



UNIFIT METALLOYS INC
AN ISO 9001 : 2008 CERTIFIED COMPANY

Compression Tube Fittings and Valves





UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

Compression Tube Fittings Single-ferrule and Twin-ferrule

Material: SUS304, SUS316 STAINLESS STEEL & BRASS

Thread Option: NPT, PT, BST, NPS, PS, BSP

Available Modes

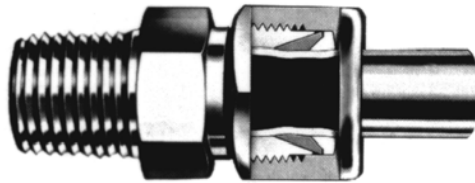
MC MALE CONNECTOR 	FC FEMALE CONNECTOR 	U EQUAL UNION 	RU REDUCING UNION 
BU BULKHEAD UNION 	BMC BULKHEAD MALE CONNECTOR 	ME MALE ELBOW 	FE FEMALE ELBOW 
UE UNION ELBOW 	UT UNION TEE 	UCR UNION CROSS 	MBT MALE BRANCH TEE 
MRT MALE RUN TEE 	FBT FEMALE BRANCH TEE 	FRT FEMALE RUN TEE 	FF FRONT FERRULE 
BF BACK FERRULE 	N NUT 	P PLUG 	C CAP 
ODSW SOCKET WELDING PIPE CONNECTOR 	ODBW BUTT WELDING PIPE CONNECTOR 	ODTA REDUCER 	MCH AN UNION CONNECTOR 
TAM MALE TUBE ADAPTER 	TAF FEMALE TUBE ADAPTER 	HN HEX NIPPLE 	RHN REDUCING HEX NIPPLE 
RA REDUCING ADAPTER 	HCG HEX COUPLING 	RHCG REDUCING HEX COUPLING 	RB REDUCING BUSHING 
MET MALE ELBOW 	E ELBOW 	SE STREET ELBOW 	RSE REDUCING STREET ELBOW 
T TEE 	BT BRANCH TEE 	ST STREET TEE 	MT MALE TEE 



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Our Tube Fittings provide a leak-proof, torque-free seal at all tubing connections and eliminate costly, hazardous leaks in instrumentation and process tubing. All the action in the fitting moves along the tube axially instead of with a rotary motion. Since no torque is transmitted from the fitting to the tubing, there is no initial strain which might weaken the tubing. Total system design must be considered to assure safe, trouble-free performance. Material compatibility, adequate ratings, proper installation, operation and maintenance are the responsibility of the system designer and user.



To assure reliable performance, our Tube Fittings are composed of four precision-made components, all manufactured to very stringent tolerances under rigid quality control procedures. The consistency and quality of these matched components has permitted their use in many difficult and severe devices. Although the fitting consists of four components: Nut, Back Ferrule, Front Ferrule and Body, it becomes a five-piece connection when affixed to the tubing. The two-ferrule design and sequential action of the fitting overcome variations in tube materials, wall thickness and hardness to assure safe, reliable, leak-free connections. And Our Tube Fittings are easily installed with no special tools required.

HOW TO ORDER

Our tube fittings are ordered by catalog number as listed in this catalog. The catalog numbering system for our tube fittings is designed so that you can easily identify the type.

Configuration, size, and material of the fitting as well as an applicable tubing size and thread connection. The catalog number describes completely assembled fittings. Reference tubing O.D. size first followed by pipe size. In the event all connections are tubing, indicate largest end first.

CATALOG

Part Numbers are descriptive

Example:

<u>MC</u>	—	<u>6</u>	—	<u>1</u>
Type: Male Connector		Tube O.D.: 6mm		Pipe Size: 1/8"

ASSEMBLY INSTRUCTIONS

The following procedures should be followed for assembly of our tube fittings.

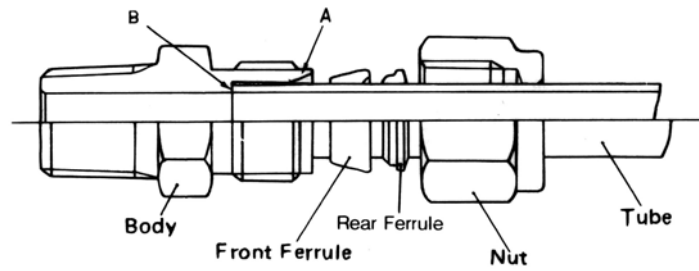


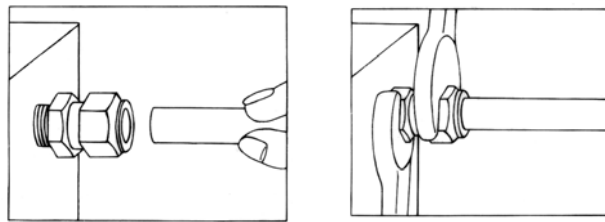
Fig.1

1. Our fittings are supplied to you individually wrapped and pre-assembled allowing for clean, efficient make-up assembly every time (Refer to Fig. 1 for individual component assembly should it be required. Caution should be used to assure ferrules are in proper sequence and direction).

Simply insert the tubing into our tube fitting assuring that cut end of tubing rests firmly against shoulder of fitting stop.

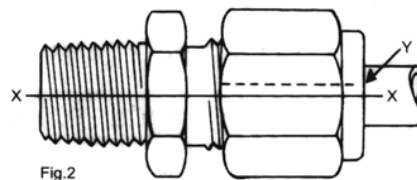
Note: Tubing ends should be cut relatively square and burrs removed. Where practical, the use of a tubing cutter is recommended.

2. Tighten the nut as much as possible by hand. This is referred to as "finger tight".



REASSEMBLY INSTRUCTIONS

1. For repeated assemblies, mark with chalk or some other marking device the nut position (X) prior to loosening the nut as shown in Figure.
2. At reassembly, tighten the nut so that the mark will advance (Y) slightly beyond the original marked position (X).
3. If the above procedure of assembly and disassembly is correctly followed, our tube fitting will continue to provide a leak-tight connection again and again.

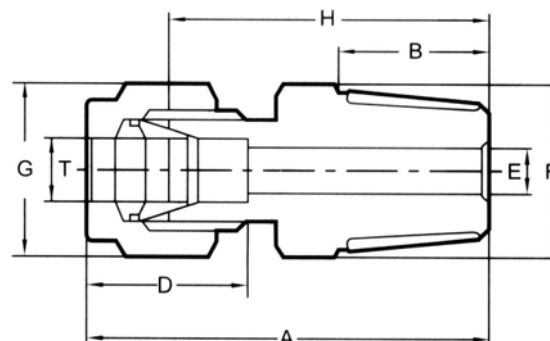
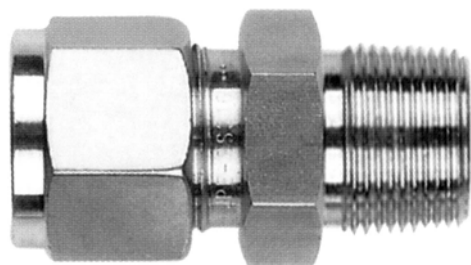




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MC Male Connector



Metric

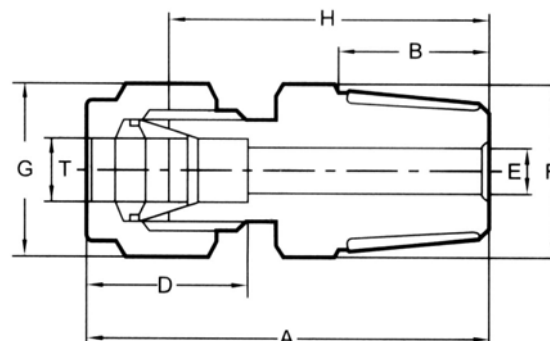
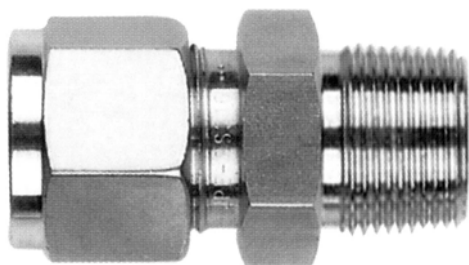
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
2	1/8	MC-2-1	30.8	10	12.9	1	10	10	24.2
3	1/8	MC-3-1	30.8	10	12.9	2	10	10	24.2
3	1/4	MC-3-2	34.4	13	12.9	2	14	10	27.8
4	1/8	MC-4-1	31.5	10.0	13.7	3	10	12	24.9
4	1/4	MC-4-2	35.1	13.0	13.7	3	14	12	28.5
4	3/8	MC-4-3	37.1	14.0	13.7	3	17	12	30.5
4	1/2	MC-4-4	41.1	17.0	13.7	3	22	12	34.5
6	1/8	MC-6-1	33.1	10.0	15.3	5	14	14	25.7
6	1/4	MC-6-2	36.7	13.0	15.3	5	14	14	29.3
6	3/8	MC-6-3	38.2	14.0	15.3	5	17	14	30.8
6	1/2	MC-6-4	42.7	17.0	15.3	5	22	14	35.3
8	1/8	MC-8-1	34.5	10.0	16.2	5	14	17	27.0
8	1/4	MC-8-2	37.5	13.0	16.2	6	14	17	30.0
8	3/8	MC-8-3	39.1	14.0	16.2	6	17	17	31.6
8	1/2	MC-8-4	43.6	17.0	16.2	6	22	17	36.1
10	1/8	MC-10-1	36.6	10.0	17.2	5	19	19	29.0
10	1/4	MC-10-2	39.7	13.0	17.2	6	19	19	32.1
10	3/8	MC-10-3	40.7	14.0	17.2	8	19	19	33.1
10	1/2	MC-10-4	44.5	17.0	17.2	8	22	19	36.9
10	3/4	MC-10-6	48.0	19.0	17.2	8	27	19	40.4
12	1/8	MC-12-1	39.1	10.0	22.8	5	22	22	29.0
12	1/4	MC-12-2	42.2	13.0	22.8	6	22	22	32.1
12	3/8	MC-12-3	43.2	14.0	22.8	8	22	22	33.1
12	1/2	MC-12-4	47.0	17.0	22.8	10	22	22	36.9
12	3/4	MC-12-6	50.5	19.0	22.8	10	27	22	40.4
12	1	MC-12-8	55.3	22.0	22.8	10	34	22	45.2
14	3/8	MC-14-3	43.9	14.0	24.4	8	24	27	33.8
14	1/2	MC-14-4	47.0	17.0	24.4	10	24	27	36.9
14	3/4	MC-14-6	50.5	19.0	24.4	10	27	27	40.4
15	3/8	MC-15-3	47.0	14	24.4	8	24	27	33.8
15	1/2	MC-15-4	49.0	17	24.4	10	24	27	36.9
15	3/4	MC-15-6	50.5	19	24.4	10	27	27	40.4
16	3/8	MC-16-3	43.9	14	24.4	8	24	27	33.8
16	1/2	MC-16-4	47.0	17	24.4	10	24	27	36.9
16	3/4	MC-16-6	50.5	19	24.4	12	27	27	40.4
18	3/8	MC-18-3	45.5	14.0	24.4	8	27	30	35.4
18	1/2	MC-18-4	48.5	17.0	24.4	10	27	30	38.4
18	3/4	MC-18-6	50.5	19.0	24.4	15	27	30	40.4
18	1	MC-18-8	55.3	22.0	24.4	15	34	30	45.2
20	1/2	MC-20-4	50.3	17.0	26.0	10	30	32	40.2
20	3/4	MC-20-6	52.3	19.0	26.0	15	30	32	42.2
22	1/2	MC-22-4	50.3	17.0	26.0	10	30	32	40.2
22	3/4	MC-22-6	52.3	19.0	26.0	16.5	30	32	42.2
22	1	MC-22-8	55.2	22.0	26.0	16.5	34	32	45.1
25	1/2	MC-25-4	55.5	17.0	31.3	10.0	34	38	43.2
25	3/4	MC-25-6	57.5	19.0	31.3	16.5	34	38	45.2
25	1	MC-25-8	60.4	22.0	31.3	20.0	34	38	48.1



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MC Male Connector



Fractional

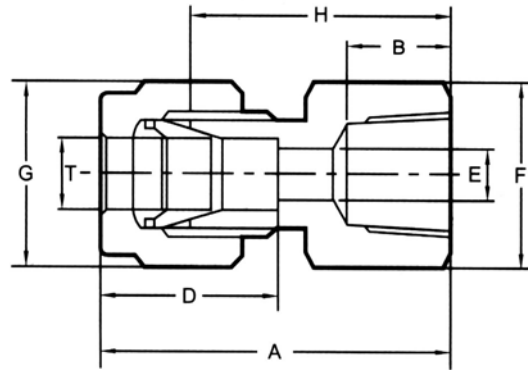
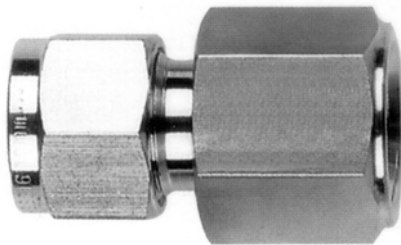
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
1/16	1/8	MC-005-1	26.5	10.0	8.6	1	10	10	22.7
1/16	1/4	MC-005-2	29.8	13.0	8.6	1	14	10	26.0
1/8	1/8	MC-01-1	30.8	10.0	12.7	3	12	10	24.2
1/8	1/4	MC-01-2	34.4	13.0	12.7	3	14	10	27.8
1/8	3/8	MC-01-3	35.6	14.0	12.7	3	17	10	29.0
1/8	1/2	MC-01-4	40.1	17.0	12.7	3	22	10	33.5
3/16	1/8	MC-015-1	31.5	10.0	13.7	3	12	12	24.9
3/16	1/4	MC-015-2	35.1	13.0	13.7	3	14	12	28.5
1/4	1/8	MC-02-1	33.1	10.0	15.3	5	14	14	27.7
1/4	1/4	MC-02-2	36.6	13.0	15.3	5	14	14	29.3
1/4	3/8	MC-02-3	38.2	14.0	15.3	5	17	14	30.8
1/4	1/2	MC-02-4	42.6	17.0	15.3	5	22	14	35.1
1/4	3/4	MC-02-6	46.1	19.0	15.3	5	27	14	38.8
3/8	1/8	MC-03-1	35.6	10.0	16.8	5	17	17	28.2
3/8	1/4	MC-03-2	38.8	13.0	16.8	6	17	17	31.3
3/8	3/8	MC-03-3	39.8	14.0	16.8	8	17	17	32.3
3/8	1/2	MC-03-4	44.1	17.0	16.8	8	22	17	36.8
3/8	3/4	MC-03-6	47.7	19.0	16.8	8	27	17	40.3
1/2	1/8	MC-04-1	39.2	10.0	22.8	5	22	22	29.0
1/2	1/4	MC-04-2	42.2	13.0	22.8	6	22	22	32.1
1/2	3/8	MC-04-3	43.2	14.0	22.8	8	22	22	33.1
1/2	1/2	MC-04-4	46.9	17.0	22.8	10	22	22	36.8
1/2	3/4	MC-04-6	50.4	19.0	22.8	10	27	22	40.3
1/2	1	MC-04-8	55.2	22.0	22.8	10	35	22	45.0
5/8	3/8	MC-05-3	43.9	14.0	24.4	8	24	27	33.8
5/8	1/2	MC-05-4	46.9	17.0	24.4	10	24	27	36.8
5/8	3/4	MC-05-6	50.4	19.0	24.4	12	27	27	40.3
3/4	1/2	MC-06-4	48.4	17.0	24.4	10	27	30	38.2
3/4	3/4	MC-06-6	50.4	19.0	24.4	15	27	30	40.3
3/4	1	MC-06-8	55.2	22.0	24.4	15	35	30	45.0
1	1/2	MC-08-4	55.4	17.0	31.3	10	35	38	43.1
1	3/4	MC-08-6	57.4	19.0	31.3	16.5	35	38	45.1
1	1	MC-08-8	60.4	22.0	31.3	20	35	38	48.1



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FC Female Connector

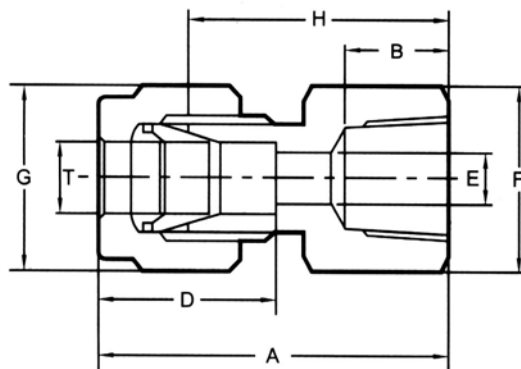
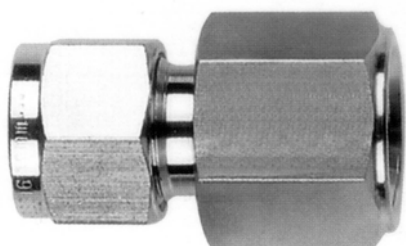


Metric

T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
4	1/8	FC-4-1	29.7	12.0	13.7	3	14	12	23.1
6	1/8	FC-6-1	31.3	12.0	15.3	5	14	14	23.9
6	1/4	FC-6-2	35.8	15.0	15.3	5	17	14	28.4
6	3/8	FC-6-3	37.6	15.0	15.3	5	22	14	30.2
6	1/2	FC-6-4	42.5	20.0	15.3	5	27	14	35.1
8	1/8	FC-8-1	32.1	12.0	16.2	5	14	17	24.6
8	1/4	FC-8-2	37.0	15.0	16.2	6	17	17	29.5
8	3/8	FC-8-3	38.5	15.0	16.2	6	22	17	31.0
8	1/2	FC-8-4	43.3	20.0	16.2	6	27	17	35.8
10	1/8	FC-10-1	34.8	12.0	17.2	5	19	19	27.2
10	1/4	FC-10-2	37.8	15.0	17.2	6	19	19	30.2
10	3/8	FC-10-3	39.4	15.0	17.2	8	22	19	31.8
10	1/2	FC-10-4	44.2	20.0	17.2	8	27	19	36.8
12	1/8	FC-12-1	37.3	12.0	22.8	5	22	22	27.2
12	1/4	FC-12-2	40.3	15.0	22.8	6	22	22	30.2
12	3/8	FC-12-3	41.9	15.0	22.8	8	22	22	31.8
12	1/2	FC-12-4	46.7	20.0	22.8	10	27	22	36.6
12	3/4	FC-12-6	48.3	21.0	22.8	10	32	22	38.2
12	1	FC-12-8	51.3	24.0	22.8	10	40	22	41.2
14	3/8	FC-14-3	41.9	15.0	24.4	8	27	27	31.8
14	1/2	FC-14-4	46.7	20.0	24.4	10	27	27	36.6
14	3/4	FC-14-6	48.3	21.0	24.4	10	32	27	38.2
15	3/8	FC-15-3	41.9	15.0	24.4	8	27	27	31.8
15	1/2	FC-15-4	46.7	20.0	24.4	10	27	27	36.6
15	3/4	FC-15-6	48.3	21.0	24.4	10	32	27	38.2
16	3/8	FC-16-3	42.1	15.0	24.4	8	27	27	32.0
16	1/2	FC-16-4	46.9	20.0	24.4	10	27	27	36.8
16	3/4	FC-16-6	48.5	21.0	24.4	12	32	27	38.4
18	3/8	FC-18-3	42.1	15.0	24.4	14	27	30	32.0
18	1/2	FC-18-4	46.9	20.0	24.4	14	27	30	36.8
18	3/4	FC-18-6	48.2	21.0	24.4	14	32	30	38.4
20	1/2	FC-20-4	47.9	20.0	26.0	16	30	32	37.8
20	3/4	FC-20-6	49.7	21.0	26.0	16	32	32	39.6
22	1/2	FC-22-4	47.9	20.0	26.0	18	30	32	37.8
22	3/4	FC-22-6	49.7	21.0	26.0	18	32	32	39.6
22	1	FC-22-8	57.9	24.0	26.0	18	40	32	47.8
25	3/4	FC-25-6	53.4	21.0	31.3	21	35	38	41.1
25	1	FC-25-8	62.3	24.0	31.3	21	40	38	50.0



