/4"x3/4"	1.13	28.6	0.69	17.5	1.77	45.0
BF-46-1412	7/8"x3/4"	1.31	33.3	0.75	19.1	1.94	49.3



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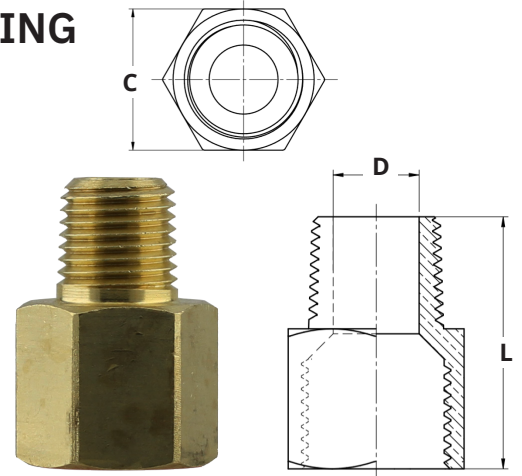
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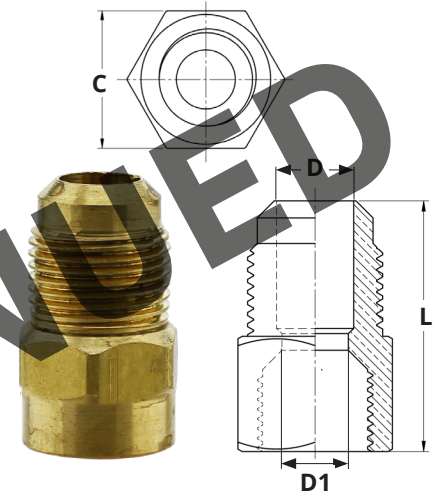
BF-33 SERIES - FEMALE FLARE x MPT COUPLING

DIMENSIONS							
Part No.	Size (Female Flare x MPT)	C		D		L	
		in	mm	in	mm	in	mm
BF-33-0402	1/4"x1/8"	0.92	23.4	0.18	4.57	0.91	23.1
BF-33-0404	1/4"x1/4"	0.63	16.0	0.18	4.57	1.00	25.4
BF-33-0604	3/8"x1/4"	0.81	20.7	0.34	8.60	1.12	28.4
BF-33-0806	1/2"x3/8"	1.00	25.4	0.44	11.1	1.34	34.0
BF-33-0808	1/2"x1/2"	0.94	23.9	0.44	11.1	1.46	37.1



BF-35 SERIES - REDUCING COUPLING

DIMENSIONS									
Part No.	Size (Female Flare x Male Flare)	C		D1		D		L	
		in	mm	in	mm	in	mm	in	mm
BF-35-0406	1/4"x3/8"	0.82	20.8	0.18	4.57	0.28	7.14	1.12	28.4
BF-35-0604	3/8"x1/4"	0.81	20.6	0.38	9.65	0.19	4.78	1.22	31.0
BF-35-0806	1/2"x3/8"	0.94	23.9	0.50	12.7	0.28	7.14	1.44	36.6
BF-35-0810	1/2"x5/8"	1.00	25.4	0.50	12.7	0.50	12.7	1.63	41.4



BF-34(R) SERIES - FEMALE FLARE SWIVEL COUPLING



DIMENSIONS									
Part No.	Size (Female Flare)	C1		C2		D		L	
		in	mm	in	mm	in	mm	in	mm
BF-34-04	1/4"x1/4"	0.62	15.8	0.62	15.8	0.18	4.57	1.31	33.3
BF-34-06	3/8"x3/8"	0.81	20.6	0.81	20.6	0.31	7.75	1.50	38.1
BF-34-08	1/2"x1/2"	0.93	23.6	0.93	23.6	0.43	10.9	1.60	40.6
BF-34-10	5/8"x5/8"	1.04	26.4	1.04	26.4	0.56	14.1	2.00	50.8
BF-34R-0604	3/8"x1/4"	0.81	20.6	0.62	15.8	0.18	4.57	1.35	34.3
BF-34R-0806	1/2"x3/8"	0.93	23.6	0.81	20.6	0.31	7.75	1.55	39.4