FC Female Connector



Fractional

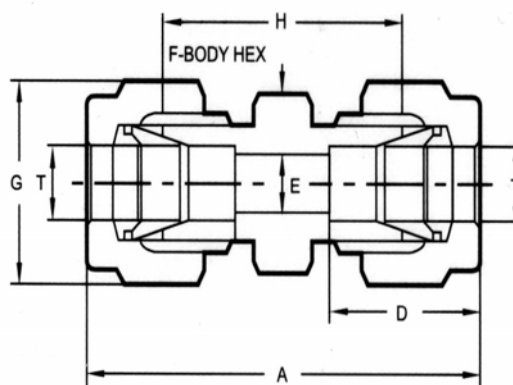
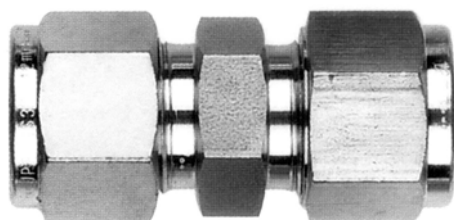
T TUBE O.D.	PT-NPT FEMALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
1/8	1/8	FC-01-1	28.7	12.0	12.7	2	14	10	22.1
1/8	1/4	FC-01-2	33.5	15.0	12.7	2	17	10	27.0
1/4	1/8	FC-02-1	31.2	12.0	15.3	5	14	14	24.0
1/4	1/4	FC-02-2	35.8	15.0	15.3	5	17	14	28.4
1/4	3/8	FC-02-3	37.6	15.0	15.3	5	22	14	30.2
1/4	1/2	FC-02-4	42.4	20.0	15.3	5	27	14	35.1
3/8	1/8	FC-03-1	32.8	12.0	16.8	5	17	19	25.4
3/8	1/4	FC-03-2	37.6	15.0	16.8	6	17	19	30.2
3/8	3/8	FC-03-3	39.1	15.0	16.8	8	22	19	31.8
3/8	1/2	FC-03-4	43.9	20.0	16.8	8	27	19	36.6
3/8	3/4	FC-03-6	47.8	21.0	16.8	8	32	19	40.4
1/2	1/8	FC-04-1	37.3	12.0	22.8	5	22	22	27.2
1/2	1/4	FC-04-2	40.4	15.0	22.8	6	22	22	30.2
1/2	3/8	FC-04-3	42.0	15.0	22.8	8	22	22	31.8
1/2	1/2	FC-04-4	46.7	20.0	22.8	10	27	22	36.6
1/2	3/4	FC-04-6	48.3	21.0	22.8	10	32	22	38.2
1/2	1	FC-04-8	51.3	24.0	22.8	10	40	22	41.2
5/8	3/8	FC-05-3	42.1	15.0	24.4	8	27	27	32.0
5/8	1/2	FC-05-4	46.9	20.0	24.4	11	27	27	36.8
5/8	3/4	FC-05-6	48.5	21.0	24.4	12	32	27	38.4
3/4	1/2	FC-06-4	46.7	20.0	24.4	15	27	30	36.6
3/4	3/4	FC-06-6	48.3	21.0	24.4	15	32	30	38.1
1	3/4	FC-08-6	53.3	21.0	31.3	21	35	38	41.1
1	1	FC-08-8	62.2	24.0	31.3	21	40	38	50.0



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U Equal Union



Metric

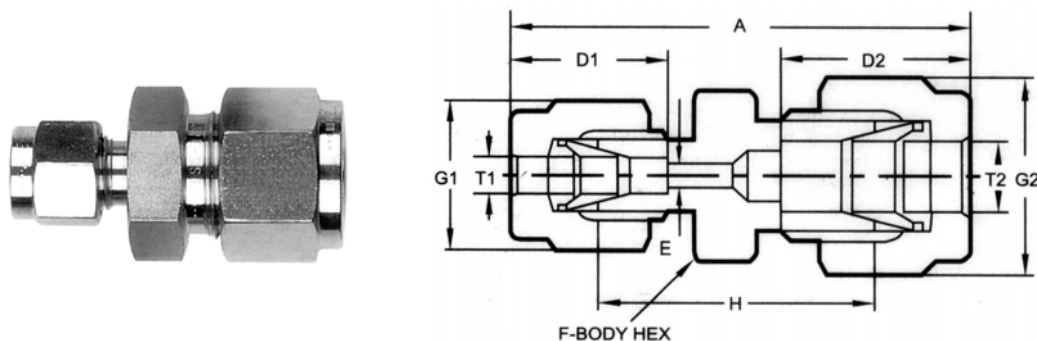
TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H
2	U-2-0	35.6	12.9	1	10	10	22.4
3	U-3-0	35.3	12.9	2	10	10	22.1
4	U-4-0	37.3	13.7	3	12	12	24.1
6	U-6-0	41.0	15.3	5	12	14	26.2
8	U-8-0	43.2	16.2	6	14	17	28.2
10	U-10-0	46.2	17.2	8	19	19	31.0
12	U-12-0	51.2	22.8	10	22	22	31.0
14	U-14-0	52.0	24.4	10	24	27	31.8
15	U-15-0	52.0	24.4	11	24	27	31.8
16	U-16-0	52.0	24.4	12	24	27	31.8
18	U-18-0	53.5	24.4	14	27	30	33.3
20	U-20-0	55.0	26.0	16	30	32	34.8
22	U-22-0	55.0	26.0	18	30	32	34.8
25	U-25-0	65.0	31.3	21	35	38	40.4

Fractional

TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H
1/16	U-005-0	25.1	8.6	1	10	10	17.5
1/8	U-01-0	35.6	12.7	2	10	10	22.4
3/16	U-015-0	37.3	13.7	3	12	12	24.1
1/4	U-02-0	40.9	15.2	4	12	14	26.2
3/8	U-03-0	45.0	16.8	7	17	17	30.2
1/2	U-04-0	51.3	22.9	10	22	22	31.0
5/8	U-05-0	52.1	24.4	12	24	27	31.1
3/4	U-06-0	53.6	24.4	15	27	30	33.3
1	U-08-0	64.8	31.2	21	35	38	40.4



RU Reducing Union



Metric

TUBE O.D.		CATALOG NUMBER	A	D1	D2	E	G1	G2	F	H
T1	T2									
4	3	RU-4-3	38.1	13.7	12.9	2	12	10	12	25.0
4	6	RU-4-6	39.4	13.7	15.3	3	12	14	14	25.4
6	8	RU-6-8	42.3	15.3	16.2	5	14	17	14	27.4
6	10	RU-6-10	44.5	15.3	17.2	5	14	19	19	29.5
6	12	RU-6-12	47.3	15.3	22.8	5	14	22	22	29.5
8	10	RU-8-10	45.1	16.2	17.2	6	17	19	19	30.0
8	12	RU-8-12	47.8	16.2	22.8	6	17	22	22	30.2
10	12	RU-10-12	48.7	17.2	22.8	8	19	22	22	31.0
12	16	RU-12-16	52.0	22.8	24.4	10	22	27	24	31.8
12	18	RU-12-18	53.5	22.8	24.4	10	22	30	27	33.3
18	25	RU-18-25	61.0	24.4	31.3	15	30	38	35	38.6
20	25	RU-20-25	62.0	26.0	31.3	16	32	38	35	39.9

Fractional

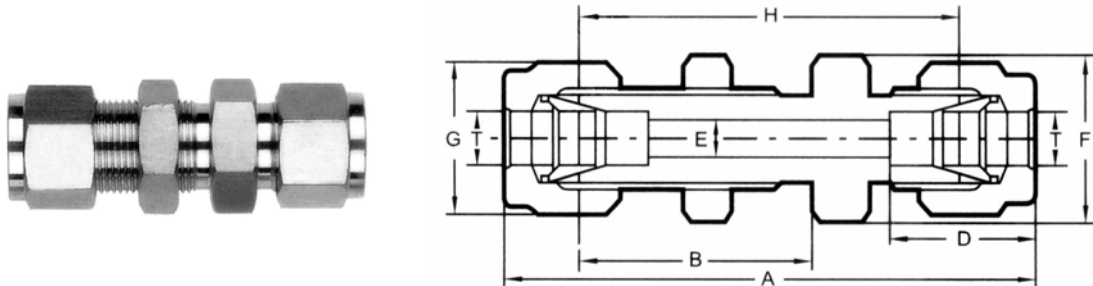
TUBE O.D.		CATALOG NUMBER	A	D1	D2	E	G1	G2	F	H
T1	T2									
1/16	1/8	RU-005-01	31.0	8.6	12.7	1	10	10	12	20.6
1/8	3/16	RU-01-015	36.6	12.7	13.7	3	10	12	12	23.4
1/8	1/4	RU-01-02	38.6	12.7	15.2	3	10	14	14	24.6
1/4	5/16	RU-02-025	42.2	15.2	16.2	5	14	17	14	27.4
1/4	3/8	RU-02-03	43.2	15.2	16.8	5	14	17	17	28.4
1/4	1/2	RU-02-04	47.0	15.2	22.8	5	14	22	22	29.5
3/8	1/2	RU-03-04	48.5	16.8	22.8	7	17	22	22	31.0
1/2	3/4	RU-04-06	53.6	22.8	24.4	10	22	30	27	33.3
3/4	1	RU-06-08	62.7	24.4	31.2	15	30	38	35	40.4



UNIFIT METALLOYS INC

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BU Bulkhead Union



Metric

TUBE O.D.	CATALOG NUMBER	A	B	D	E	F	G	H	PANEL HOLE SIZE	MAX PANEL THICK
6	BU-6-0	57.7	26.2	15.3	5	17	14	42.9	11.5	10.2
8	BU-8-0	61.0	28.6	16.2	6	19	17	46.0	13.1	11.2
10	BU-10-0	63.7	29.4	17.2	8	19	19	48.5	16.3	11.2
12	BU-12-0	71.0	31.8	22.8	10	24	22	50.8	19.5	12.7
14	BU-14-0	72.5	32.5	24.4	10	27	27	52.3	22.5	12.7
15	BU-15-0	72.5	32.5	24.4	11	27	27	52.3	22.8	12.7
16	BU-16-0	72.5	32.5	24.4	13	27	27	52.3	22.8	12.7
18	BU-18-0	78.9	37.3	24.4	14	30	30	58.7	26.0	16.8
20	BU-20-0	84.5	42.9	26.0	16	35	32	64.3	29.0	23.9
22	BU-22-0	84.5	42.9	26.0	18	35	32	64.3	29.0	23.9
25	BU-25-0	99.5	50.0	31.3	21	40	38	75.5	33.2	26.0

Fractional

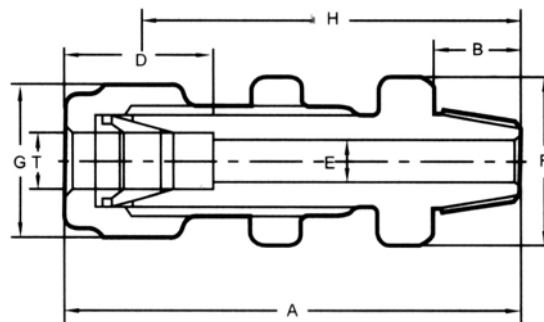
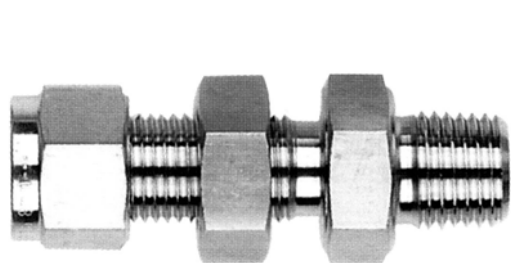
TUBE O.D.	CATALOG NUMBER	A	B	D	E	F	G	H	PANEL HOLE SIZE	MAX PANEL THICK
1/4	BU-02-0	57.7	26.0	15.2	5	17	14	42.9	11.5	10.2
3/8	BU-03-0	62.2	29.0	16.8	7	19	17	46.0	16.3	11.2
1/2	BU-04-0	71.1	31.0	22.8	10	24	22	50.8	19.5	12.7
3/4	BU-06-0	79.0	38.0	24.4	15	30	30	58.7	26.0	16.8
1	BU-08-0	95.8	50.0	31.2	21	40	38	71.4	33.2	26.0



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

BMC Bulkhead Male Connector



Metric

TUBE O.D.	PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	D	E	F	G	H	PANEL HOLE SIZE	MAX PANEL THICK
6	1/8	BMC-6-1	50.9	10	15.3	5.0	17	14	42.4	11.5	10.2
6	1/4	BMC-6-2	53.6	13	15.3	5.0	17	14	46.2	11.5	10.2
6	3/8	BMC-6-3	54.9	14	15.3	5.0	17	14	40.9	11.5	10.2
6	1/2	BMC-6-4	57.9	17	15.3	5.0	22	14	43.9	11.5	10.2
8	1/8	BMC-8-1	53.4	10	16.2	6.0	19	17	38.4	13.1	11.2
8	1/4	BMC-8-2	56.4	13	16.2	6.0	19	17	41.4	13.1	11.2
8	3/8	BMC-8-3	57.4	14	16.2	6.0	19	17	42.4	13.1	11.2
8	1/2	BMC-8-4	60.4	17	16.2	6.0	22	17	45.4	13.1	11.2
10	1/4	BMC-10-2	56.0	13	17.2	8.0	19	19	42.0	16.3	11.2
10	3/8	BMC-10-3	56.0	14	17.2	8.0	19	19	43.0	16.3	11.2
10	1/2	BMC-10-4	56.0	17	17.2	8.0	24	19	47.0	16.3	11.2
12	1/4	BMC-12-2	62.2	13	22.8	10.0	24	22	42.7	19.5	12.7
12	3/8	BMC-12-3	63.2	14	22.8	10.0	24	22	43.7	19.5	12.7
12	1/2	BMC-12-4	68.8	17	22.8	10.0	24	22	58.7	19.5	12.7

Fractional

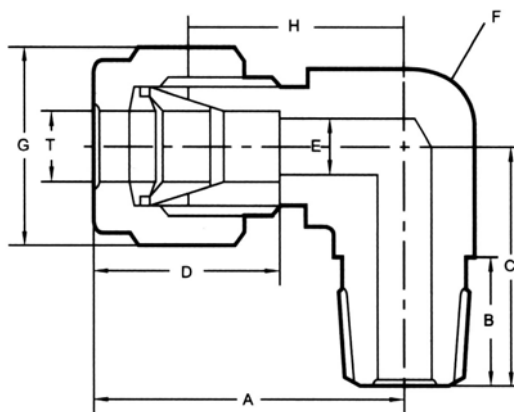
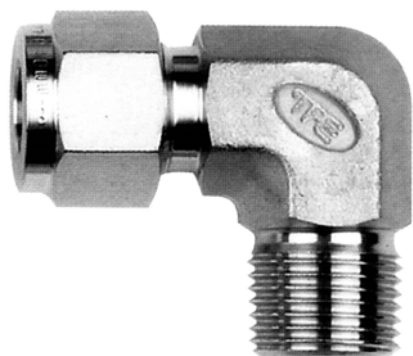
TUBE O.D.	PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	D	E	F	G	H	PANEL HOLE SIZE	MAX PANEL THICK
1/4	1/8	BMC-02-1	50.9	10	15.3	5.0	17	14	42.4	11.5	10.2
1/4	1/4	BMC-02-2	49.5	13	15.3	5.0	17	14	46.7	11.5	10.2
1/4	3/8	BMC-02-3	54.9	14	15.3	5.0	17	14	40.9	11.5	10.2
1/4	1/2	BMC-02-4	57.9	17	15.3	5.0	22	14	43.9	11.5	10.2
3/8	1/4	BMC-03-2	57.4	13	16.8	8.0	19	17	42.0	16.3	11.2
3/8	3/8	BMC-03-3	57.4	14	16.8	8.0	19	17	43.0	16.3	11.2
3/8	1/2	BMC-03-4	63.8	17	16.8	8.0	22	17	47.0	16.3	11.2
1/2	1/4	BMC-04-2	62.2	13	22.8	10.0	24	22	42.7	19.5	12.7
1/2	3/8	BMC-04-3	63.2	14	22.8	10.0	24	22	43.7	19.5	12.7
1/2	1/2	BMC-04-4	68.8	17	22.8	10.0	24	22	58.8	19.5	12.7



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ME Male Elbow



Metric

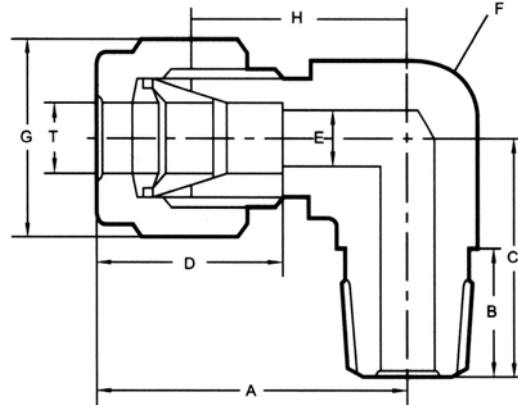
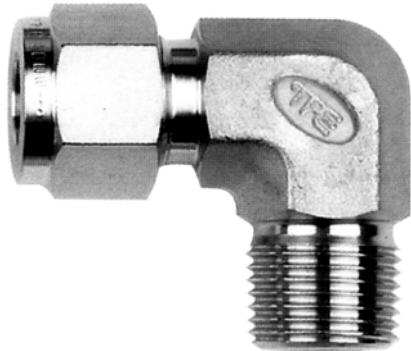
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	C	D	E	F	G	H
3	1/8	ME-3-1	25.4	10	19.8	13	2.4	12	12	18.8
3	1/4	ME-3-2	26.6	13	24.0	13	2.4	14	12	20.0
4	1/8	ME-4-1	25.4	10.0	19.1	13.7	3	12	12	18.8
4	1/4	ME-4-2	26.6	13.0	22.2	13.7	3	14	12	20.0
4	3/8	ME-4-3	28.4	14.0	26.0	13.7	3	17	12	21.8
4	1/2	ME-4-4	31.3	17.0	31.0	13.7	3	22	12	24.7
6	1/8	ME-6-1	27.0	11.0	19.1	15.3	5	12	14	19.6
6	1/4	ME-6-2	27.0	13.0	22.2	15.3	5	14	14	19.6
6	3/8	ME-6-3	29.8	14.0	26.0	15.3	5	17	14	22.4
6	1/2	ME-6-4	31.8	17.0	31.0	15.3	5	22	14	24.4
8	1/8	ME-8-1	28.8	10.0	20.1	16.2	6	14	17	21.3
8	1/4	ME-8-2	28.8	13.0	23.2	16.2	6	14	17	21.3
8	3/8	ME-8-3	30.6	14.0	26.0	16.2	6	17	17	23.1
8	1/2	ME-8-4	32.6	17.0	31.0	16.2	6	22	17	25.1
10	1/8	ME-10-1	31.5	10.0	21.9	17.2	6	17	19	23.9
10	1/4	ME-10-2	31.5	13.0	25.0	17.2	8	17	19	23.9
10	3/8	ME-10-3	31.5	14.0	26.0	17.2	8	17	19	23.9
10	1/2	ME-10-4	33.5	17.0	31.0	17.2	8	22	19	25.9
12	1/8	ME-12-1	36.0	10.0	25.7	22.8	10	22	22	25.9
12	1/4	ME-12-2	36.0	13.0	27.0	22.8	10	22	22	25.9
12	3/8	ME-12-3	36.0	14.0	28.0	22.8	10	22	22	25.9
12	1/2	ME-12-4	36.0	17.0	31.0	22.8	10	22	22	25.9
12	3/4	ME-12-6	39.8	19.0	36.8	22.8	10	27	22	29.7
12	1	ME-12-8	45.3	22.0	45.2	22.8	10	34	22	35.2
14	3/8	ME-14-3	38.0	14.0	29.0	24.4	10	24	27	27.9
14	1/2	ME-14-4	38.0	17.0	33.1	24.4	10	24	27	27.9
14	3/4	ME-14-6	39.8	19.0	36.8	24.4	10	27	27	29.7
15	3/8	ME-15-3	38.0	14.0	29.0	24.4	11	24	27	27.9
15	1/2	ME-15-4	38.0	17.0	33.1	24.4	11	24	27	27.9
15	3/4	ME-15-6	39.8	19.0	36.8	24.4	11	27	27	29.7
16	3/8	ME-16-3	38.0	14.0	29.0	24.4	12	24	27	27.9
16	1/2	ME-16-4	38.0	17.0	33.1	24.4	12	24	27	27.9
16	3/4	ME-16-6	39.8	19.0	36.8	24.4	12	27	27	29.7
18	3/8	ME-18-3	39.8	14.0	32.5	24.4	14	27	30	29.7
18	1/2	ME-18-4	39.8	17.0	34.8	24.4	14	27	30	29.7
18	3/4	ME-18-6	39.8	19.0	36.8	24.4	14	27	30	29.7
20	1/2	ME-20-4	44.6	17.0	39.7	26.0	16	30	32	34.5
20	3/4	ME-20-6	44.6	19.0	41.7	26.0	16	30	32	34.5
22	1/2	ME-22-4	44.6	17.0	39.7	26.0	18	30	32	34.5
22	3/4	ME-22-6	44.6	19.0	41.7	26.0	18	30	32	34.5
22	1	ME-22-8	44.6	22.0	44.5	26.0	18	34	32	34.5
25	1/2	ME-25-4	49.1	17.0	39.7	31.3	21	34	38	36.8
25	3/4	ME-25-6	49.1	19.0	41.7	31.3	21	34	38	36.8
25	1	ME-25-8	49.1	22.0	44.5	31.3	21	34	38	36.8