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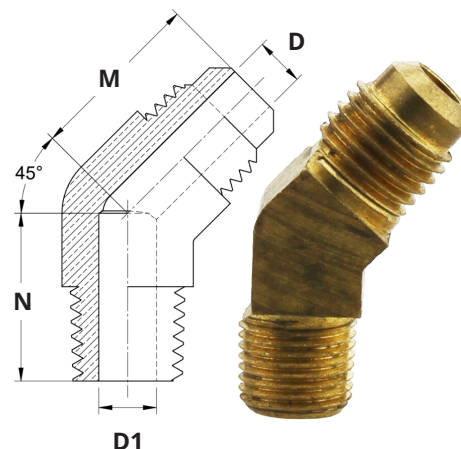
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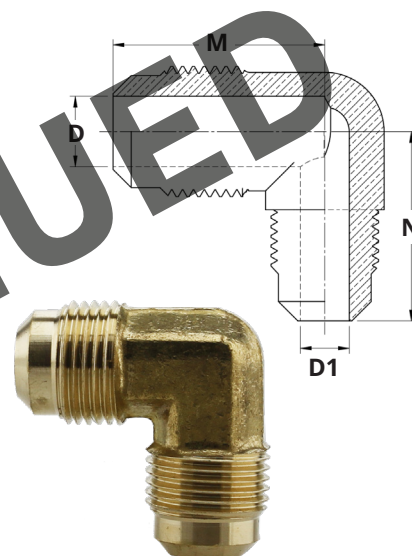
BF-54 SERIES - FLARE x MPT 45° ELBOW

DIMENSIONS									
Part No.	Size (Flare x MPT)	M		N		D		D1	
		in	mm	in	mm	in	mm	in	mm
BF-54-0402	1/4"x1/8"	0.74	18.7	0.66	16.8	0.19	4.80	0.22	5.60



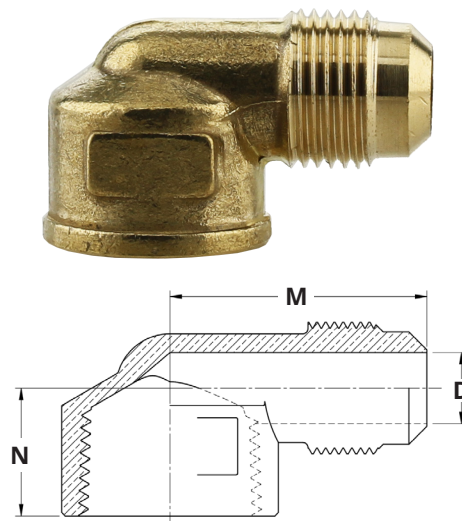
BF-55(R) SERIES - FLARE 90° ELBOW

DIMENSIONS									
Part No.	Size (Flare x Flare)	M		N		D		D1	
		in	mm	in	mm	in	mm	in	mm
BF-55-02	1/8"x1/8"	0.64	16.3	0.64	16.3	0.08	2.11	0.08	2.11
BF-55-04	1/4"x1/4"	0.87	22.0	0.87	22.0	0.19	4.78	0.19	4.78
BF-55-06	3/8"x3/8"	1.00	25.4	1.00	25.4	0.28	7.14	0.28	7.14
BF-55-08	1/2"x1/2"	1.16	29.4	1.16	29.4	0.41	10.3	0.41	10.3
BF-55-10	5/8"x5/8"	1.41	35.7	1.41	35.7	0.50	12.7	0.50	12.7
BF-55-12	3/4"x3/4"	1.54	39.0	1.54	39.0	0.63	15.9	0.63	15.9
BF-55R-0806	1/2"x3/8"	1.16	29.4	1.09	27.8	0.41	10.3	0.31	7.92



BF-50 SERIES - FLARE x FPT 90° ELBOW

DIMENSIONS							
Part No.	Size (Flare x FPT)	M		N		D	
		in	mm	in	mm	in	mm
BF-50-0604	3/8"x1/4"	1.08	27.5	0.45	11.5	0.28	7.14
BF-50-0606	3/8"x3/8"	1.03	26.2	0.57	14.6	0.27	7.06
BF-50-0608	3/8"x1/2"	1.16	29.4	0.66	16.7	0.28	7.14
BF-50-0808	1/2"x1/2"	1.29	32.8	0.59	15.0	0.41	10.3
BF-50-0812	1/2"x3/4"	1.41	35.7	0.71	18.2	0.41	10.3
BF-50-1008	5/8"x1/2"	1.48	37.5	0.72	18.3	0.50	12.7



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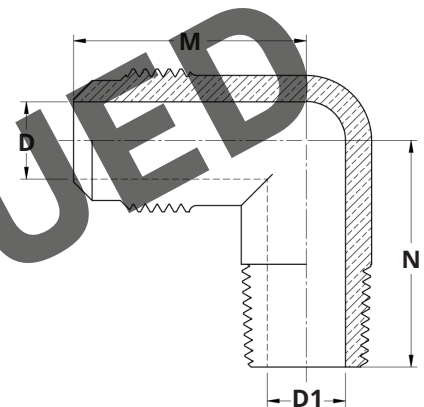
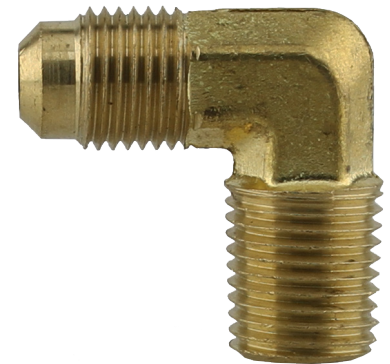
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BF-49 SERIES - FLARE x MPT 90° ELBOW

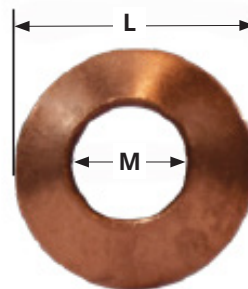
DIMENSIONS									
Part No.	Size (Flare x MPT)	M		N		D		D1	
		in	mm	in	mm	in	mm	in	mm
BF-49-0202	1/8"x1/8"	0.96	24.5	0.77	19.6	0.08	2.11	0.22	5.56
BF-49-0302	3/16"x1/8"	0.96	24.5	0.77	19.6	0.13	3.18	0.22	5.56
BF-49-0304	3/16"x1/4"	0.96	24.5	0.77	19.6	0.13	3.18	0.31	7.92
BF-49-0402	1/4"x1/8"	0.96	24.5	0.77	19.6	0.19	4.78	0.22	5.56
BF-49-0404	1/4"x1/4"	0.96	24.5	0.83	21.1	0.19	4.78	0.31	7.92
BF-49-0406	1/4"x3/8"	0.96	24.5	0.94	23.8	0.19	4.78	0.41	10.3
BF-49-0408	1/4"x1/2"	1.11	28.2	1.10	28.0	0.19	4.78	0.57	14.5
BF-49-0502	5/16"x1/8"	0.96	24.5	0.77	19.6	0.22	5.50	0.22	5.56
BF-49-0504	5/16"x1/4"	0.95	24.2	0.83	21.1	0.22	5.50	0.31	7.92
BF-49-0602	3/8"x1/8"	1.00	25.4	0.82	21.0	0.28	7.14	0.22	5.56
BF-49-0604	3/8"x1/4"	1.00	25.4	0.88	22.4	0.28	7.14	0.31	7.92
BF-49-0606	3/8"x3/8"	1.00	25.4	0.91	23.1	0.28	7.14	0.41	10.3
BF-49-0608	3/8"x1/2"	1.08	27.5	1.10	28.0	0.28	7.14	0.57	14.5
BF-49-0612	3/8"x3/4"	1.27	32.3	1.19	30.1	0.28	7.14	0.75	19.1
BF-49-0804	1/2"x1/4"	1.22	31.0	1.01	25.7	0.44	11.1	0.31	7.92
BF-49-0806	1/2"x3/8"	1.22	31.0	1.12	28.5	0.41	10.3	0.41	10.3
BF-49-0808	1/2"x1/2"	1.13	28.6	1.14	29.0	0.44	11.1	0.56	14.3
BF-49-0812	1/2"x3/4"	1.40	35.5	1.22	31.0	0.40	10.2	0.75	19.1
BF-49-1008	5/8"x1/2"	1.34	34.0	1.18	30.0	0.50	12.7	0.57	14.5
BF-49-1012	5/8"x3/4"	1.39	35.2	1.28	32.6	0.50	12.7	0.74	19.0