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ME Male Elbow



Fractional

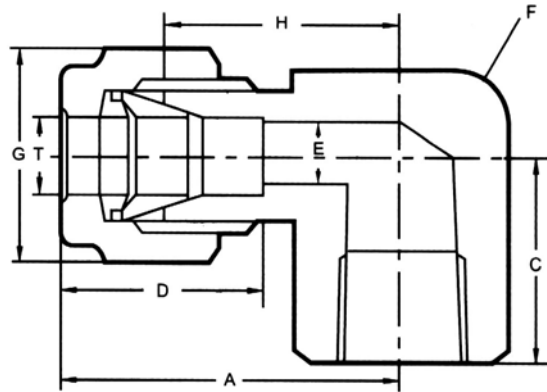
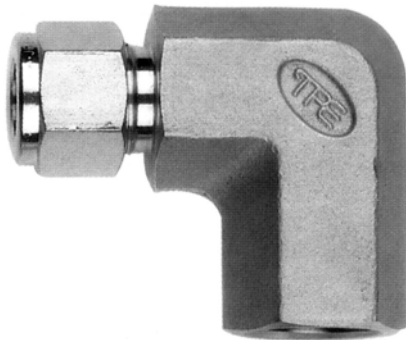
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	C	D	E	F	G	H
1/16	1/8	ME-005-1	19.1	10.0	18.1	8.6	1	10	10	15.2
1/16	1/4	ME-005-2	21.8	13.0	21.6	8.6	1	14	10	18.2
1/8	1/8	ME-01-1	23.6	10.0	18.1	12.7	3	12	10	17.0
1/8	1/4	ME-01-2	24.6	13.0	22.2	12.7	3	14	10	18.0
1/8	3/8	ME-01-3	28.4	14.0	26.8	12.7	3	17	10	21.8
1/8	1/2	ME-01-4	31.3	17.0	32.7	12.7	3	22	10	24.7
3/16	1/8	ME-015-1	25.4	10.0	19.1	13.7	3	12	12	18.8
3/16	1/4	ME-015-2	25.4	13.0	22.2	13.7	3	14	12	18.6
1/4	1/8	ME-02-1	27.0	10.0	19.1	15.3	5	12	14	19.6
1/4	1/4	ME-02-2	27.0	13.0	22.2	15.3	5	14	14	19.6
1/4	3/8	ME-02-3	29.7	14.0	26.0	15.3	5	17	14	22.4
1/4	1/2	ME-02-4	31.8	17.0	31.0	15.3	5	22	14	24.4
3/8	1/8	ME-03-1	30.5	10.0	21.1	16.8	6	17	17	21.3
3/8	1/4	ME-03-2	30.5	13.0	24.2	16.8	8	17	17	21.3
3/8	3/8	ME-03-3	31.2	14.0	26.0	16.8	8	17	17	23.1
3/8	1/2	ME-03-4	33.3	17.0	31.0	16.8	8	22	17	26.0
1/2	1/8	ME-04-1	36.1	10.0	25.7	22.8	10	22	22	26.0
1/2	1/4	ME-04-2	36.1	13.0	27.0	22.8	10	22	22	26.0
1/2	3/8	ME-04-3	36.1	14.0	29.0	22.8	10	22	22	26.0
1/2	1/2	ME-04-4	36.1	17.0	31.0	22.8	10	22	22	26.0
1/2	3/4	ME-04-6	40.0	19.0	36.8	22.8	10	27	22	29.7
1/2	1	ME-04-8	45.3	22.0	45.2	22.8	10	34	22	35.2
5/8	3/8	ME-05-3	38.1	14.0	30.0	24.4	12	24	27	27.9
5/8	1/2	ME-05-4	38.1	17.0	33.1	24.4	12	24	27	27.9
5/8	3/4	ME-05-6	40.0	19.0	36.8	24.4	12	27	27	29.7
3/4	1/2	ME-06-4	40.0	17.0	34.8	24.4	15	27	30	29.7
3/4	3/4	ME-06-6	40.5	19.0	36.8	24.4	15	27	30	29.7
3/4	1	ME-06-8	49.0	22.0	44.5	24.4	15	34	30	36.8
1	3/4	ME-08-6	49.0	19.0	41.7	31.3	21	34	38	36.8
1	1	ME-08-8	49.0	22.0	44.5	31.3	21	34	38	36.8



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

FE Female Elbow



Metric

TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	C	D	E	F	G	H
6	1/8	FE-6-1	27.0	19.1	15.3	5	14	14	19.6
6	1/4	FE-6-2	29.8	22.4	15.3	5	17	14	22.4
6	3/8	FE-6-3	34.6	22.4	15.3	5	22	14	27.2
6	1/2	FE-6-4	37.7	26.4	15.3	5	27	14	30.3
8	1/8	FE-8-1	29.3	20.0	16.2	6	14	17	21.8
8	1/4	FE-8-2	30.6	22.4	16.2	6	17	17	23.1
8	3/8	FE-8-3	34.0	27.7	16.2	6	22	17	26.5
8	1/2	FE-8-4	36.8	31.7	16.2	6	27	17	29.3
10	1/8	FE-10-1	31.5	19.0	17.2	8	17	19	23.9
10	1/4	FE-10-2	33.5	22.4	17.2	8	17	19	25.9
10	3/8	FE-10-3	37.5	27.7	17.2	8	17	19	19.9
10	1/2	FE-10-4	40.3	31.7	17.2	8	22	19	32.7
12	1/8	FE-12-1	36.0	22.4	22.8	10	22	22	25.9
12	1/4	FE-12-2	36.0	22.4	22.8	10	22	22	25.9
12	3/8	FE-12-3	36.0	22.4	22.8	10	22	22	29.9
12	1/2	FE-12-4	38.8	28.4	22.8	10	27	22	28.7
12	3/4	FE-12-6	41.8	32.4	22.8	10	32	22	31.7
14	3/8	FE-14-3	39.8	25.4	24.4	10	27	27	29.7
14	1/2	FE-14-4	39.8	28.4	24.4	10	27	27	29.7
14	3/4	FE-14-6	42.8	32.4	24.4	10	32	27	32.7
15	3/8	FE-15-3	39.8	25.4	24.4	11	27	27	29.7
15	1/2	FE-15-4	39.8	28.4	24.4	11	27	27	29.7
15	3/4	FE-15-6	42.8	32.4	24.4	11	32	27	32.7
16	3/8	FE-16-3	39.8	25.4	24.4	12	27	27	29.7
16	1/2	FE-16-4	39.5	28.4	24.4	12	27	27	29.7
16	3/4	FE-16-6	42.8	32.4	24.4	12	32	27	32.7
18	3/8	FE-18-3	40.5	25.4	24.4	14	27	30	30.4
18	1/2	FE-18-4	40.5	28.4	24.4	14	27	30	30.4
18	3/4	FE-18-6	43.5	32.4	24.4	14	32	30	33.4
20	1/2	FE-20-4	43.5	31.4	26.0	16	32	32	33.4
20	3/4	FE-20-6	46.5	35.4	26.0	16	32	32	36.4
22	1/2	FE-22-4	43.5	31.4	26.0	18	32	32	33.4
22	3/4	FE-22-6	46.5	35.4	26.0	18	32	32	36.4
25	1/2	FE-25-4	47.5	33.4	31.5	21	34	38	35.2
25	3/4	FE-25-6	50.5	37.4	31.5	21	34	38	38.2



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

Fractional

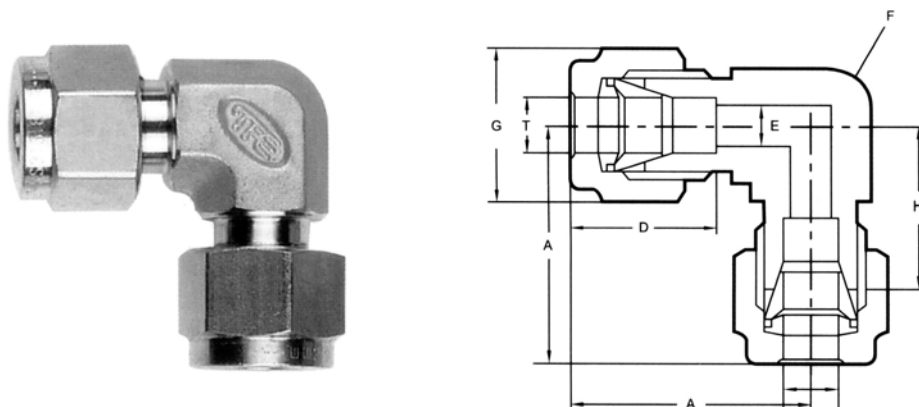
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	C	D	E	F	G	H
1/4	1/8	FE-02-1	27.0	19.1	15.3	5	14	14	19.6
1/4	1/4	FE-02-2	29.7	22.4	15.3	5	17	14	22.4
1/4	3/8	FE-02-3	34.6	22.4	15.3	5	22	14	27.2
1/4	1/2	FE-02-4	37.7	28.4	15.3	5	27	14	30.3
3/8	1/8	FE-03-1	30.5	19.8	16.8	7	17	17	23.1
3/8	1/4	FE-03-2	31.2	22.4	16.8	7	17	17	24.0
3/8	3/8	FE-03-3	33.3	22.4	16.8	7	22	17	26.0
3/8	1/2	FE-03-4	36.1	28.4	16.8	7	27	17	28.7
1/2	1/8	FE-04-1	36.0	22.4	22.8	10	22	22	25.9
1/2	1/4	FE-04-2	36.1	22.4	22.8	10	22	22	26.0
1/2	3/8	FE-04-3	36.1	22.4	22.8	10	22	22	26.0
1/2	1/2	FE-04-4	39.0	28.4	22.8	10	27	22	28.7
1/2	3/4	FE-04-6	41.8	32.4	22.8	10	32	22	31.7
5/8	3/4	FE-05-6	42.8	32.4	24.4	12	32	27	32.7
3/4	1/2	FE-06-4	39.9	28.4	24.4	15	27	30	29.7
3/4	3/4	FE-06-6	44.7	32.4	24.4	15	32	30	34.5
1	3/4	FE-08-6	49.0	32.4	31.3	21	34	38	36.8



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

UE Union Elbow



Metric

TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H
3	UE-3-0	22.3	12.9	2.0	12.0	10.0	15.7
4	UE-4-0	25.4	13.7	3.0	12.0	12.0	18.8
6	UE-6-0	27.0	15.3	5.0	12.0	14.0	19.6
8	UE-8-0	28.8	16.2	6.0	14.0	17.0	21.3
10	UE-10-0	31.5	17.2	8.0	17.0	19.0	23.9
12	UE-12-0	36.0	22.8	10.0	22.0	22.0	25.9
14	UE-14-0	38.0	24.4	10.0	24.0	27.0	27.9
15	UE-15-0	38.8	24.4	11.0	24.0	27.0	27.9
16	UE-16-0	38.0	24.4	12.0	24.0	27.0	27.9
18	UE-18-0	39.8	24.4	14.0	27.0	30.0	29.7
20	UE-20-0	44.6	26.0	16.0	30.0	32.0	34.5
22	UE-22-0	44.6	26.0	18.0	30.0	32.0	34.5
25	UE-25-0	49.1	31.3	21.0	34.0	38.0	36.8

Fractional

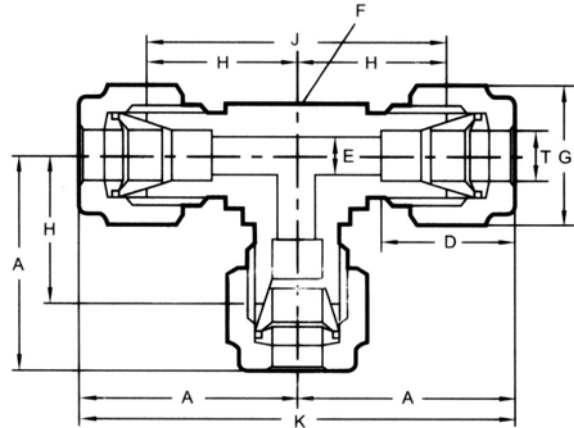
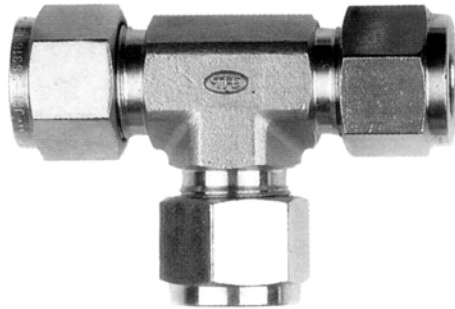
TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H
1/16	UE-005-0	17.8	8.6	1.0	10.0	10.0	14.0
1/8	UE-01-0	22.4	12.7	3.0	12.0	12.0	15.8
3/16	UE-015-0	25.4	13.7	3.0	12.0	12.0	18.8
1/4	UE-02-0	27.0	15.2	5.0	12.0	14.0	19.6
3/8	UE-03-0	30.5	16.8	8.0	17.0	17.0	21.3
1/2	UE-04-0	36.0	22.8	10.0	22.0	22.0	23.1
5/8	UE-05-0	38.1	24.4	12.0	24.0	27.0	26.0
3/4	UE-06-0	40.0	24.4	15.0	27.0	30.0	29.7
1	UE-08-0	49.0	26.0	21.0	34.0	38.0	36.8



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

UT Union Tee



Metric

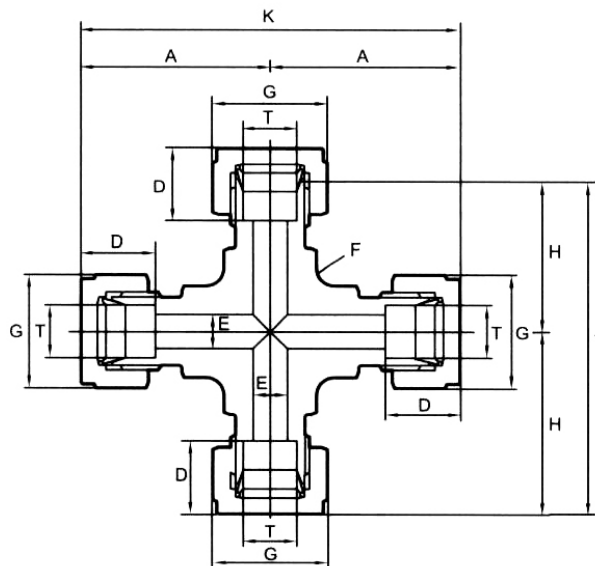
TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H	J	K
3	UT-3-0	22.3	12.9	2.0	12.0	10.0	15.7	31.5	44.7
4	UT-4-0	25.4	13.7	3.0	12.0	12.0	18.8	37.6	50.8
6	UT-6-0	27.0	15.3	5.0	12.0	14.0	19.6	39.1	53.9
8	UT-8-0	29.9	16.2	6.0	14.0	17.0	22.4	44.7	59.7
10	UT-10-0	31.5	17.2	8.0	17.0	19.0	23.9	47.8	63.0
12	UT-12-0	36.0	22.8	10.0	22.0	22.0	25.9	51.8	72.0
14	UT-14-0	38.8	24.4	10.0	24.0	27.0	28.7	57.4	77.6
15	UT-15-0	38.8	24.4	11.0	24.0	27.0	28.7	57.4	77.6
16	UT-16-0	38.8	24.4	12.0	24.0	27.0	28.7	57.4	77.6
18	UT-18-0	38.8	24.4	14.0	27.0	30.0	29.7	59.4	79.5
20	UT-20-0	44.6	26.0	16.0	30.0	32.0	34.5	69.1	89.3
22	UT-22-0	44.6	26.0	18.0	30.0	32.0	34.5	69.1	89.3
25	UT-25-0	49.1	31.3	21.0	35.0	38.0	36.8	73.7	98.3

Fractional

TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H	J	K
1/16	UT-005-0	17.8	8.6	1.0	12.0	10.0	14.0	28.0	35.6
1/8	UT-01-0	22.4	12.7	2.0	12.0	10.0	15.8	31.4	44.8
3/16	U-015-0	25.4	13.7	3.0	12.0	12.0	19.6	39.1	50.8
1/4	UT-02-0	27.0	15.2	5.0	12.0	14.0	22.4	44.8	54.0
3/8	UT-03-0	30.5	16.8	8.0	17.0	19.0	23.1	46.2	61.0
1/2	UT-04-0	36.0	22.8	10.0	22.0	22.0	26.0	52.0	72.0
5/8	UT-05-0	38.9	24.4	12.0	24.0	27.0	28.7	57.4	77.8
3/4	UT-06-0	40.0	26.0	15.0	27.0	30.0	29.7	59.4	80.0
1	UT-08-0	49.0	31.2	21.0	35.0	38.0	36.8	73.6	98.0



UCR Union Cross



Metric

TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H	J	K
3	UCR-3-0	25.5	14.0	2.4	12	10	18.5	37	51.0
6	UCR-6-0	30.2	15.2	5	14	14	23	46	60.4
8	UCR-8-0	30.5	16.5	6	14	17	23	46	61.0
10	UCR-10-0	31.5	19.5	8	17	19	24	48	63.0
12	UCR-12-0	37.0	23.6	10	20	22	26	52	74.0

Fractional

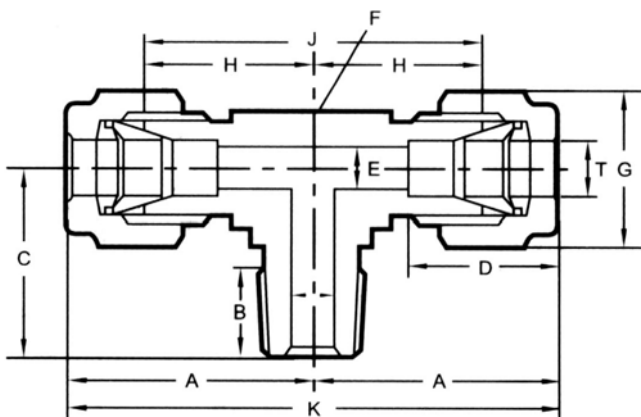
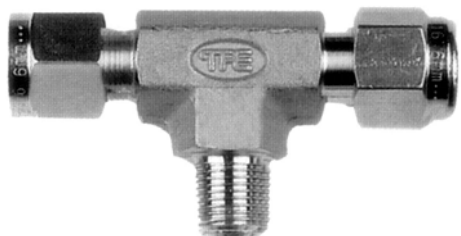
TUBE O.D.	CATALOG NUMBER	A	D	E	F	G	H	J	K
1/8	UCR-01-0	25.5	14.0	2	12	10	18.5	37	51.0
1/4	UCR-02-0	30.2	15.2	5	14	14	23	46	60.4
3/8	UCR-03-0	31.5	18.8	8	17	19	24	48	63.0
1/2	UCR-04-0	37.0	23.6	10	22	22	26	52	74.0



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

MBT Male Branch Tee

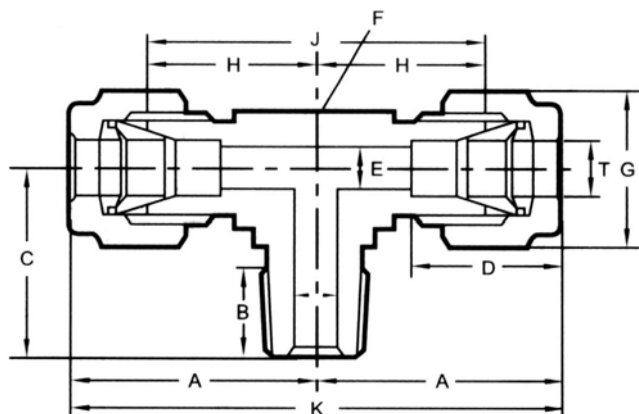
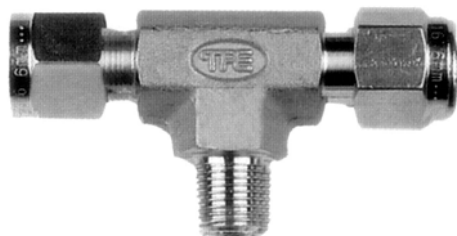