BF-59 SERIES - FLARE GASKET

■ Copper

DIMENSIONS					
Part No.	Size	L		M	
		in	mm	in	mm
BF-59-06	3/8"	0.55	14.0	0.28	7.11
BF-59-08	1/2"	0.66	16.8	0.41	10.4



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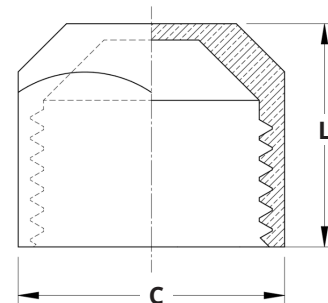
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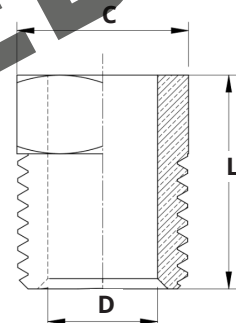
BF-56 SERIES - FLARE CAP NUT

DIMENSIONS					
Part No.	Size	C		L	
		in	mm	in	mm
BF-56-03	3/16"	0.44	11.1	0.37	9.50
BF-56-04	1/4"	0.50	12.7	0.47	12.0
BF-56-05	5/16"	0.63	15.9	0.53	13.5
BF-56-06	3/8"	0.69	17.5	0.59	15.1
BF-56-08	1/2"	0.81	20.6	0.69	17.4
BF-56-10	5/8"	0.94	23.8	0.81	20.6
BF-56-12	3/4"	1.18	30.0	0.90	22.8



BF-41INB SERIES - FLARE INVERTED NUT

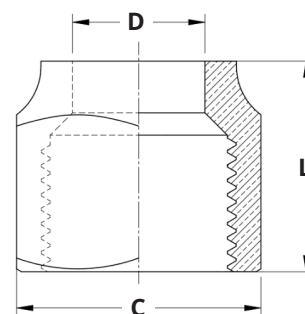
DIMENSIONS							
Part No.	Size	C		D		L	
		in	mm	in	mm	in	mm
BF-41INB-04	1/4"	0.43	10.9	0.26	6.60	0.56	14.2
BF-41INB-05	5/16"	0.50	12.7	0.32	8.10	0.63	15.9
BF-41INB-08	1/2"	0.75	19.1	0.51	13.0	0.74	18.8



BF-40(R) SERIES - FLARE SHORT FORGED NUT

■ Use only forged flare nuts on gas and fuel oil installations.

DIMENSIONS							
Part No.	Size	C		D		L	
		in	mm	in	mm	in	mm
BF-40-03	3/16"	0.50	12.7	0.19	4.83	0.56	14.2
BF-40-04	1/4"	0.63	15.9	0.25	6.35	0.59	15.0
BF-40-05	5/16"	0.69	17.5	0.31	7.94	0.64	16.3
BF-40-06	3/8"	0.81	20.6	0.37	9.52	0.69	17.5
BF-40-08	1/2"	0.93	23.6	0.50	12.7	0.81	20.7
BF-40-10	5/8"	1.04	26.4	0.63	15.9	0.94	23.9
BF-40-12	3/4"	1.25	31.8	0.75	19.1	1.02	26.0
BF-40-14	7/8"	1.38	35.1	0.87	22.1	1.18	30.0
BF-40R-0604	3/8"x1/4"	0.81	20.6	0.25	6.35	0.70	17.8
BF-40R-0806	1/2"x3/8"	0.94	23.8	0.37	9.52	0.83	21.0
BF-40R-1008	5/8"x1/2"	1.06	27.0	0.50	12.7	0.98	25.0



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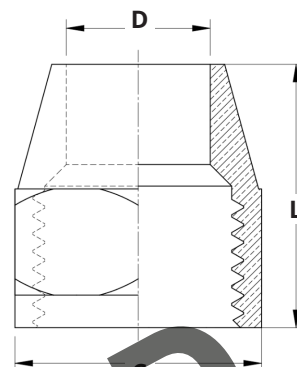
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BF-41S SERIES - FLARE SHORT MILLED NUT

■ Use only forged flare nuts on gas and fuel oil installations.

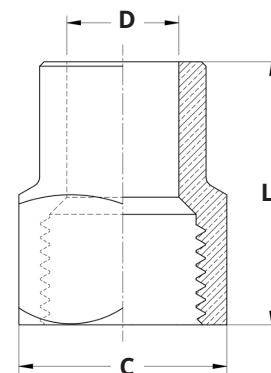
DIMENSIONS							
Part No.	Size	C		D		L	
		in	mm	in	mm	in	mm
BF-41S-02	1/8"	0.38	9.53	0.13	3.18	0.50	12.7
BF-41S-03	3/16"	0.44	11.1	0.19	4.76	0.63	15.9
BF-41S-04	1/4"	0.56	14.3	0.25	6.35	0.67	17.0
BF-41S-05	5/16"	0.63	15.9	0.31	7.94	0.69	17.5
BF-41S-06	3/8"	0.73	18.6	0.37	9.52	0.86	21.8
BF-41S-08	1/2"	0.86	21.8	0.50	12.7	0.93	23.5
BF-41S-10	5/8"	1.00	25.4	0.63	15.9	0.99	25.2
BF-41S-12	3/4"	1.18	30.0	0.75	19.1	1.30	33.0
BF-41S-14	7/8"	1.50	38.1	0.87	22.2	1.62	41.2
BF-41S-16	1"	1.62	41.1	0.98	25.0	1.81	46.0



BF-39 SERIES - FLARE LONG FORGED NUT

■ Use only forged flare nuts on gas and fuel oil installations.

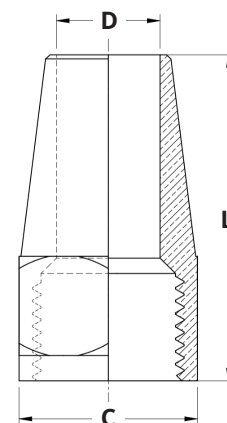
DIMENSIONS							
Part No.	Size	C		D		L	
		in	mm	in	mm	in	mm
BF-39-04	1/4"	0.63	15.9	0.25	6.35	0.94	23.9
BF-39-06	3/8"	0.81	20.6	0.37	9.52	1.06	26.9
BF-39-08	1/2"	0.93	23.6	0.50	12.8	1.17	29.6
BF-39-10	5/8"	1.04	26.4	0.63	15.9	1.25	31.8



BF-41 SERIES - FLARE LONG MILLED NUT

■ Use only forged flare nuts on gas and fuel oil installations.

DIMENSIONS							
Part No.	Size	C		D		L	
		in	mm	in	mm	in	mm
BF-41-03	3/16"	0.44	11.1	0.19	4.90	0.81	20.5
BF-41-04	1/4"	0.56	14.3	0.25	6.35	0.98	25.0
BF-41-05	5/16"	0.63	15.9	0.31	7.94	1.14	29.0
BF-41-06	3/8"	0.75	19.1	0.37	9.52	1.31	33.3
BF-41-08	1/2"	0.87	22.2	0.50	12.7	1.62	41.1
BF-41-10	5/8"	1.06	27.0	0.63	15.9	1.88	47.8
BF-41-12	3/4"	1.25	31.8	0.75	19.1	2.19	55.6



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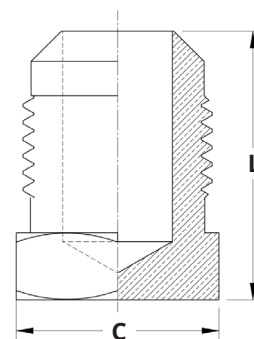
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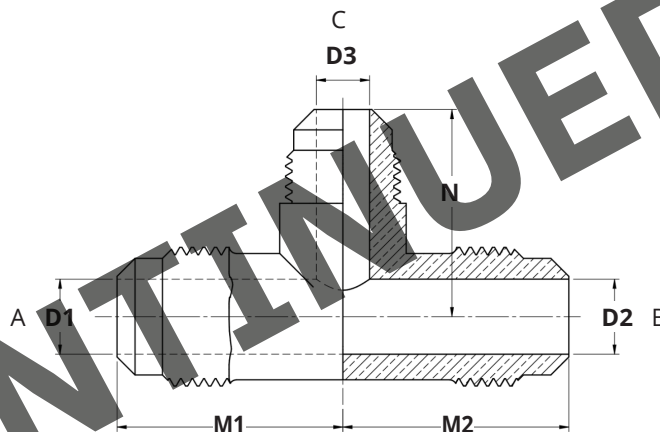
BII-BF-41S,BF-39,BF-41-0325(2711,604,313)V2