Metric

TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	C	D	E	F	G	H	J	K
4	1/8	MBT-4-1	25.4	10	19.1	13.7	3	12	12	18.8	37.6	50.8
4	1/4	MBT-4-2	25.4	13	22.2	13.7	3	14	12	18.8	37.6	50.8
6	1/8	MBT-6-1	27.0	10	19.1	15.3	5	12	14	19.6	39.2	54.0
6	1/4	MBT-6-2	27.0	13	22.2	15.3	5	14	14	19.6	39.2	54.0
6	3/8	MBT-6-3	29.8	14	26.0	15.3	5	17	14	22.4	44.8	59.4
6	1/2	MBT-6-4	31.8	17	31.0	15.3	5	22	14	24.4	48.8	63.6
8	1/8	MBT-8-1	28.8	10	20.1	16.2	6	14	17	21.3	42.6	57.6
8	1/4	MBT-8-2	28.8	13	23.2	16.2	6	14	17	21.3	42.6	57.6
8	3/8	MBT-8-3	30.6	14	26.0	16.2	6	17	17	21.3	46.2	61.2
8	1/2	MBT-8-4	32.6	17	31.0	16.2	6	22	17	23.1	50.2	65.2
10	1/8	MBT-10-1	31.5	10	21.9	17.2	8	17	19	25.1	47.8	63.0
10	1/4	MBT-10-2	31.5	13	25.0	17.2	8	17	19	23.9	47.8	63.0
10	1/8	MBT-10-3	31.5	14	26.0	17.2	8	17	19	23.9	47.8	63.0
10	1/2	MBT-10-4	33.5	17	31.0	17.2	8	22	19	25.9	51.8	67.0
12	1/8	MBT-12-1	36.0	10	25.7	22.8	10	22	22	25.9	51.8	72.0
12	1/4	MBT-12-2	36.0	13	27.0	22.8	10	22	22	25.9	51.8	72.0
12	3/8	MBT-12-3	36.0	14	28.0	22.8	10	22	22	25.9	51.8	72.0
12	1/2	MBT-12-4	36.0	17	31.0	22.8	10	22	22	25.9	51.8	72.0
12	3/4	MBT-12-6	39.8	19	36.8	22.8	10	27	22	29.7	59.4	79.6
12	1	MBT-12-8	45.3	22	45.2	22.8	10	35	22	35.2	70.4	90.6
14	1/8	MBT-14-3	38.0	14	29.0	24.4	10	24	27	27.9	55.8	76.0
14	1/4	MBT-14-4	38.0	17	33.1	24.4	10	24	27	27.9	55.8	76.0
14	3/4	MBT-14-6	38.0	19	36.8	24.4	10	27	27	29.7	59.4	79.6
15	3/8	MBT-15-3	38.0	14	29.0	24.4	11	24	27	27.9	55.8	76.0
15	1/2	MBT-15-4	38.0	17	33.1	24.4	11	24	27	29.7	55.8	76.0
15	3/4	MBT-15-6	39.8	19	36.8	24.4	11	27	27	27.9	59.4	79.6
16	3/8	MBT-16-3	38.0	14	29.0	24.4	12	24	27	27.9	55.8	76.0
16	1/2	MBT-16-4	38.0	17	33.1	24.4	12	24	27	27.9	55.8	76.0
16	3/4	MBT-16-6	39.8	19	36.8	24.4	12	27	27	29.7	59.4	79.6
18	3/8	MBT-18-3	39.8	14	32.5	24.4	14	27	30	29.7	59.4	79.6
18	1/2	MBT-18-4	39.8	17	34.8	24.4	14	27	30	29.7	59.4	79.6
18	3/4	MBT-18-6	39.8	19	36.8	24.4	14	27	30	29.7	59.4	79.6
20	1/2	MBT-20-4	44.6	17	39.7	26.0	16	30	32	34.5	69.0	89.2
20	3/4	MBT-20-6	44.6	19	41.7	26.0	16	30	32	34.5	69.0	89.2
22	1/2	MBT-22-4	44.6	17	39.7	26.0	18	30	32	34.5	69.0	89.2
22	3/4	MBT-22-6	44.6	19	41.7	26.0	18	30	32	34.5	69.0	89.2
25	1/2	MBT-25-4	49.1	17	39.7	31.3	21	35	38	36.8	73.6	98.2
25	3/4	MBT-25-6	49.1	19	41.7	31.3	21	35	38	36.8	73.6	98.2
25	1	MBT-25-8	49.1	22	41.5	31.3	21	35	38	36.8	73.6	98.2



MBT Male Branch Tee



Fractional

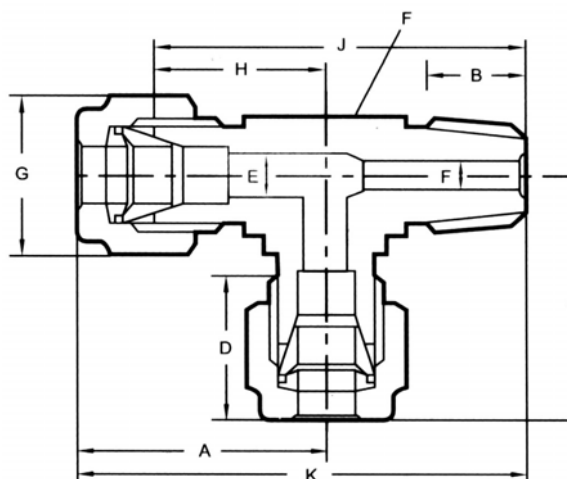
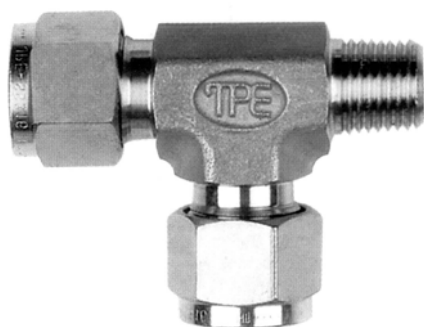
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	C	D	E	F	G	H	J	K
1/8	1/8	MBT-01-1	23.6	10	18.1	12.7	3	12	12	17.0	34.0	47.2
1/8	1/4	MBT-01-2	24.6	13	22.2	12.7	3	14	12	18.0	36.0	49.2
1/4	1/8	MBT-02-1	27.0	10	19.1	15.2	5	12	14	19.6	39.2	54.0
1/4	1/4	MBT-02-2	27.0	13	22.2	15.2	5	14	14	19.6	39.2	54.0
1/4	3/8	MBT-02-3	29.8	14	26.0	15.2	5	17	14	22.4	44.8	59.6
1/4	1/2	MBT-02-4	31.8	17	31.0	15.2	5	22	14	24.4	48.8	63.6
3/8	1/8	MBT-03-1	30.5	10	21.1	16.8	8	17	17	21.3	42.6	61.0
3/8	1/4	MBT-03-2	30.5	13	24.2	16.8	8	17	17	21.3	42.6	61.0
3/8	3/8	MBT-03-3	31.2	14	26.0	16.8	8	17	17	23.1	46.2	62.4
3/8	1/2	MBT-03-4	33.3	17	31.0	16.8	8	22	17	26.0	52.0	66.6
1/2	1/8	MBT-04-1	36.0	10	25.7	22.8	10	22	22	25.9	51.8	72.0
1/2	1/4	MBT-04-2	36.0	13	27.0	22.8	10	22	22	25.9	51.8	72.0
1/2	3/8	MBT-04-3	36.0	14	28.0	22.8	10	22	22	25.9	51.8	72.0
1/2	1/2	MBT-04-4	36.0	17	31.0	22.8	10	22	22	25.9	51.8	72.0
1/2	3/4	MBT-04-6	39.8	19	36.8	22.8	10	27	22	29.7	59.4	79.6
1/2	1	MBT-04-8	45.3	22	45.2	22.8	10	35	22	35.2	70.4	90.6
5/8	3/8	MBT-05-3	38.1	14	30.0	24.4	12	24	27	27.9	55.8	76.2
5/8	1/2	MBT-05-4	38.1	17	33.1	24.4	12	24	27	27.9	55.8	76.2
5/8	3/4	MBT-05-6	40.0	19	36.8	24.4	12	27	27	29.7	59.4	80.0
3/4	3/4	MBT-06-6	40.5	19	36.8	24.4	15	27	30	29.7	59.4	81.0
1	3/4	MBT-08-6	49.0	19	41.7	31.3	21	35	38	36.8	73.6	98.0
1	1	MBT-08-8	49.0	22	44.5	31.3	21	35	38	36.8	73.6	98.0



UNIFIT METALLOYS INC

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MRT Male Run Tee



Metric

TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H	J	K
4	1/8	MRT-4-1	25.4	10	15.3	3	12	12	18.8	37.9	44.5
4	1/4	MRT-4-2	25.4	13	15.3	3	14	12	18.8	41.0	47.6
6	1/8	MRT-6-1	27.0	10	15.3	5	12	14	19.6	38.7	46.1
6	1/4	MRT-6-2	27.0	13	15.3	5	14	14	19.6	41.8	49.2
6	3/8	MRT-6-3	29.8	14	15.3	5	17	14	22.4	48.4	55.8
6	1/2	MRT-6-4	31.8	17	15.3	5	22	14	24.4	55.4	62.8
8	1/8	MRT-8-1	28.8	10	16.2	6	14	17	21.3	41.4	48.9
8	1/4	MRT-8-2	28.8	13	16.2	6	14	17	21.3	46.3	52.0
8	3/8	MRT-8-3	28.8	14	16.2	6	17	17	21.1	49.1	54.8
8	1/2	MRT-8-3	30.6	17	16.2	6	22	17	25.1	56.1	61.6
10	1/8	MRT-10-2	31.5	10	17.2	8	17	19	23.9	45.8	53.4
10	1/4	MRT-10-3	31.5	13	17.2	8	17	19	23.9	48.9	56.5
10	3/8	MRT-10-3	31.5	14	17.2	8	17	19	23.9	49.9	57.5
10	1/2	MRT-10-4	33.5	17	17.2	8	22	19	25.9	56.9	64.5
12	1/8	MRT-12-1	36.0	10	22.8	10	22	22	25.9	51.6	61.7
12	1/4	MRT-12-2	36.0	13	22.8	10	22	22	25.9	52.9	63.0
12	3/8	MRT-12-3	36.0	14	22.8	10	22	22	25.9	53.9	64.0
12	1/2	MRT-12-4	36.0	17	22.8	10	22	22	25.9	56.9	67.0
12	3/4	MRT-12-6	39.8	19	22.8	10	27	22	29.7	66.5	76.6
12	1	MRT-12-8	45.3	22	22.8	10	34	22	35.2	80.4	90.5
14	3/8	MRT-14-3	38.0	14	24.4	10	24	27	27.9	56.9	67.0
14	1/2	MRT-14-4	38.0	17	24.4	10	24	27	27.9	61.0	71.1
14	3/4	MRT-14-6	39.8	19	24.4	10	27	27	29.7	66.5	76.6
15	3/8	MRT-15-3	38.0	14	24.4	10	24	27	27.9	56.9	67.0
15	1/2	MRT-15-4	38.0	17	24.4	10	24	27	27.9	61.0	71.1
15	3/4	MRT-15-6	39.8	19	24.4	10	27	27	29.7	66.5	76.6
16	3/8	MRT-16-3	38.0	14	24.4	12	24	27	27.9	56.9	67.0
16	1/2	MRT-16-4	38.0	17	24.4	12	24	27	27.9	61.0	71.1
16	3/4	MRT-16-6	39.8	19	24.4	12	27	27	29.7	66.5	76.6
18	3/8	MRT-18-3	39.8	14	24.4	14	27	30	29.7	62.2	72.3
18	1/2	MRT-18-4	39.8	17	24.4	14	27	30	29.7	64.5	74.6
18	3/4	MRT-18-6	39.8	19	24.4	14	27	30	29.7	66.5	76.6
20	1/2	MRT-20-4	44.6	17	26.0	16	30	32	34.5	74.2	84.3
20	3/4	MRT-20-6	44.6	19	26.0	16	30	32	34.5	76.2	86.3
22	1/2	MRT-22-4	44.6	17	26.0	18	30	32	34.5	74.2	84.3
22	3/4	MRT-22-6	44.6	19	26.0	18	30	32	34.5	76.2	86.3
25	1/2	MRT-25-4	49.1	17	31.3	21	34	38	36.8	76.5	88.8
25	3/4	MRT-25-6	49.1	19	31.3	21	34	38	36.8	78.5	90.8
25	1	MRT-25-8	49.1	22	31.3	21	34	38	36.8	81.3	93.6



UNIFIT METALLOYS INC

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Fractional

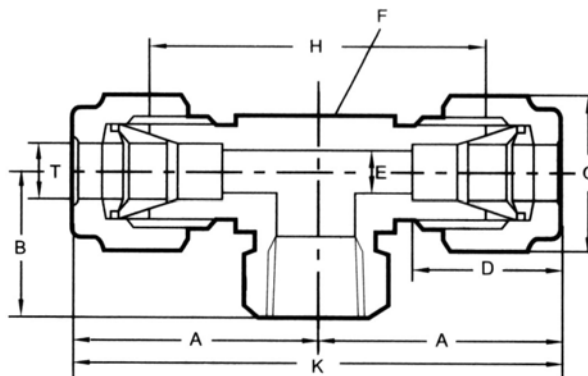
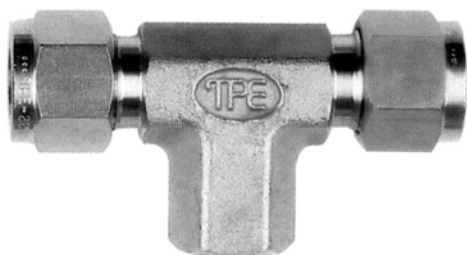
TUBE O.D.	PT-NPT MALE PIPE SIZE	CATALOG NUMBER	A	B	D	E	F	G	H	J	K
1/8 1/8	1/8 1/4	MRT-01-1 MRT-01-2	23.6 24.6	10 13	12.7 12.7	3 3	12 14	12 12	17.0 18.0	35.1 40.2	41.7 46.8
1/4 1/4 1/4 1/4	1/8 1/4 3/8 1/2	MRT-02-1 MRT-02-2 MRT-02-3 MRT-02-4	27.0 27.0 29.8 31.8	10 13 14 17	15.2 15.2 15.2 15.2	5 5 5 5	12 14 17 22	14 14 14 14	19.6 19.6 22.4 24.4	38.7 41.8 48.4 55.4	46.1 49.2 55.8 62.8
3/8 3/8 3/8 3/8	1/8 1/4 3/8 1/2	MRT-03-1 MRT-03-2 MRT-03-3 MRT-03-4	30.5 30.5 31.2 33.3	11 13 14 17	16.8 16.8 16.8 16.8	8 8 8 8	17 17 17 22	17 17 17 17	21.3 21.3 23.1 26.0	42.4 45.5 49.1 57.0	51.6 54.7 57.2 64.3
1/2 1/2 1/2 1/2 1/2 1/2	1/8 1/4 3/8 1/2 3/4 1	MRT-04-1 MRT-04-2 MRT-04-3 MRT-04-4 MRT-04-6 MRT-04-8	36.0 36.0 36.0 36.0 39.8 45.3	11 13 14 17 19 22	22.8 22.8 22.8 22.8 22.8 22.8	10 10 10 10 10 10	22 22 22 22 27 34	22 22 22 22 22 22	25.9 25.9 25.9 25.9 29.7 35.2	51.6 52.9 53.9 56.9 66.5 80.4	61.7 63.0 64.0 67.0 76.6 90.5
5/8 5/8 5/8	3/8 1/2 3/4	MRT-05-3 MRT-05-4 MRT-05-6	38.1 38.1 40.0	14 17 19	24.4 24.4 24.4	12 12 12	24 24 27	27 27 27	27.9 27.9 29.7	57.9 61.0 66.5	68.1 71.2 76.8
3/4 3/4	1/2 3/4	MRT-06-4 MRT-06-6	40.0 40.0	17 19	24.4 24.4	15 15	27 34	30 30	29.7 29.7	66.5 66.5	76.8 76.8
1 1	3/4 1	MRT-08-6 MRT-08-8	49.1 49.1	19 22	31.3 31.3	21 21	34 34	38 38	36.8 36.8	78.5 81.5	90.8 93.6



UNIFIT METALLOYS INC

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FBT Female Branch Tee



Metric

TUBE O.D.	PIPE MALE SIZE PT/NPT	CATALOG NUMBER	A	B	D	E	F	G	H	K
6	1/8	FBT-6-1	27.0	19.1	15.3	5	14	14	39.2	54.0
6	1/4	FBT-6-2	29.8	22.4	15.3	5	17	14	44.8	59.6
6	3/8	FBT-6-3	34.6	22.4	15.3	5	22	14	54.4	69.2
6	1/2	FBT-6-4	37.7	28.4	15.3	5	27	14	60.6	74.6
8	1/8	FBT-8-1	29.3	20.0	16.2	6	14	17	43.6	58.6
8	1/4	FBT-8-2	30.6	22.4	16.2	6	17	17	46.2	61.2
8	3/8	FBT-8-3	34.0	27.7	16.2	6	22	17	53.0	68.0
8	1/2	FBT-8-4	36.8	31.7	16.2	6	27	17	58.6	73.6
10	1/8	FBT-10-1	31.5	19.0	17.2	8	17	19	47.8	63.0
10	1/4	FBT-10-2	33.5	22.4	17.2	8	17	19	51.8	67.0
10	3/8	FBT-10-3	37.5	27.4	17.2	8	22	19	59.8	75.0
10	1/2	FBT-10-4	40.3	31.7	17.2	8	27	19	65.4	80.6
12	1/8	FBT-12-1	36.0	22.4	22.8	10	22	22	51.8	72.0
12	1/4	FBT-12-2	36.0	22.4	22.8	10	22	22	51.8	72.0
12	3/8	FBT-12-3	36.0	22.4	22.8	10	22	22	51.8	72.0
12	1/2	FBT-12-4	38.8	28.4	22.8	10	27	22	57.4	77.6
12	3/4	FBT-12-6	41.8	32.4	22.8	10	32	22	63.4	83.6
14	3/8	FBT-14-3	39.8	25.4	24.4	10	27	27	59.4	79.6
14	1/2	FBT-14-4	39.8	28.4	24.4	10	27	27	59.4	79.6
14	3/4	FBT-14-6	42.8	32.4	24.4	10	32	27	65.4	85.6
15	3/8	FBT-15-3	39.8	25.4	24.4	11	27	27	59.4	79.6
15	1/2	FBT-15-4	39.8	28.4	24.4	11	27	27	59.4	79.6
15	3/4	FBT-15-6	42.8	32.4	24.4	11	32	27	65.4	85.6
16	3/8	FBT-16-3	39.8	25.4	24.4	12	27	27	59.4	79.6
16	1/4	FBT-16-4	39.8	28.4	24.4	12	27	27	59.4	79.6
16	3/4	FBT-16-6	42.8	32.4	24.4	12	32	27	65.4	85.6
18	3/8	FBT-18-3	40.5	25.4	24.4	14	27	30	60.8	81.0
18	1/2	FBT-18-4	40.5	28.4	24.4	14	27	30	60.8	81.0
18	3/4	FBT-18-6	43.5	32.4	24.4	14	32	30	66.8	87.0
20	1/2	FBT-20-4	43.5	31.4	26.0	16	32	32	66.8	87.0
20	3/4	FBT-20-6	46.5	35.4	26.0	16	32	32	72.8	93.0
22	1/2	FBT-22-4	43.5	31.4	26.0	18	32	32	66.8	87.0
22	3/4	FBT-22-6	46.5	35.4	26.0	18	32	32	72.8	93.0
25	1/2	FBT-25-4	47.5	33.4	31.3	21	34	38	71.0	95.0
25	3/4	FBT-25-6	50.5	37.4	31.3	21	34	38	76.4	101.0



UNIFIT METALLOYS INC

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Fractional

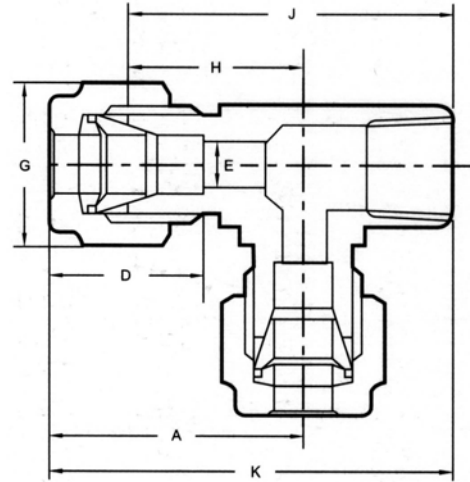
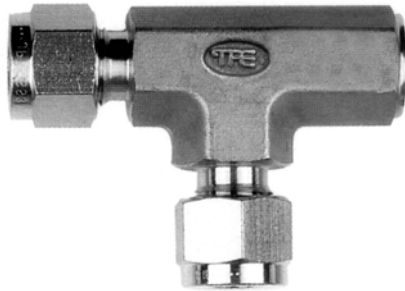
TUBE O.D.	PIPE MALE SIZE PT/NPT	CATALOG NUMBER	A	B	D	E	F	G	H	K
1/4	1/8	FBT-02-1	27.0	19.1	15.2	5	14	14	39.2	54.0
1/4	1/4	FBT-02-2	29.8	22.4	15.2	5	17	14	44.8	59.6
1/4	3/8	FBT-02-3	34.6	22.4	15.2	5	22	14	54.4	69.2
1/4	1/2	FBT-02-4	37.7	28.4	15.2	5	27	14	60.6	74.6
3/8	1/8	FBT-03-1	30.5	19.8	16.8	7	17	17	46.2	61.0
3/8	1/4	FBT-03-2	31.2	22.4	16.8	7	17	17	48.0	62.4
3/8	3/8	FBT-03-3	33.3	22.4	16.8	7	22	17	52.0	66.6
3/8	1/2	FBT-03-4	36.1	28.4	16.8	7	27	17	57.4	72.2
1/2	1/8	FBT-04-1	36.0	22.4	22.8	10	22	22	51.8	72.0
1/2	1/4	FBT-04-2	36.0	22.4	22.8	10	22	22	51.8	72.0
1/2	3/8	FBT-04-3	36.0	22.4	22.8	10	22	22	51.8	72.0
1/2	1/2	FBT-04-4	38.8	28.4	22.8	10	27	22	57.4	77.6
1/2	3/4	FBT-04-6	41.8	32.4	22.8	10	32	22	63.4	83.6
3/4	1/2	FBT-06-4	39.9	28.4	24.4	15	27	30	59.4	79.8
3/4	3/4	FBT-06-6	44.7	31.7	24.4	15	32	30	69.0	89.4
1	3/4	FBT-08-6	49.0	31.7	31.2	21	34	38	73.6	98.0



UNIFIT METALLOYS INC

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FRT Female Run Tee



Metric

TUBE O.D.	PIPE MALE SIZE PT/NPT	CATALOG NUMBER	A	D	E	F	G	H	J	K
6	1/8	FRT-6-1	27.0	15.3	5	14	14	19.6	38.6	46.0
6	1/4	FRT-6-2	29.8	15.3	5	17	14	22.4	44.7	52.1
6	3/8	FRT-6-3	34.6	15.3	5	22	14	27.2	58.7	57.0
6	1/2	FRT-6-4	37.7	15.3	5	27	14	30.2	41.4	66.1
8	1/8	FRT-8-1	29.9	16.2	6	14	17	22.4	41.4	48.9
8	1/4	FRT-8-2	30.6	16.2	6	17	17	23.1	45.5	53.0
8	3/8	FRT-8-3	34.0	16.2	6	22	17	26.5	54.2	61.7
8	1/2	FRT-8-4	36.8	16.2	6	27	17	29.3	61.0	68.5
10	1/8	FRT-10-1	31.5	17.2	8	17	19	23.9	42.9	50.5
10	1/4	FRT-10-2	33.5	17.2	8	17	19	25.9	48.3	55.9
10	3/8	FRT-10-3	37.5	17.2	8	22	19	29.9	57.6	65.2
10	1/2	FRT-10-4	40.3	17.2	8	27	19	32.7	64.4	72.0
12	1/8	FRT-12-1	36.0	22.8	10	22	22	25.9	48.3	58.4
12	1/4	FRT-12-2	36.0	22.8	10	22	22	25.9	48.3	58.4
12	3/8	FRT-12-3	36.0	22.8	10	22	22	25.9	48.3	58.4
12	1/2	FRT-12-4	38.8	22.8	10	27	22	28.7	57.1	67.2
12	3/4	FRT-12-6	41.8	22.8	10	32	22	31.7	64.1	74.2
14	3/8	FRT-14-3	39.8	24.4	10	27	27	29.7	55.1	65.2
14	1/2	FRT-14-4	39.8	24.4	10	27	27	29.7	58.1	68.2
14	3/4	FRT-14-6	42.8	24.4	10	32	27	32.7	65.1	75.2
15	3/8	FRT-15-3	39.8	24.4	11	27	27	29.7	55.1	65.2
15	1/2	FRT-15-4	39.8	24.4	11	27	27	29.7	58.1	68.2
15	3/4	FRT-15-6	42.8	24.4	11	32	27	32.7	65.1	75.2
16	3/8	FRT-16-3	39.8	24.4	12	27	27	29.7	55.1	65.2
16	1/2	FRT-16-4	39.8	24.4	12	27	27	29.7	58.1	68.2
16	3/4	FRT-16-6	42.8	24.4	12	27	27	32.7	65.1	75.2
18	3/8	FRT-18-3	40.5	24.4	14	27	30	30.4	55.8	65.9
18	1/2	FRT-18-4	40.5	24.4	14	27	30	30.4	58.8	68.9
18	3/4	FRT-18-6	43.5	24.4	14	32	30	33.4	65.8	75.9
20	1/2	FRT-20-4	43.5	26.0	16	32	32	33.4	64.8	74.9
20	3/4	FRT-20-6	46.5	26.0	16	32	32	36.4	71.8	81.9
22	1/2	FRT-22-4	43.5	26.0	18	32	32	33.4	64.8	74.9
22	3/4	FRT-22-6	46.5	26.0	18	32	32	36.4	71.8	81.9
25	1/2	FRT-25-4	47.5	31.3	21	34	38	35.2	68.6	80.9
25	3/4	FRT-25-6	50.5	31.3	21	34	38	38.2	75.6	87.9



UNIFIT METALLOYS INC

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Fractional

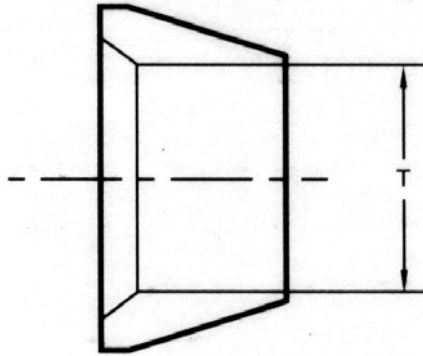
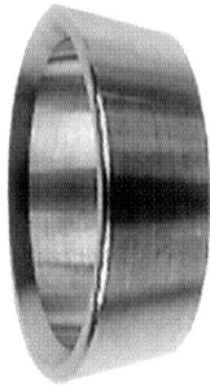
TUBE O.D.	PIPE MALE SIZE PT/NPT	CATALOG NUMBER	A	D	E	F	G	H	J	K
1/4	1/8	FBT-02-1	27.0	15.2	5	14	14	19.6	38.6	46.0
1/4	1/4	FBT-02-2	29.8	15.2	5	17	14	22.4	44.7	52.1
1/4	3/8	FBT-02-3	34.6	15.2	5	22	14	27.2	49.6	57.0
1/4	1/2	FBT-02-4	37.7	15.2	5	27	14	30.2	58.7	66.1
3/8	1/8	FBT-03-1	30.5	16.8	7	17	17	23.1	42.9	50.3
3/8	1/4	FBT-03-2	31.2	16.8	7	17	17	24.0	46.4	53.6
3/8	3/8	FBT-03-3	33.3	16.8	7	22	17	26.0	48.4	55.7
3/8	1/2	FBT-03-4	36.1	16.8	7	27	17	28.7	57.1	64.2
1/2	1/8	FBT-04-1	36.0	22.8	10	22	22	25.9	48.3	58.4
1/2	1/4	FBT-04-2	36.0	22.8	10	22	22	25.9	48.3	58.4
1/2	3/8	FBT-04-3	36.0	22.8	10	22	22	26.0	48.3	58.4
1/2	1/2	FBT-04-4	38.8	22.8	10	27	22	28.7	57.1	67.2
1/2	3/4	FBT-04-6	41.8	22.8	10	32	22	31.7	64.1	74.2
3/4	1/2	FBT-06-4	39.9	24.4	15	27	30	29.7	51.8	68.3
3/4	3/4	FBT-06-6	44.7	24.4	15	32	30	34.5	66.2	76.4
1	3/4	FBT-08-6	50.5	31.3	21	34	38	38.2	75.6	87.9



UNIFIT METALLOYS INC

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FF Front Ferrule



Metric

TUBE O.D.	CATALOG NUMBER
2	FF-2
3	FF-3
4	FF-4
6	FF-6
8	FF-8
10	FF-10
12	FF-12
14	FF-14
15	FF-15
16	FF-16
18	FF-18
20	FF-20
22	FF-22
25	FF-25

Fractional

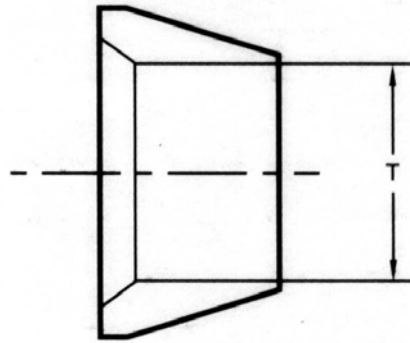
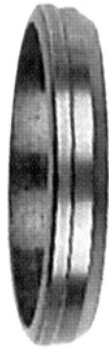
TUBE O.D.	CATALOG NUMBER
1/16	FF-005
1/8	FF-01
3/16	FF-015
1/4	FF-02
3/8	FF-03
1/2	FF-04
5/8	FF-05
3/4	FF-06
1	FF-08



UNIFIT METALLOYS INC

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BF Back Ferrule



Metric

TUBE O.D.	CATALOG NUMBER
2	BF-2
3	BF-3
4	BF-4
6	BF-6
8	BF-8
10	BF-10
12	BF-12
14	BF-14
15	BF-15
16	BF-16
18	BF-18
20	BF-20
22	BF-22
25	BF-25

Fractional

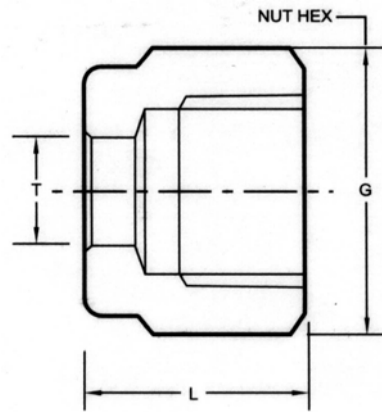
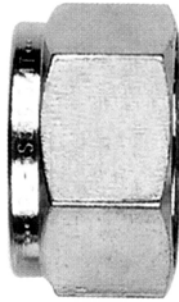
TUBE O.D.	CATALOG NUMBER
1/16	BF-005
1/8	BF-01
3/16	BF-015
1/4	BF-02
3/8	BF-03
1/2	BF-04
5/8	BF-05
3/4	BF-06
1	BF-08



UNIFIT METALLOYS INC

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N Nut



Metric

TUBE O.D.	CATALOG NUMBER	G	L
2	N-2	10	11.9
3	N-3	10	11.9
4	N-4	12	11.9
6	N-6	14	12.7
8	N-8	17	13.5
10	N-10	19	15.1
12	N-12	22	17.4
14	N-14	27	17.4
15	N-15	27	17.4
16	N-16	27	17.4
18	N-18	30	17.4
20	N-20	32	17.4
22	N-22	32	17.4
25	N-25	38	20.6

Fractional

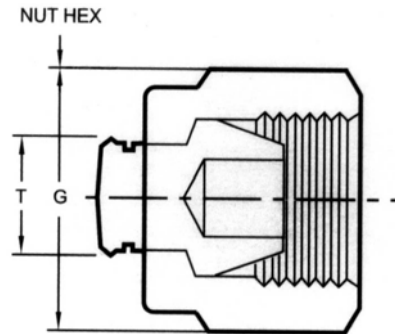
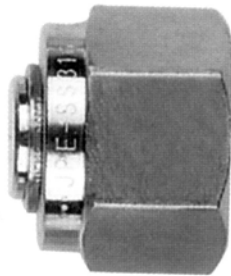
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1/16	N-005	10	7.9
1/8	N-01	10	11.9
3/16	N-015	12	11.9
1/4	N-02	14	12.7
3/8	N-03	17	13.5
1/2	N-04	22	17.5
5/8	N-05	27	17.5
3/4	N-06	30	17.5
1	N-08	38	20.6



UNIFIT METALLOYS INC

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P Plug



Metric

TUBE O.D.	CATALOG NUMBER	G
3	P-3	10
4	P-4	12
6	P-6	14
8	P-8	16
10	P-10	19
12	P-12	22
14	P-14	27
15	P-15	27
16	P-16	27
18	P-18	30
20	P-20	32
22	P-22	32
25	P-25	38

Fractional

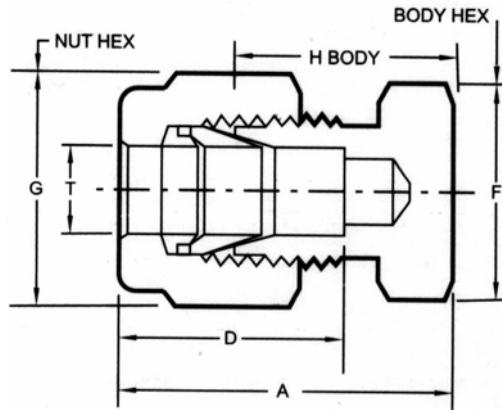
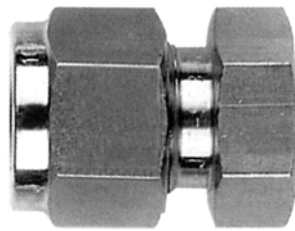
TUBE O.D.	CATALOG NUMBER	G
1/16	P-005	10.0
1/8	P-01	10.0
3/16	P-015	12.0
1/4	P-02	14.0
3/8	P-03	17.0
1/2	P-04	22.0
3/4	P-06	32.0
1	P-08	38.0



UNIFIT METALLOYS INC

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C Cap



Metric

TUBE O.D.	CATALOG NUMBER	A	D	F	G	H
2	C-2	20.1	12.9	12	12	13.5
3	C-3	20.1	12.9	12	12	13.5
4	C-4	21.3	13.7	12	12	14.7
6	C-6	23.1	15.3	14	14	15.7
8	C-8	24.5	16.2	14	17	17.0
10	C-10	26.6	17.2	19	19	19.0
12	C-12	29.1	22.8	22	22	19.0
14	C-14	29.9	24.4	24	27	19.8
15	C-15	29.9	24.4	24	27	19.8
16	C-16	29.9	24.4	24	27	19.8
18	C-18	31.4	24.4	27	30	21.3
20	C-20	34.0	26.0	30	32	23.9
22	C-22	34.0	26.0	30	32	23.9
25	C-25	38.5	31.3	35	41	26.2

Fractional

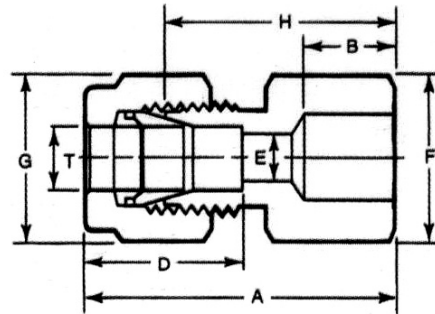
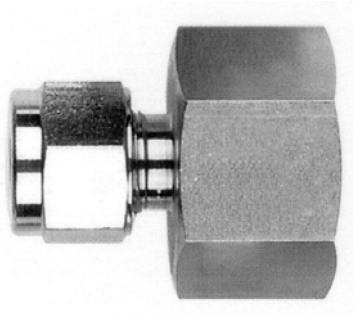
TUBE O.D.	CATALOG NUMBER	A	D	F	G	H
1/16	C-005	15.0	8.6	10	10	11.2
1/8	C-01	20.1	12.7	12	12	13.5
3/16	C-015	21.3	13.7	12	12	14.7
1/4	C-02	23.4	15.2	14	14	17.0
3/8	C-03	25.7	16.3	17	17	18.3
1/2	C-04	29.2	22.8	22	22	19.1
3/4	C-06	31.5	24.4	27	30	21.3
1	C-08	38.4	31.2	35	38	26.2



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ODSW Socket Welding Pipe Connector



Metric

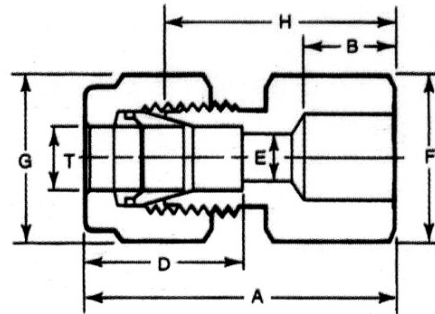
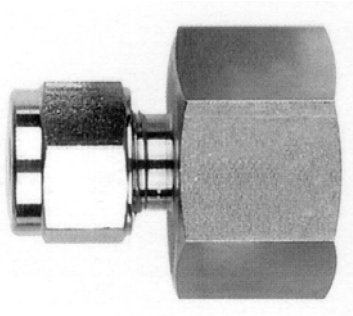
TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
4	1/8	ODSW-4-1	29.7	12	13.7	3	14	12	23.1
6	1/8	ODSW-6-1	31.3	12	15.3	5	14	14	23.9
6	1/4	ODSW-6-2	35.8	15	15.3	5	17	14	28.4
6	3/8	ODSW-6-3	37.6	15	15.3	5	22	14	30.2
6	1/2	ODSW-6-4	42.5	20	15.3	5	27	14	35.1
8	1/8	ODSW-8-1	32.1	12	16.2	5	14	17	24.6
8	1/4	ODSW-8-2	37.0	15	16.2	6	17	17	29.5
8	3/8	ODSW-8-3	38.5	15	16.2	6	22	17	31.0
8	1/2	ODSW-8-4	43.3	20	16.2	6	27	17	35.8
10	1/8	ODSW-10-1	34.8	12	17.2	5	19	19	27.2
10	1/4	ODSW-10-2	37.8	15	17.2	6	19	19	30.2
10	3/8	ODSW-10-3	39.4	15	17.2	8	22	19	36.8
10	1/2	ODSW-10-4	44.2	20	17.2	8	27	19	36.8
12	1/8	ODSW-12-1	37.3	12	22.8	5	22	22	27.2
12	1/4	ODSW-12-2	40.3	15	22.8	6	22	22	30.2
12	3/8	ODSW-12-3	41.9	15	22.8	8	22	22	31.8
12	1/2	ODSW-12-4	46.7	20	22.8	10	27	22	36.6
12	3/4	ODSW-12-6	48.3	21	22.8	10	32	22	38.2
12	1	ODSW-12-8	51.3	24	22.8	10	40	22	41.2
14	3/8	ODSW-14-3	41.9	15	24.5	8	27	27	31.8
14	1/2	ODSW-14-4	46.7	20	24.4	10	27	27	36.6
14	3/4	ODSW-14-6	48.3	21	24.4	10	32	27	38.2
15	3/8	ODSW-15-3	41.9	15	24.4	8	27	27	31.8
15	1/2	ODSW-15-4	46.7	20	24.4	10	27	27	36.6
15	3/4	ODSW-15-6	48.5	21	24.4	12	32	27	38.4
18	3/8	ODSW-18-3	42.1	15	24.0	14	27	30	32.0
18	1/2	ODSW-18-4	46.9	20	24.0	14	27	30	36.8
18	3/4	ODSW-18-6	48.2	21	24.0	14	32	30	38.4
20	1/2	ODSW-20-4	47.9	20	26.0	16	30	32	37.8
20	3/4	ODSW-20-6	49.7	21	26.0	16	32	32	39.6
22	1/2	ODSW-22-4	47.9	20	26.0	16	30	32	37.8
22	3/4	ODSW-22-6	49.7	21	26.0	18	32	32	39.6
22	1	ODSW-22-8	57.9	24	26.0	18	40	32	47.8
25	3/4	ODSW-22-6	53.4	21	31.3	21	35	38	41.1
25	1	ODSW-22-8	62.3	24	31.3	21	40	38	50.0



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ODSW Socket Welding Pipe Connector