BF-58 SERIES - FLARE PLUG

DIMENSIONS					
Part No.	Size	C		L	
		in	mm	in	mm
BF-58-04	1/4"	0.44	11.1	0.69	17.5
BF-58-05	5/16"	0.50	12.7	0.78	19.8
BF-58-06	3/8"	0.63	15.9	0.88	22.4
BF-58-08	1/2"	0.75	19.1	0.98	25.0



BF-44(R) SERIES - FLARE TEE



DIMENSIONS													
Part No.	Size (AxBxC)	D1		D2		D3		M1		M2		N	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
BF-44-02	1/8"x1/8"x1/8"	0.08	2.11	0.08	2.11	0.08	2.11	0.75	19.0	0.75	19.0	0.71	18.0
BF-44-04	1/4"x1/4"x1/4"	0.13	3.18	0.13	3.18	0.13	3.18	0.87	22.0	0.87	22.0	0.87	22.0
BF-44-06	3/8"x3/8"x3/8"	0.28	7.14	0.28	7.14	0.28	7.14	1.00	25.4	1.00	25.4	1.00	25.4
BF-44-08	1/2"x1/2"x1/2"	0.41	10.3	0.41	10.3	0.41	10.3	1.16	29.4	1.16	29.4	1.16	29.4
BF-44-10	5/8"x5/8"x5/8"	0.50	12.7	0.50	12.7	0.50	12.7	1.41	35.7	1.41	35.7	1.41	35.7
BF-44-12	3/4"x3/4"x3/4"	0.63	16.0	0.63	16.0	0.63	16.0	1.64	41.7	1.64	41.7	1.64	41.7
BF-44R-060604	3/8"x3/8"x1/4"	0.28	7.14	0.28	7.14	0.19	4.78	1.00	25.4	1.00	25.4	0.92	23.3
BF-44R-060608	3/8"x3/8"x1/2"	0.28	7.11	0.28	7.11	0.41	10.4	1.00	25.4	1.00	25.4	1.19	30.2
BF-44R-080606	1/2"x3/8"x3/8"	0.41	10.4	0.28	7.11	0.28	7.11	1.16	29.4	1.16	29.4	1.12	28.4
BF-44R-080608	1/2"x3/8"x1/2"	0.41	10.4	0.28	7.11	0.41	10.4	1.16	29.4	1.00	25.4	1.16	29.4
BF-44R-080806	1/2"x1/2"x3/8"	0.41	10.4	0.41	10.4	0.27	7.11	1.16	29.4	1.16	29.4	1.13	28.6
BF-44R-100808	5/8"x1/2"x1/2"	0.50	12.7	0.41	10.4	0.41	10.4	1.41	35.7	1.16	29.4	1.16	29.4
BF-44R-101006	5/8"x5/8"x3/8"	0.50	12.7	0.50	12.7	0.28	7.14	1.41	35.7	1.41	35.7	1.13	28.7
BF-44R-101008	5/8"x5/8"x1/2"	0.50	12.7	0.50	12.7	0.40	10.3	1.41	35.7	1.41	35.7	1.28	32.6

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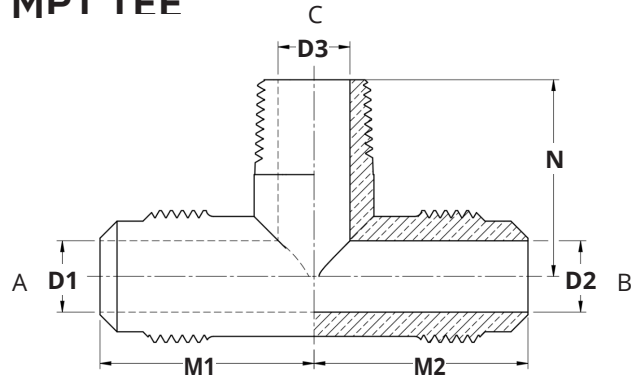
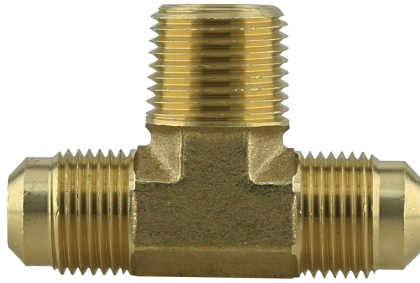
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BII-BF-58,BF-44(R)-0325(2711,604,313)V2