Fractional

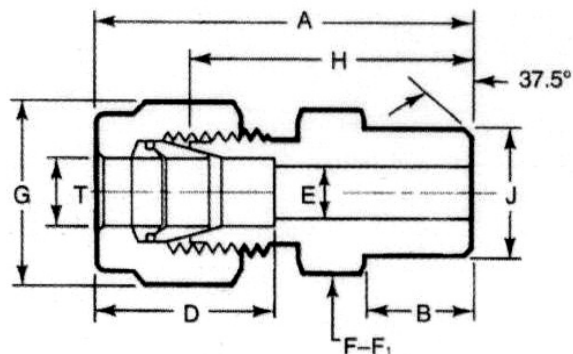
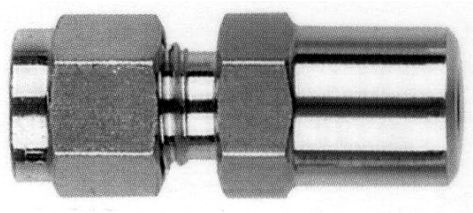
TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	B	D	E	F	G	H
1/8	1/8	ODSW-01-1	28.7	12	12.7	2	14	12	22.1
1/8	1/4	ODSW-01-2	33.5	15	12.7	2	17	12	27.0
1/4	1/8	ODSW-02-1	31.2	12	15.2	5	14	14	24.0
1/4	1/4	ODSW-02-2	35.8	15	15.2	5	17	14	28.4
1/4	3/8	ODSW-02-3	37.6	15	15.2	5	22	14	30.2
1/4	1/2	ODSW-02-4	42.4	20	15.2	5	27	14	35.1
3/8	1/8	ODSW-03-1	32.8	12	16.8	5	17	19	25.4
3/8	1/4	ODSW-03-2	37.6	15	16.8	6	17	19	30.2
3/8	3/8	ODSW-03-3	39.1	15	16.8	8	22	19	31.8
3/8	1/2	ODSW-03-4	43.9	20	16.8	8	27	19	36.6
3/8	3/4	ODSW-03-6	47.8	21	16.8	8	32	19	40.4
1/2	1/2	ODSW-04-1	37.3	12	22.8	5	22	22	27.2
1/2	3/4	ODSW-04-2	40.4	15	22.8	6	22	22	30.2
1/2	3/8	ODSW-04-3	40.2	15	22.8	8	22	22	31.8
1/2	1/2	ODSW-04-4	46.7	20	22.8	10	27	22	36.6
1/2	3/4	ODSW-04-6	48.3	21	22.8	10	32	22	38.2
1/2	1	ODSW-04-8	51.3	24	22.8	10	40	22	41.2
5/8	3/8	ODSW-05-3	42.1	15	24.4	8	27	27	32.0
5/8	1/2	ODSW-05-4	46.9	20	24.4	11	27	27	36.8
5/8	3/4	ODSW-05-6	48.5	21	24.4	12	32	27	38.4
3/4	1/2	ODSW-06-4	46.7	20	24.4	15	27	30	36.6
3/4	3/4	ODSW-06-6	48.3	21	24.4	15	32	30	38.1
1	3/4	ODSW-08-6	53.3	21	31.3	21	35	38	41.1
1	1	ODSW-08-8	62.2	24	31.3	21	40	38	50.0



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ODBW Butt Welding Pipe Connector



Metric

TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	B	D	E	F	G	H	J
3	1/8	ODBW-3-1	30.5	10	12.9	2	12	12	23.9	11.3
4	1/8	ODBW-4-1	31.2	10	13.7	3	12	12	24.6	11.3
6	1/8	ODBW-6-1	32.8	10	15.3	5	12	14	25.4	11.3
6	1/4	ODBW-6-2	37.9	13	15.3	5	14	14	30.5	13.7
8	1/8	ODBW-8-1	34.2	10	16.2	6	14	17	26.7	11.3
8	1/4	ODBW-8-2	38.7	13	16.2	6	14	17	31.2	13.7
8	1/2	ODBW-8-4	46.5	17	17.0	8	22	17	38.1	21.3
10	1/4	ODBW-10-2	40.9	13	17.2	8	17	19	33.3	13.7
10	3/8	ODBW-10-3	43.4	14	22.8	10	22	22	33.3	17.1
10	1/2	ODBW-10-4	46.5	17	17.2	8	22	19	38.9	21.3
12	1/4	ODBW-12-2	43.4	13	22.8	8	22	22	33.3	13.7
12	3/4	ODBW-12-3	43.4	14	22.8	10	22	22	33.3	17.1
12	1/2	ODBW-12-4	49.0	17	22.8	10	22	22	38.9	21.3
14	3/8	ODBW-14-3	44.1	14	24.4	10	24	27	34.0	17.1
15	1/2	ODBW-15-4	49.0	17	24.4	11	24	27	38.9	21.3
16	1/2	ODBW-16-4	49.0	17	24.4	12	24	27	38.9	21.3
18	1/2	ODBW-18-4	50.5	17	24.4	14	27	30	40.4	21.3
20	3/4	ODBW-20-6	52.3	19	26.0	16	30	32	42.2	26.7
22	3/4	ODBW-22-6	52.3	19	26.0	18	30	32	42.2	26.7
25	1	ODBW-25-8	60.4	22	31.3	21	35	38	48.1	33.4

Fractional

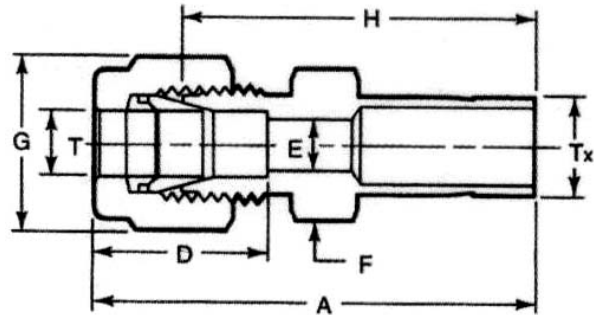
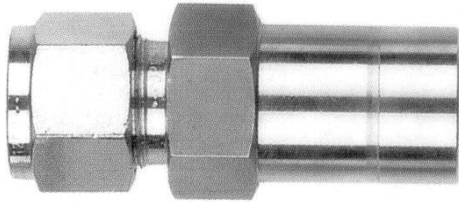
TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	B	D	E	F	G	H	J
1/8	1/8	ODBW-01-1	30.4	10	12.7	3	12	12	23.8	10.3
3/16	1/8	ODBW-005-1	31.2	10	13.7	3	12	12	23.8	10.3
1/4	1/8	ODBW-02-1	32.8	10	15.2	5	12	14	25.4	10.3
1/4	1/8	ODBW-02-1	37.8	13	15.2	5	14	14	30.5	13.7
3/8	1/4	ODBW-03-2	38.6	13	16.8	8	17	17	32.5	13.7
3/8	3/8	ODBW-03-3	39.8	14	16.8	8	22	17	32.5	17.1
3/8	1/2	ODBW-03-4	46.2	17	16.8	8	22	17	38.8	21.3
3/8	3/4	ODBW-03-6	47.8	19	16.8	8	27	17	40.4	26.7
1/2	3/8	ODBW-04-3	45.2	14	22.8	10	22	22	33.3	17.1
1/2	1/2	ODBW-04-4	49.0	17	22.8	10	22	22	38.8	21.3
1/2	3/4	ODBW-04-6	50.5	19	22.8	10	27	22	40.4	26.7
5/8	1/2	ODBW-05-4	49.0	17	24.4	12	27	27	38.8	21.3
3/4	3/4	ODBW-06-6	50.5	19	24.4	15	27	30	40.4	26.7
1	1	ODBW-08-8	62.2	22	31.2	21	35	38	50.0	33.4



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ODTA Reducer



Metric

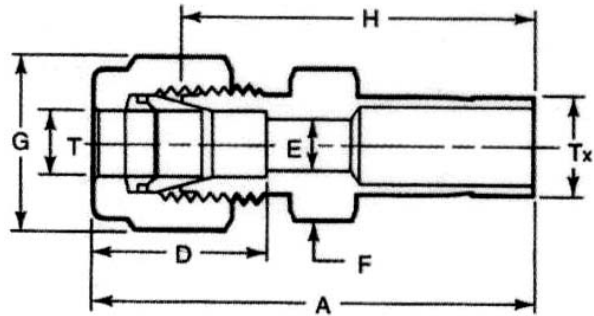
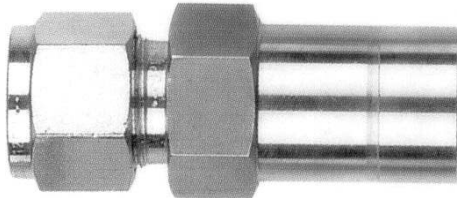
TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	D	E	F	G	H
2	1/8	ODTA-2-3	33.5	12.9	1.7	10	12	26.9
3	4	ODTA-3-4	35	12.9	2.4	10	12	28.4
3	6	ODTA-3-6	36.1	12.9	2.4	10	12	29.5
3	10	ODTA-3-10	38.4	12.9	2.4	12	12	31.8
4	6	ODTA-4-6	37.1	13.7	3	10	12	30.5
6	3	ODTA-6-3	36.9	15.3	2	12	14	29.5
6	8	ODTA-6-8	39.9	15.3	5	12	14	32.5
6	10	ODTA-6-10	40.7	15.3	5	12	14	33.3
6	12	ODTA-6-12	46.3	15.3	5	14	14	38.9
6	18	ODTA-6-18	49.6	15.3	5	19	14	42.2
8	6	ODTA-8-6	40.3	16.2	5	14	17	32.8
8	10	ODTA-8-10	42	16.2	6	14	17	34.5
8	12	ODTA-8-12	47.6	16.2	6	14	17	40.1
10	6	ODTA-10-6	42.4	17.2	5	17	19	34.8
10	8	ODTA-10-8	43.4	17.2	6	17	19	35.8
10	12	ODTA-10-12	49.8	17.2	8	17	19	42.2
10	15	ODTA-10-15	51.3	17.2	8	17	19	43.7
10	18	ODTA-10-18	51.3	17.2	8	19	19	43.7
12	6	ODTA-12-6	44.9	22.8	5	22	22	34.8
12	8	ODTA-12-8	45.9	22.8	6	22	22	35.8
12	10	ODTA-12-10	46.7	22.8	8	22	22	36.6
12	16	ODTA-12-16	53.8	22.8	10	22	22	43.7
12	18	ODTA-12-18	53.8	22.8	10	22	22	43.7
12	20	ODTA-12-20	56.1	22.8	10	22	22	46
12	22	ODTA-12-22	56.1	22.8	10	24	22	46
12	25	ODTA-12-25	62.4	22.8	10	27	22	52.3
16	12	ODTA-16-12	53	24.4	10	24	27	42.9
18	12	ODTA-18-12	54.6	24.4	10	27	30	44.5
18	16	ODTA-18-16	56.1	24.4	14	27	30	46
18	20	ODTA-18-20	57.6	24.4	14	27	30	47.5
18	22	ODTA-18-22	57.6	24.4	14	27	30	47.5
18	25	ODTA-18-25	62.4	24.4	14	27	30	52.3
20	16	ODTA-20-16	57.9	26	14	30	32	47.8
20	18	ODTA-20-18	57.9	26	16	30	32	47.8
20	22	ODTA-20-22	59.4	26	16	30	32	49.3
20	25	ODTA-20-25	64.2	26	16	30	32	54.1
22	18	ODTA-22-18	57.9	26	16	30	32	47.8
22	20	ODTA-22-20	59.4	26	18	30	32	49.3
22	25	ODTA-22-25	64.2	26	18	30	32	54.1
25	18	ODTA-25-18	63.1	31.3	16	35	38	50.8
25	20	ODTA-25-20	64.6	31.3	18	35	38	52.3



UNIFIT METALLOYS INC

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ODTA Reducer

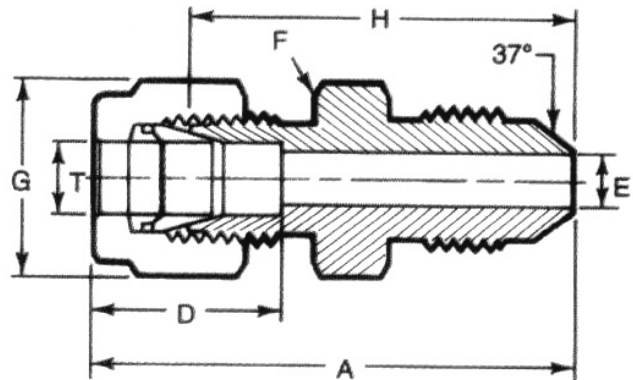
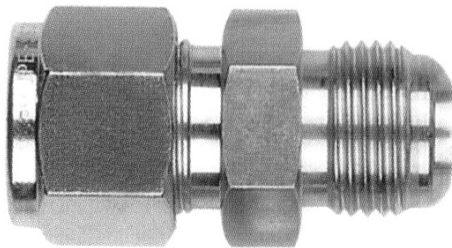


Fractional

TUBE O.D.	MALE PIPE WELD SIZE	CATALOG NUMBER	A	D	E	F	G	H
1/16	1/8	ODTA-005-1	29.2	8.6	1	10	10	25.4
1/16	1/4	ODTA-005-2	31.5	8.6	1	10	10	27.7
1/8	1/16	ODTA-01-005	29	12.7	0.7	10	12	20.3
1/8	1/8	ODTA-01-1	33.5	12.7	2	10	12	26.9
1/8	1/4	ODTA-01-2	36	12.7	3	10	12	29.5
1/8	3/8	ODTA-01-3	37.6	12.7	3	10	12	31
1/8	1/2	ODTA-01-4	44.2	12.7	3	14	12	37.6
1/4	1/8	ODTA-02-1	36.8	15.2	2	12	14	29.5
1/4	1/4	ODTA-02-2	38.1	15.2	4	12	14	31.8
1/4	3/8	ODTA-02-3	40.6	15.2	5	12	14	33.3
1/4	1/2	ODTA-02-4	46.2	15.2	5	14	14	38.9
1/4	5/8	ODTA-02-5	48	15.2	5	17	14	40.6
1/4	3/4	ODTA-02-6	47	15.2	5	19	14	40.4
3/8	1/4	ODTA-03-2	41.4	16.8	4	17	17	34
3/8	3/8	ODTA-03-3	43.2	16.8	7	17	17	35.8
3/8	1/2	ODTA-03-4	48.5	16.8	8	17	17	41.1
3/8	5/8	ODTA-03-5	50.3	16.8	8	17	17	42.9
3/8	3/4	ODTA-03-6	50.3	16.8	8	22	17	42.9
1/2	1/4	ODTA-04-2	45	22.8	4	22	22	34.8
1/2	3/8	ODTA-04-3	46.7	22.8	7	22	22	36.6
1/2	1/2	ODTA-04-4	52.3	22.8	10	22	22	42.2
1/2	5/8	ODTA-04-5	50.8	22.8	10	22	22	43.7
1/2	3/4	ODTA-04-6	53.8	22.8	10	22	22	43.7
1/2	1/1	ODTA-04-8	60.2	22.8	10	27	22	50
5/8	3/4	ODTA-05-6	54.6	24.4	12	24	27	44.5
5/8	1/1	ODTA-05-8	61	24.4	12	27	27	50.8
3/4	1/2	ODTA-06-4	54.6	24.4	10	27	30	44.5
3/4	1/1	ODTA-06-8	62.5	24.4	15	27	30	52.3



MCH An Union Connector



Fractional

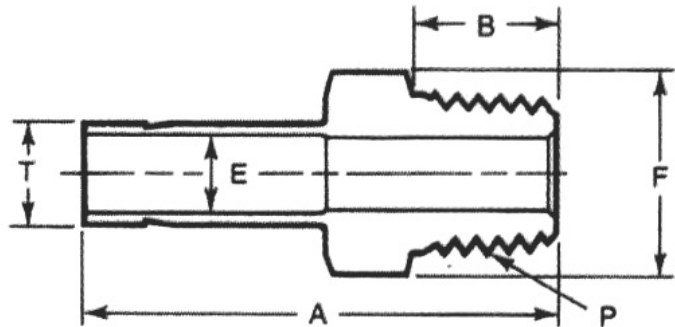
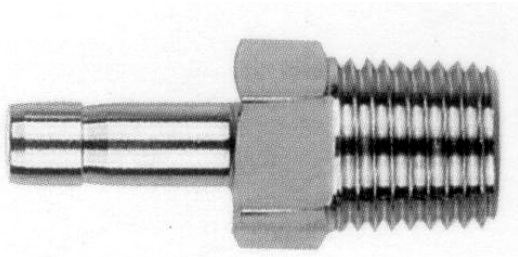
TUBE O.D.	AN MALE SIZE	CATALOG NUMBER	A	D	E	F	G	H
1/4	1/4	MCH-02-2	37.6	15.2	4.3	12	14	30.2
3/8	1/4	MCH-03-2	39.6	16.8	4.3	17	17	32.3
3/8	3/8	MCH-03-3	39.6	16.8	7.1	17	17	32.3
1/2	3/8	MCH-04-3	46.0	22.8	8.0	22	22	33.2
1/2	1/2	MCH-04-4	46.0	22.8	9.9	22	22	35.8
3/4	1/2	MCH-06-4	53.3	24.4	12.0	27	30	43.2
3/4	3/4	MCH-06-6	53.3	24.4	15.5	27	30	43.2
1	1	MCH-08-8	61.5	31.2	21.3	35	38	49.3



UNIFIT METALLOYS INC

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TAM Male Tube Adapter



Metric

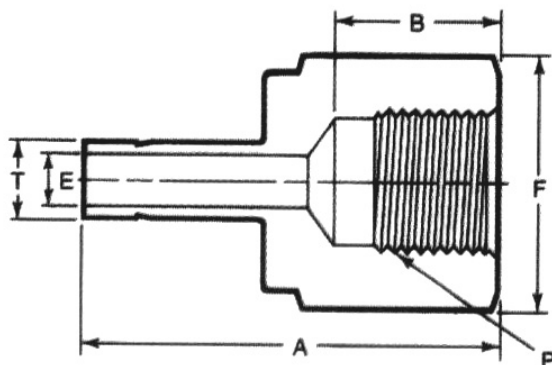
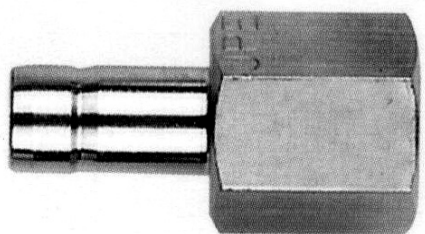
TUBE O.D.	MALE PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	E	F
6	1/8	TAM-6-1	32.8	10	4.6	12
6	1/4	TAM-6-2	38.1	13	4.6	14
8	1/4	TAM-8-2	39.1	13	6.4	14
10	1/4	TAM-10-2	39.9	13	7.1	14
10	3/8	TAM-10-3	40.6	14	7.7	17
12	1/4	TAM-12-2	46.5	13	7.1	14
12	3/8	TAM-12-3	51.8	14	9.1	17
12	1/2	TAM-12-4	74.7	17	9.1	22

Fractional

TUBE O.D.	MALE PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	E	F
1/4	1/8	TAM-02-1	31.8	10	4.8	12
1/4	1/4	TAM-02-2	37.1	13	4.8	14
1/4	3/8	TAM-02-3	37.8	14	4.8	17
1/4	1/2	TAM-02-4	43.4	17	4.8	22
3/8	1/8	TAM-03-1	33.5	10	7.0	12
3/8	1/4	TAM-03-2	38.9	13	7.0	14
3/8	3/8	TAM-03-3	39.6	14	7.0	17
3/8	1/2	TAM-03-4	45.2	17	7.0	22
1/2	1/4	TAM-04-2	44.5	13	1 10.0	14
1/2	3/8	TAM-04-3	45.2	14	1 10.0	17
1/2	1/2	TAM-04-4	50.8	17	1 10.0	22
5/8	1/2	TAM-05-4	52.3	17	1 12.7	22
3/4	1/2	TAM-06-4	52.3	17	1 15.0	22
3/4	3/4	TAM-06-6	52.3	19	1 15.0	27
1	3/4	TAM-08-6	58.7	19	2 20.0	27
1	1	TAM-08-8	66.0	22	2 20.0	35



TAF Female Tube Adapter



Metric

TUBE O.D.	FEMALE PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	E	F
6	1/8	TAF-6-1	32.5	10	4.8	14
6	1/4	TAF-6-2	37.1	13	4.8	17
8	1/4	TAF-8-2	37.6	13	6.0	17
10	1/4	TAF-10-2	38.1	13	8.0	17
10	3/8	TAF-10-3	40.1	14	8.0	22
12	1/4	TAF-12-2	43.4	13	10.0	17
12	3/8	TAF-12-3	45.5	14	10.0	22
12	1/2	TAF-12-4	51.8	17	10.0	27

Fractional

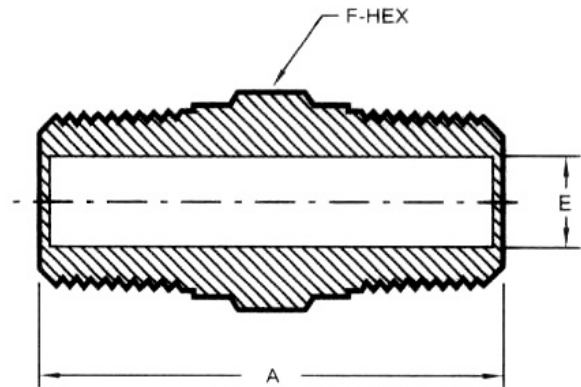
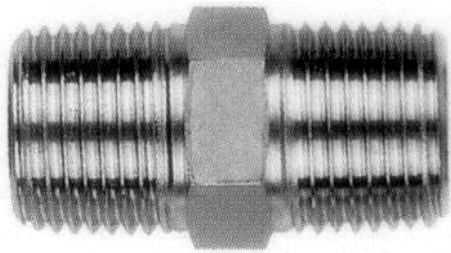
TUBE O.D.	FEMALE PIPE SIZE PT/NPT	CATALOG NUMBER	A	B	E	F
1/4	1/8	TAF-02-1	33.0	10	4.8	14
1/4	1/4	TAF-02-2	37.1	13	4.8	17
1/4	3/8	TAF-02-3	39.4	14	4.8	22
1/4	1/2	TAF-02-4	45.5	17	4.8	27
3/8	1/8	TAF-03-1	34.3	10	7.0	14
3/8	1/4	TAF-03-2	38.1	13	7.0	17
3/8	3/8	TAF-03-3	40.4	14	7.0	22
3/8	1/2	TAF-03-4	46.7	17	7.0	27
1/2	1/4	TAF-04-2	43.4	13	10.0	14
1/2	3/8	TAF-04-3	45.5	14	10.0	22
1/2	1/2	TAF-04-4	51.8	17	10.0	27
5/8	1/2	TAF-05-4	53.1	17	12.7	27
3/4	1/2	TAF06-4	52.8	17	15.0	27
3/4	3/4	TAF06-6	54.9	19	15.0	32
1	3/4	TAF08-6	60.7	19	20.0	32
1	1	TAF08-8	64.3	22	20.0	34



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HN Hex Nipple



Fractional

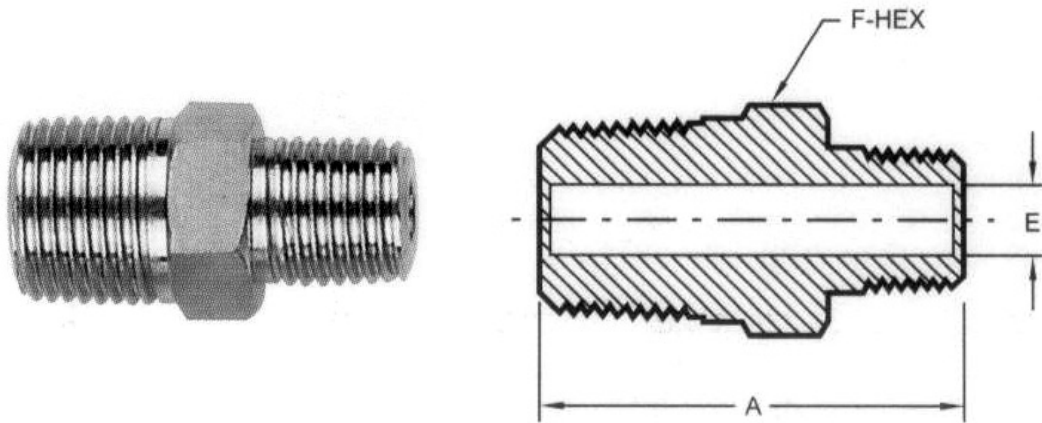
P MALE SIZE PT/NPT	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/8	HN-01	26	5	12
1/4	HN-02	32	6	14
3/8	HN-03	35	8	17
1/2	HN-04	42	10	22
3/4	HN-06	47	15	27
1	HN-08	56	21	35



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RHN Reducing Hex Nipple

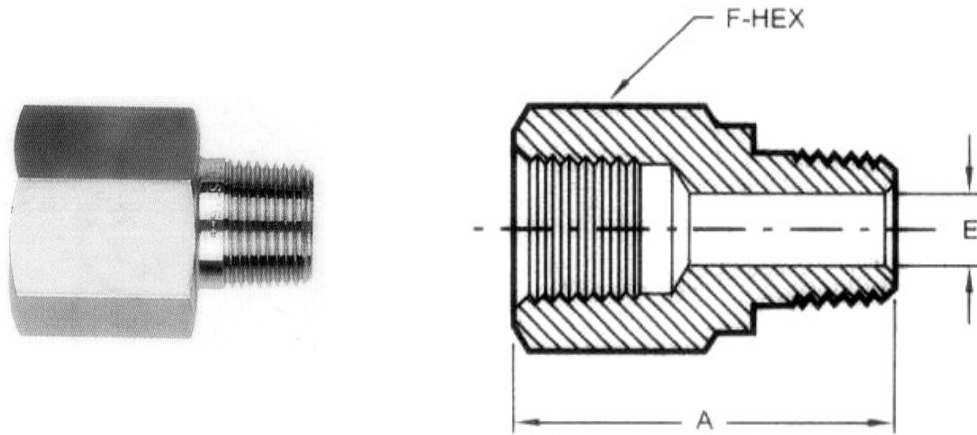


Fractional

P MALE SIZE PT/NPT	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/4	1/8	RHN-02-01	29	5
3/8 3/8	1/8 1/4	RHN -03-01 RHN -03-02	31 32	5 6
1/2 1/2 1/2	1/8 1/4 3/8	RHN -04-01 RHN -04-02 RHN -04-03	35 38 39	5 6 8
3/4 3/4 3/4	1/4 3/8 1/2	RHN-06-02 RHN-06-03 RHN-06-04	41 42 45	6 8 10
1 1	1/2 3/4	RHN-08-04 RHN-08-06	51 53	10 15



RA Reducing Adapter



Fractional

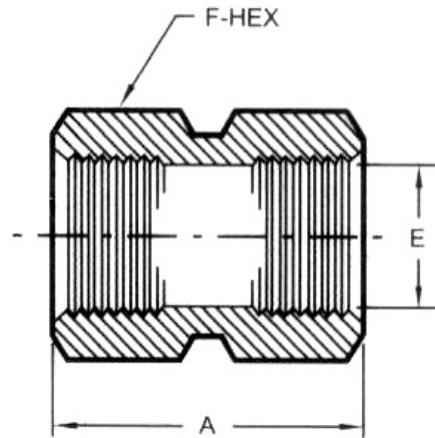
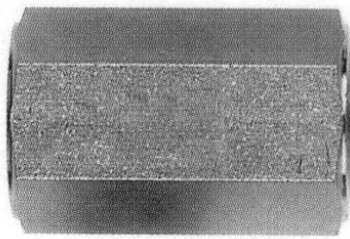
P FEMALE SIZE PT/NPT	P1 MALE SIZE PT/NPT	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/8	1/8	RA-01-01	27	5	14
1/4	1/8	RA-02-01	30	5	17
1/4	1/4	RA-02-02	33	6	17
3/8	1/8	RA-03-01	30	5	22
3/8	1/4	RA-03-02	33	6	22
3/8	3/8	RA-03-03	34	8	22
1/2	1/8	RA-04-01	35	5	27
1/2	1/4	RA-04-02	38	6	27
1/2	3/8	RA-04-03	39	8	27
1/2	1/2	RA-04-04	42	10	27
3/4	1/4	RA-06-02	40	6	32
3/4	3/8	RA-06-03	41	8	32
3/4	1/2	RA-06-04	44	10	32
1	1/4	RA-08-02	43	6	40
1	3/8	RA-08-03	44	8	40
1	1/2	RA-08-04	47	10	40
1	3/4	RA-08-06	49	15	40



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HCG Hex Coupling

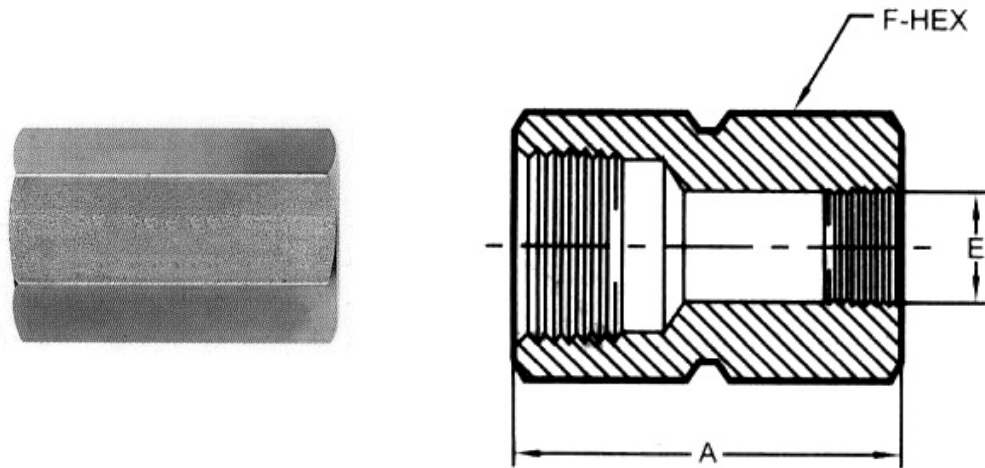


Fractional

P FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/8	HCG-01	25	8	14
1/4	HCG-02	35	11	17
3/8	HCG-03	35	14	22
1/2	HCG-04	39	18	27
3/4	HCG-06	43	23	35
1	HCG-08	49	29	40



RHCG Reducing Hex Coupling



Fractional

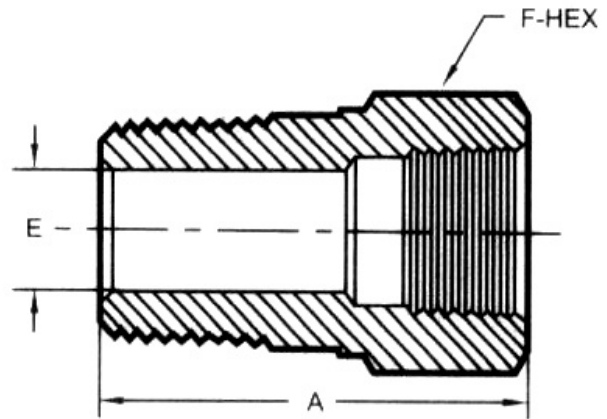
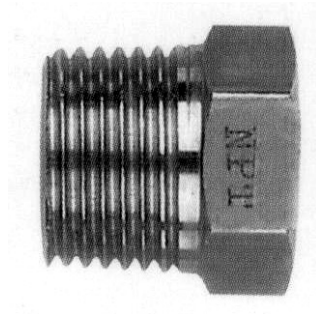
FEMALE SIZE PT/NPT	FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E	F
1/4	1/8	RHCG-02-01	32	8	17
3/8	1/8	RHCG-03-01	32	8	22
3/8	1/4	RHCG-03-02	35	11	22
1/2	1/8	RHCG-04-01	37	8	27
1/2	1/4	RHCG-04-02	40	11	27
1/2	3/8	RHCG-04-03	41	14	27
3/4	1/4	RHCG-06-02	40	11	32
3/4	3/8	RHCG-06-03	41	14	32
3/4	1/2	RHCG-06-04	44	18	32
1	1/2	RHCG-08-04	47	18	40
1	3/4	RHCG-08-06	49	23	40



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RB Reducing Bushing



Fractional

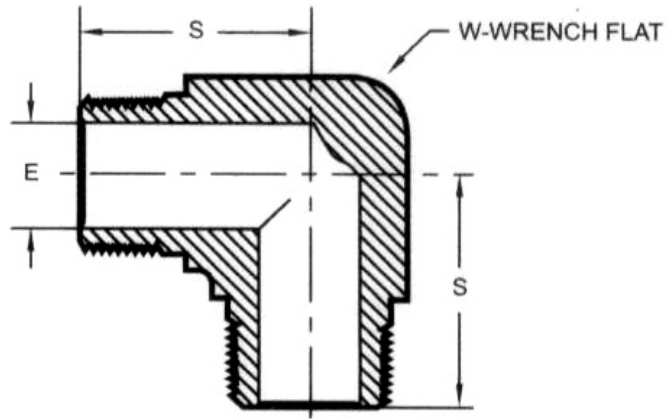
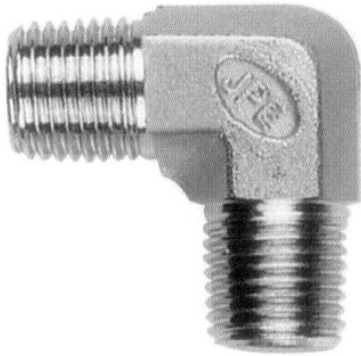
P MALE SIZE PT/NPT	P1 FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E MIN OPENING	F HEX FLAT
1/4	1/8	RB-02-01	20	7	14
3/8 3/8	1/8 1/4	RB-03-01 RB-03-02	25 25	7 11	17 17
1/2 1/2 1/2	1/8 1/4 3/8	RB-04-01 RB-04-02 RB-04-03	27 27 27	7 11 14	22 22 22
3/4 3/4 3/4	1/4 3/8 1/2	RB-06-02 RB-06-03 RB-06-04	30 30 30	11 14 19	27 27 27
1 1 1 1	1/4 3/8 1/2 3/4	RB-08-02 RB-08-03 RB-08-04 RB-08-06	35 35 35 35	11 14 19 22	35 35 35 35



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MET Male Elbow



Fractional

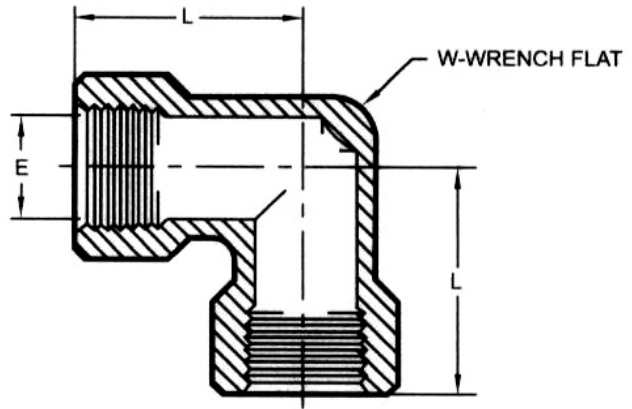
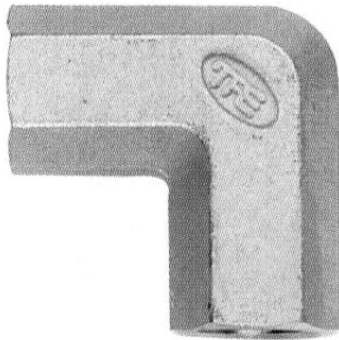
P MALE SIZE PT/NPT	CATALOG NUMBER	E	S
1/8	MET-01	5	19.8
1/4	MET-02	6	24.0
3/8	MET-03	8	26.8
1/2	MET-04	10	32.7
3/4	MET-06	15	37.5
1	MET-08	21	45.2



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E Elbow



Fractional

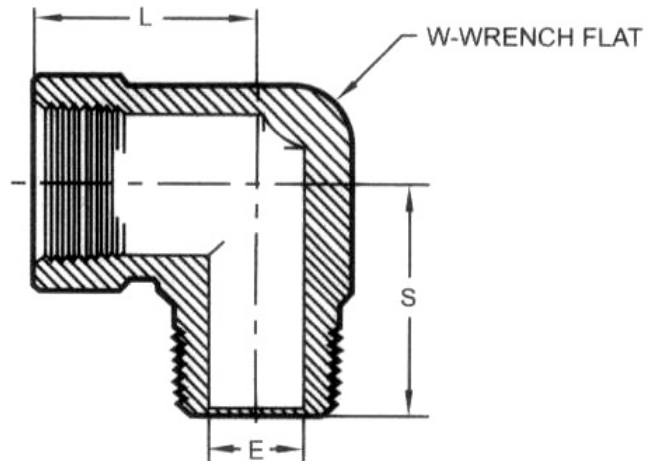
P MALE SIZE PT/NPT	CATALOG NUMBER	E	L
1/8	E-01	8	20.0
1/4	E-02	11	24.8
3/8	E-03	14	27.7
1/2	E-04	18	35.5
3/4	E-06	23	42.5
1	E-08	29	47.2



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SE Street Elbow



Fractional

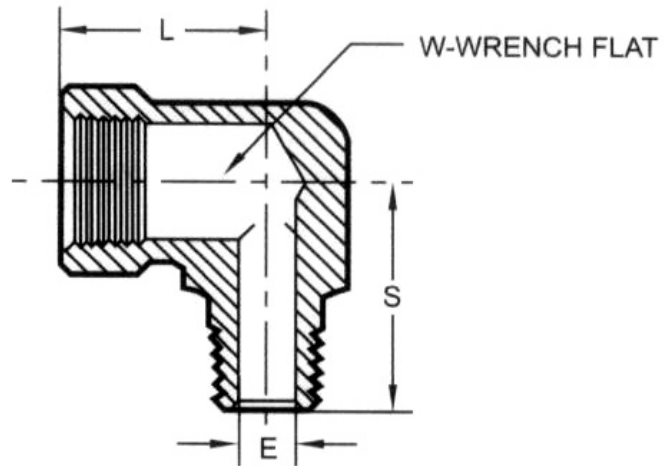
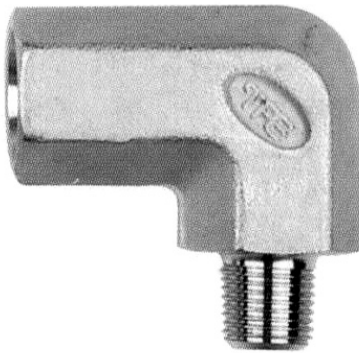
P MALE/ FEMALE SIZE PT/NPT	CATALOG NUMBER	E	L	S
1/8	SE-01	5	20.0	21.0
1/4	SE-02	6	24.8	25.8
3/8	SE-03	8	27.7	29.7
1/2	SE-04	10	35.5	35.5
3/4	SE-06	15	42.5	40.5
1	SE-08	21	47.2	45.2



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RSE Reducing Street Elbow

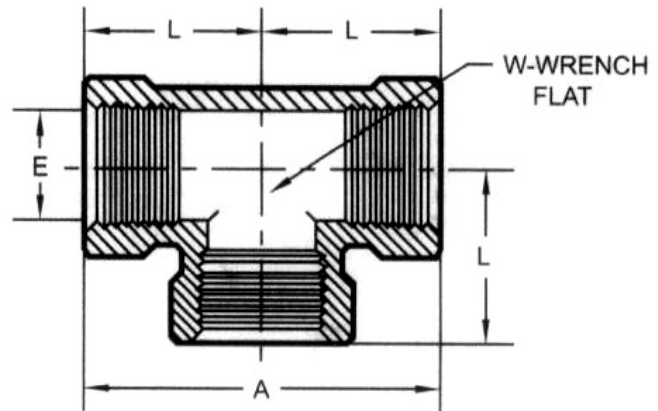
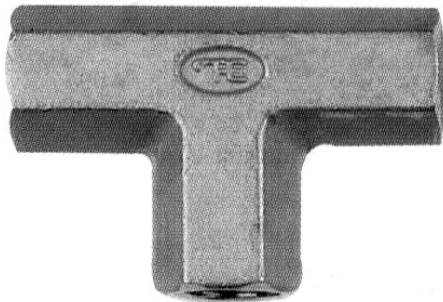


Fractional

P FEMALE SIZE PT/NPT	P1 MALE SIZE PT/NPT	CATALOG NUMBER	E	L	S
1/4	1/8	RSE-02-01	5	24.8	22.8
3/8	1/4	RSE-03-02	6	27.7	28.7
1/2	1/4	RSE-04-02	6	35.5	31.5
1/2	3/8	RSE-04-03	8	35.5	32.5
3/4	3/8	RSE-06-03	8	42.5	35.5
3/4	1/2	RSE-06-04	10	42.5	38.5



T Tee



Fractional

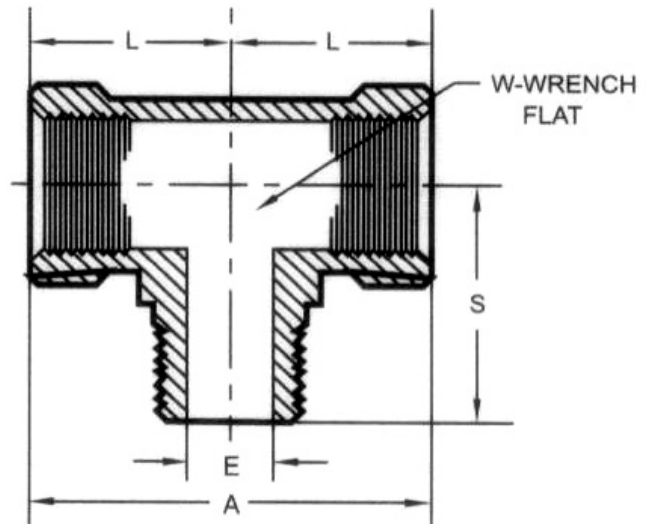
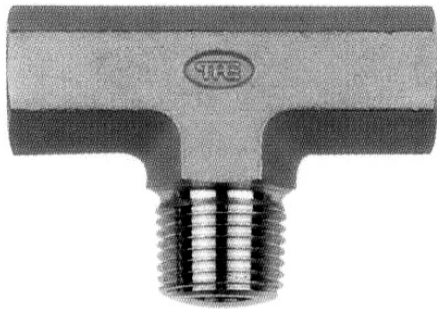
P FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E	L
1/8	T-01	40.0	8	20.0
1/4	T-02	49.6	11	24.8
3/8	T-03	55.4	14	27.7
1/2	T-04	71.0	18	35.5
3/4	T-06	83.0	23	42.5
1	T-08	94.4	29	47.2