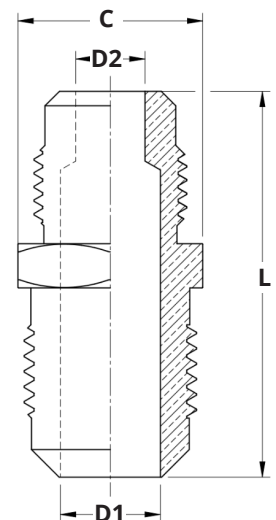
BF-45 SERIES - FLARE x FLARE x MPT TEE



DIMENSIONS													
Part No.	Size (AxBxC)	D1		D2		D3		M1		M2		N	
		in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
BF-45-0606	3/8"x3/8"x3/8"	0.28	7.10	0.28	7.10	0.41	10.3	1.00	25.5	1.00	25.5	1.00	25.5
BF-45-0806	1/2"x1/2"x3/8"	0.41	10.3	0.41	10.3	0.41	10.3	1.16	29.4	1.16	29.4	1.02	26.0
BF-45-0808	1/2"x1/2"x1/2"	0.41	10.3	0.41	10.3	0.56	14.3	1.22	31.0	1.22	31.0	1.22	31.0
BF-45-1008	5/8"x5/8"x1/2"	0.50	12.7	0.50	12.7	0.56	14.3	1.41	35.7	1.41	35.7	1.36	34.5

BF-42 SERIES - FLARE UNION COUPLING

DIMENSIONS									
Part No.	Size (Flare x Flare)	D1		D2		C		L	
		in	mm	in	mm	in	mm	in	mm
BF-42-02	1/8"x1/8"	0.08	2.11	0.08	2.11	0.38	9.53	0.92	23.3
BF-42-04	1/4"x1/4"	0.19	4.78	0.19	4.78	0.44	11.1	1.19	30.2
BF-42-05	5/16"x5/16"	0.22	5.50	0.22	5.50	0.56	14.3	1.39	35.2
BF-42-06	3/8"x3/8"	0.28	7.14	0.28	7.14	0.63	15.9	1.47	37.3
BF-42-08	1/2"x1/2"	0.41	10.3	0.41	10.3	0.75	19.1	1.69	42.9
BF-42-10	5/8"x5/8"	0.50	12.7	0.50	12.7	0.87	22.2	1.95	49.5
BF-42-12	3/4"x3/4"	0.63	15.9	0.63	15.9	1.06	27.0	2.32	59.0
BF-42-14	7/8"x7/8"	0.75	19.1	0.75	19.1	1.25	31.8	2.72	69.1
BF-42R-0403	1/4"x3/16"	0.19	4.78	0.13	3.18	0.44	11.1	1.08	27.5
BF-42R-0504	5/16"x1/4"	0.26	6.70	0.19	4.78	0.56	14.3	1.30	33.1
BF-42R-0604	3/8"x1/4"	0.28	7.14	0.19	4.78	0.63	15.9	1.36	34.5
BF-42R-0605	3/8"x5/16"	0.28	7.14	0.22	5.50	0.63	15.9	1.43	36.2
BF-42R-0804	1/2"x1/4"	0.41	10.3	0.19	4.78	0.75	19.1	1.48	37.6
BF-42R-0806	1/2"x3/8"	0.41	10.3	0.28	7.14	0.75	19.1	1.59	40.4
BF-42R-1006	5/8"x3/8"	0.50	12.7	0.28	7.14	0.87	22.2	1.70	43.3
BF-42R-1008	5/8"x1/2"	0.52	13.1	0.41	10.3	0.87	22.2	1.78	45.2



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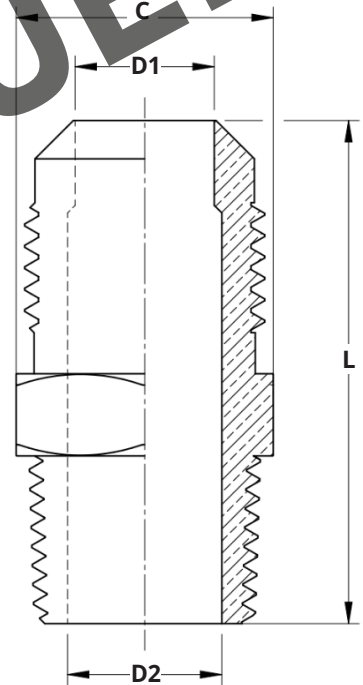
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BII-BF-45,BF-42(R)-0325(2711,604,313)V2

BF-48 SERIES - FLARE x MPT HALF UNION

DIMENSIONS									
Part No.	Size (Flare x MPT)	D1		D2		C		L	
		in	mm	in	mm	in	mm	in	mm
BF-48-0202	1/8"x1/8"	0.08	2.11	0.22	5.56	0.44	11.1	1.00	25.4
BF-48-0302	3/16"x1/8"	0.13	3.18	0.22	5.56	0.44	11.1	1.00	25.4
BF-48-0304	3/16"x1/4"	0.13	3.18	0.34	8.71	0.44	11.1	1.17	29.7
BF-48-0402	1/4"x1/8"	0.19	4.78	0.22	5.56	0.44	11.1	1.04	26.4
BF-48-0404	1/4"x1/4"	0.19	4.78	0.34	8.71	0.56	14.3	1.10	27.9
BF-48-0408	1/4"x1/2"	0.19	4.78	0.59	15.1	0.87	22.2	1.29	32.8
BF-48-0502	5/16"x1/8"	12.7	5.50	0.22	5.50	0.56	14.3	1.26	32.0
BF-48-0504	5/16"x1/4"	12.7	5.50	0.34	8.71	0.56	14.3	1.26	32.0
BF-48-0506	5/16"x3/8"	12.7	5.50	0.44	11.1	0.69	17.5	1.33	33.8
BF-48-0508	5/16"x1/2"	12.7	5.50	0.58	14.7	0.87	22.2	1.37	34.7
BF-48-0602	3/8"x1/8"	0.28	7.14	0.22	5.54	0.63	15.9	1.23	31.2
BF-48-0604	3/8"x1/4"	0.28	7.14	0.34	8.71	0.63	15.9	1.34	34.0
BF-48-0606	3/8"x3/8"	0.28	7.14	0.44	11.1	0.69	17.5	1.37	34.8
BF-48-0608	3/8"x1/2"	0.28	7.14	0.58	14.7	0.87	22.2	1.42	36.1
BF-48-0612	3/8"x3/4"	0.28	7.14	0.75	19.1	1.06	27.0	1.55	39.4
BF-48-0804	1/2"x1/4"	0.41	10.3	0.34	8.70	0.75	19.1	1.46	37.1
BF-48-0806	1/2"x3/8"	0.41	10.3	0.45	11.5	0.75	19.1	1.47	37.3
BF-48-0808	1/2"x1/2"	0.41	10.3	0.59	15.1	0.87	22.2	1.52	38.5
BF-48-0812	1/2"x3/4"	0.41	10.3	0.78	19.8	1.06	27.0	1.68	42.7
BF-48-1006	5/8"x3/8"	0.50	12.7	0.41	10.3	0.87	22.2	1.70	43.2
BF-48-1008	5/8"x1/2"	0.50	12.7	0.59	15.1	0.87	22.2	1.66	42.1
BF-48-1012	5/8"x3/4"	0.50	12.7	0.75	19.1	1.06	27.0	1.81	46.0
BF-48-1208	3/4"x1/2"	0.69	17.5	0.58	14.7	1.06	27.0	1.83	46.5
BF-48-1212	3/4"x3/4"	0.69	17.5	0.75	19.1	1.06	27.0	1.97	50.0
BF-48-1408	7/8"x1/2"	0.75	19.1	0.53	13.5	1.25	31.8	2.07	52.5
BF-48-1412	7/8"x3/4"	0.75	19.1	0.75	19.1	1.25	31.8	2.35	59.7



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