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BT Branch Tee



Fractional

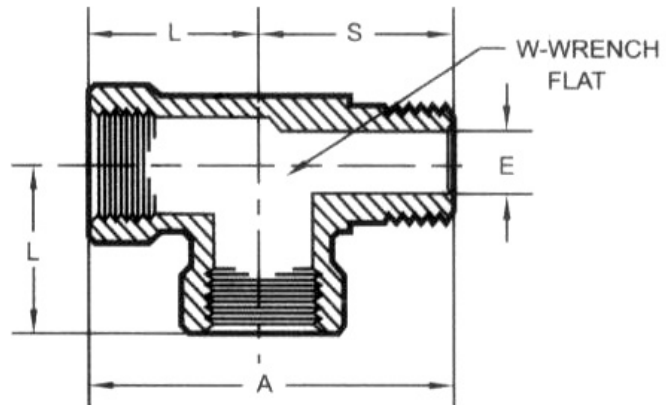
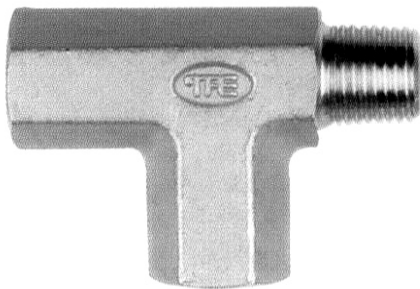
P MALE/ FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E	L	S
1/8	BT-01	40.0	5	20.0	21.0
1/4	BT-02	49.6	6	24.8	25.8
3/8	BT-03	55.4	8	27.7	29.7
1/2	BT-04	71.0	10	35.5	35.5
3/4	BT-06	85.0	15	42.5	40.5
1	BT-08	94.4	21	47.2	45.2



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ST Street Tee



Fractional

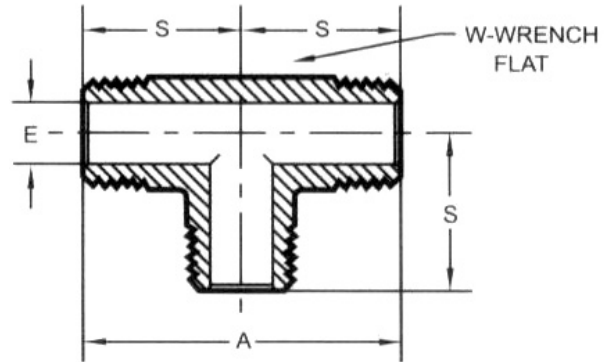
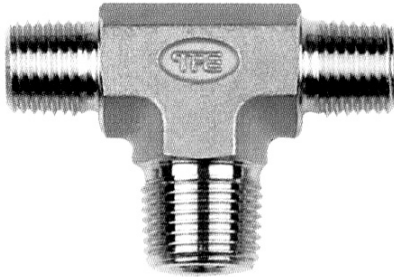
P MALE/ FEMALE SIZE PT/NPT	CATALOG NUMBER	A	E	L	S
1/8	ST-01	41.0	5	20.0	21.0
1/4	ST-02	50.6	6	24.8	25.8
3/8	ST-03	57.7	8	27.7	29.7
1/2	ST-04	71.0	10	35.5	35.5
3/4	ST-06	83.0	15	42.5	40.5
1	ST-08	92.4	21	47.2	45.2



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MT Male Tee



Fractional

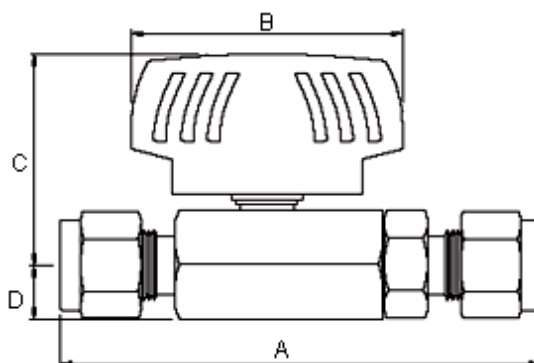
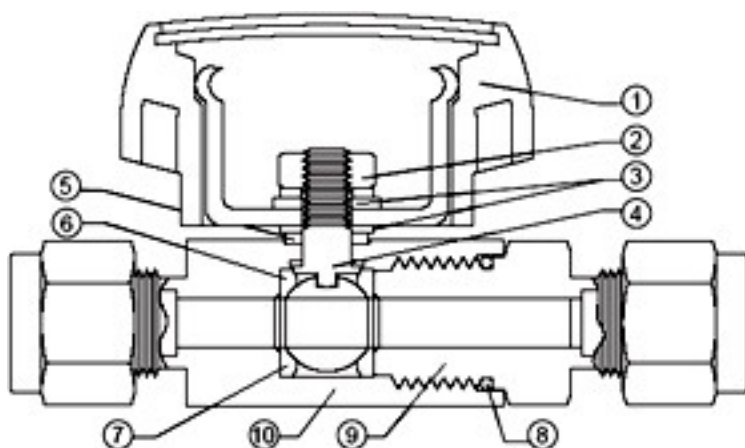
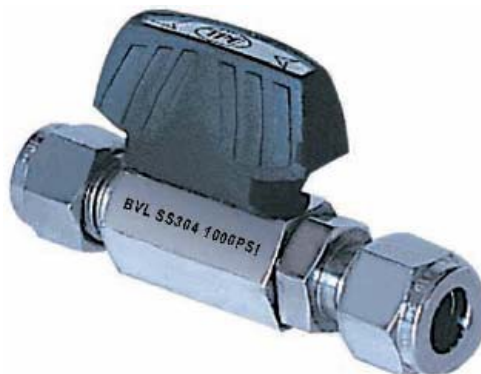
SIZE PT/NPT	CATALOG NUMBER	A	E	S
1/8	MT-01	39.6	5	19.8
1/4	MT-02	48.0	6	24.0
3/8	MT-03	53.6	8	26.8
1/2	MT-04	65.4	10	32.7
3/4	MT-06	75.0	15	37.5
1	MT-08	90.4	21	45.2



2PC Ball Valve 1000PSI

Features

1. Floating ball design for positive sealing.
2. Maximum Working Pressure: 1000PSI at 20°C to 250°C with PTFE seat.
3. End connection: tube end.
4. Blow-out proof bottom loaded stem.
5. 100% Factory tested.
6. The temperature rating of O-ring seal:
Buna-N: -30°F to 250°F (-34°C to 121°C)
Viton (Fluorocarbon): -15°F to 400°F (-26°C to 204°C)
7. The other material is available upon request.



Dimension

SIZE INLET / OUTLET	ORIFICE		A	B	C	D
	MM	INCH				
1/4" OD	5	0.197	74.3	41	33	8.5
3/8"OD	5	0.197	78.3	41	35	9.5
1/2" OD	10	0.394	91.0	50	41	13.5

Material List

NO.	PART NAME	MATERIAL
1	HANDLE	BLACK PHENOLIC / ZINC ALLOY
2	LOCK NUT	SS304
3	WASHER	SS304
4	STEM	SS316 / SS304
5	GLAND PACKING	PTFE / OTHER MATERIAL
6	BALL	SS316 / SS304
7	SEAT	PTFE/ OTHER MATERIAL
8	BODY SEAL	BUNA-N / VITON
9	END CAP	SS316 / SS304
10	BODY	SS316/ SS304



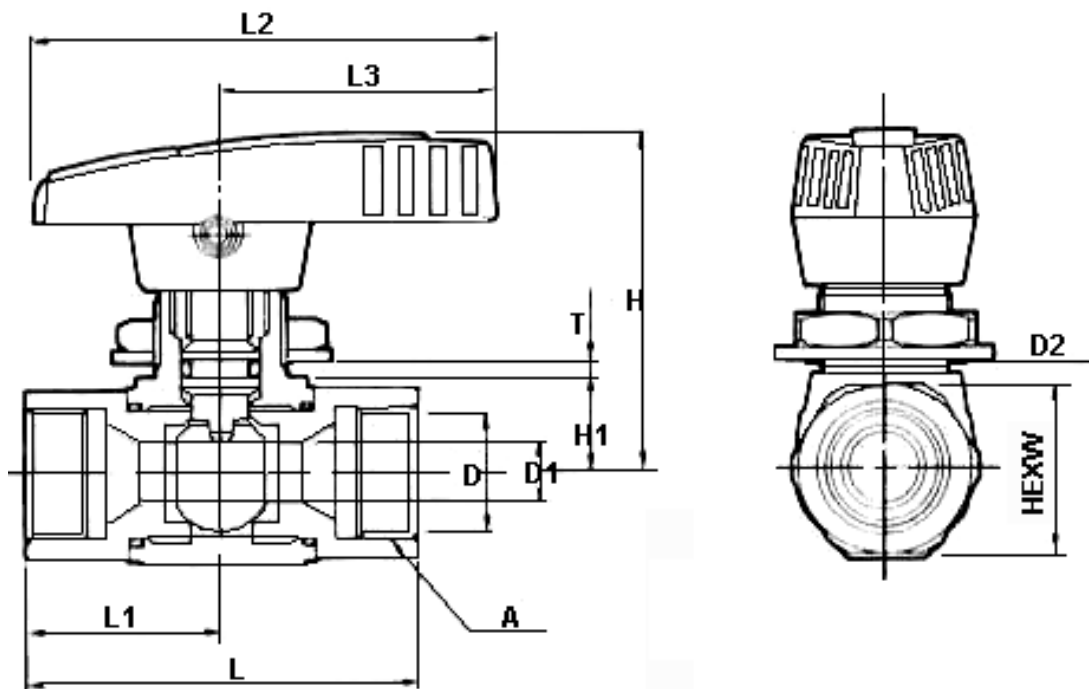
UNIFIT METALLOYS INC

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3PC Ball Valve, Female

Features

1. 2-way on-off, 3 way switching models.
2. Floating ball design for positive sealing.
3. Maximum Working Pressure: 3000PSI (206bar) at 20°C to 250°C with PTFE packing. 6000PSI (413bar) with PEEK packing.
4. Variety of end connections including tube end, male or female NPT and ISO., DIN and JIS tapered pipe ends.
5. Blow-out proof bottom loaded stem.
6. 100% Factory tested.



Dimension

	D	D1	L	L1	A	D2	H1	H	L2	L3	W	T
BV-01F(N)PT	1/8	5	53.3	27	1/8	14	10	38	48	29.5	17	5
BV-02F(N)PT	1/4	5	58.5	29	1/4	14	10	38	48	29.5	17	5
BV-03F(N)PT	3/8	10	64	32	3/8	16	14.5	45.5	60	37	28	5
BV-04F(N)PT	1/2	10	64	32	1/2	16	14.5	45.5	60	37	28	5



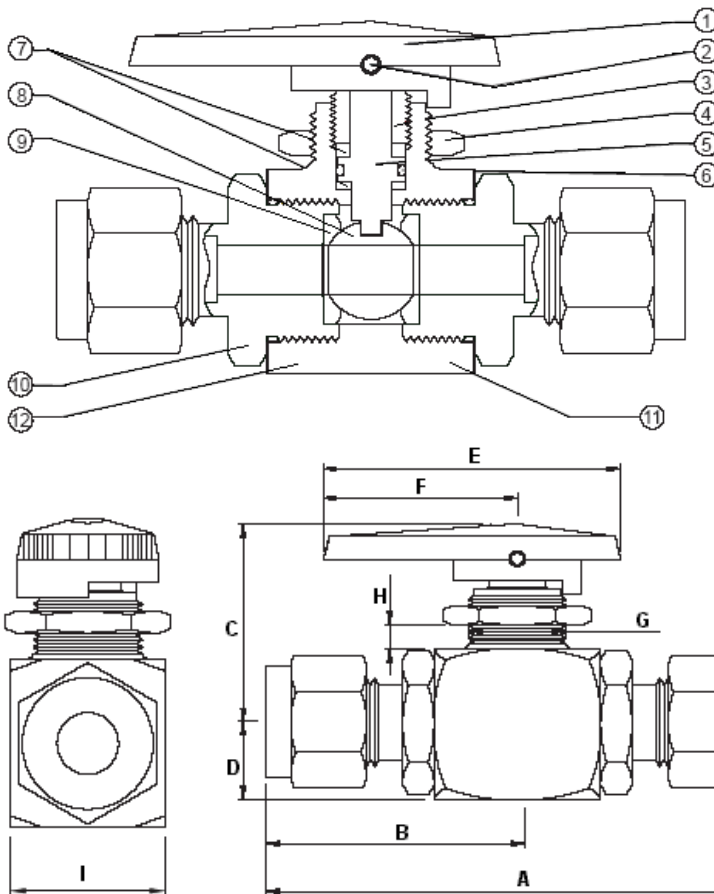
UNIFIT METALLOYS INC

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3PC Ball Valve, Tube End

Features

1. 2-way on-off, 3 way switching models.
2. Floating ball design for positive sealing.
3. Maximum Working Pressure: 3000PSI (206bar) at 20°C to 250°C with PTFE packing. 6000PSI (413bar) with PEEK packing.
4. Variety of end connections including tube end, male or female NPT and ISO., DIN and JIS tapered pipe ends.
5. Blow-out proof bottom loaded stem.
6. 100% Factory tested.
7. The temperature rating of O-ring seal:
Buna-N: -30°F to 250°F (-34°C to 121°C)
Viton (Fluorocarbon): -15°F to 400°F (-26°C to 204°C)
8. The other material is available upon request.



Material List

NO.	PART NAME	MATERIAL
1	HANDLE	BLACK PHENOLIC / ZINC ALLOY
2	GRUB SCREW	SS304
3	PACKING BOLT	SS316 / SS304
4	PANEL NUT	SS316 / SS304
5	STEM	SS316 / SS304
6	STEM SEAL	BUNA-N / VITON
7	GLAND PACKING	PTFE/ OTHER MATERIAL
8	BALL	SS316 / SS304
9	SEAT	PTFE/ OTHER MATERIAL
10	BODY SEAL	BUNA-N / VITON
11	END CAP	SS316 / SS304
12	BODY	SS316 / SS304

Dimension

SIZE INLET / OUTLET	ORIFICE		A	B	C	D	E	F	G	H	I
	MM	INCH									
3mmOD	5	0.197	61	30.5	36	10	48	29	14	6	19
4mmOD	5	0.197	61	30.5	36	10	48	29	14	6	19
6mmOD	5	0.197	66.5	33.3	36	140	48	29	14	6	19
8mmOD	5	0.197	71	35.5	36	10	48	29	14	6	19
10mmOD	5	0.197	73	36.5	36	10	48	29	14	6	19
12mmOD	10	0.394	85	42.5	45	14.5	60	37	16	6	28
14mmOD	10	0.394	85	42.5	45	14.5	60	37	156	6	28
18mmOD	10	0.394	85	42.5	45	14.5	60	37	16	6	28
22mmOD	10	0.394	86	43	47	15	60	37	16	6	29
1/8"OD	5	0.197	62	31	36	10	48	29	14	6	19
1/4"OD	5	0.197	66.5	33.3	36	10	48	29	14	6	19
3/8"OD	5	0.197	70.5	35.3	36	10	48	29	14	6	19
1/2"OD	10	0.394	86	43	45	14.5	60	37	16	6	28
3/4"OD	10	0.394	86	43	45	14.5	60	37	16	6	28



3 Way Ball Valve, Female

Features

1. 2-way on-off, 3 way switching models.
2. Floating ball design for positive sealing.
3. Maximum Working Pressure: 3000PSI (206bar) at 20°C to 250°C with PTFE packing. 6000PSI (413bar) with PEEK packing.
4. Variety of end connections including tube end, male or female NPT and ISO, DIN and JIS tapered pipe ends.
5. Blow-out proof bottom loaded stem.
6. 100% Factory tested.



Dimension

SIZE	ORIFICE		A	B	C	D	E	F	G	H	I
INLET/OUTLET	MM	INCH									
1/8" F(N)	5	0.197	50	25	31	36.5	48	29	14	6	20
1/4" F(N)	5	0.197	56	28	40	36.5	48	29	14	6	20
3/8" F(N)	5	0.197	70	35	48	36.5	48	29	14	6	20
1/2" F(N)	5	0.197	76	38	51	36.5	48	29	14	6	20



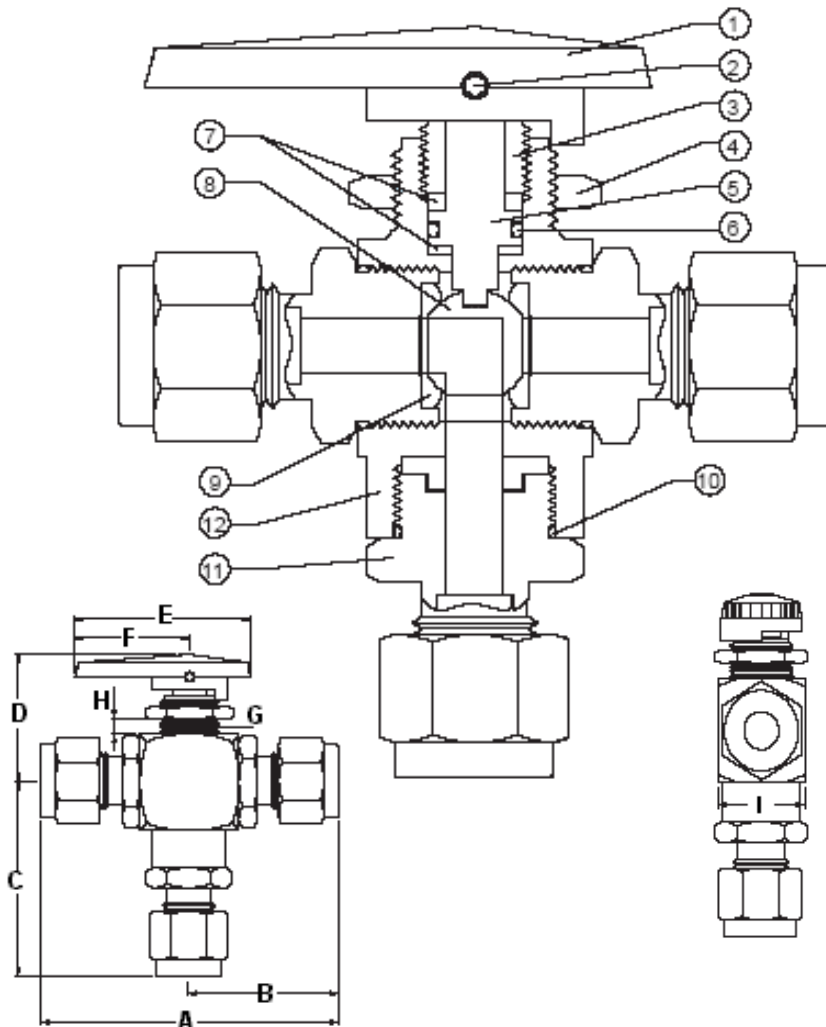
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3 Way Ball Valve, Tube End

Features

1. 2-way on-off, 3 way switching models.
2. Floating ball design for positive sealing.
3. Maximum Working Pressure: 3000PSI (206bar) at 20°C to 250°C with PTFE packing. 6000PSI (413bar) with PEEK packing.
4. Variety of end connections including tube end, male or female NPT and ISO, DIN and JIS tapered pipe ends.
5. Blow-out proof bottom loaded stem.
6. 100% Factory tested.
7. The temperature rating of O-ring seal:
Buna-N: -30°F to 250°F (-34°C to 121°C)
Viton (Fluorocarbon): -15°F to 400°F (-26°C to 204°C)
8. The other material is available upon request.



Material List

NO.	PART NAME	MATERIAL
1	HANDLE	BLACK PHENOLIC / ZINC ALLOY
2	GRUB SCREW	SS304
3	PACKING BOLT	SS316 / SS304
4	PANEL NUT	SS316 / SS304
5	STEM	SS316 / SS304
6	STEM SEAL	BUNA-N / VITON
7	GLAND PACKING	PTFE/ OTHER MATERIAL
8	BALL	SS316 / SS304
9	SEAT	PTFE/ OTHER MATERIAL
10	BODY SEAL	BUNA-N / VITON
11	END CAP	SS316 / SS304
12	BODY	SS316 / SS304

Dimension

SIZE INLET / OUTLET	ORIFICE		A	B	C	D	E	F	G	H	I
	MM	INCH									
3mmOD	5	0.197	68.5	34.3	41.5	36.5	48	29	14	6	20
6mmOD	5	0.197	71	35.5	41.5	36.45	48	29	14	6	20
8mmOD	5	0.197	73	36.5	43	36.5	48	29	14	6	20
10mmOD	5	0.197	73	36.5	43	36.5	48	29	14	6	20
1/8"OD	5	0.197	68.5	34.3	41.5	36.5	48	29	14	6	20
1/4"OD	5	0.197	71	35.5	41.5	36.5	48	29	14	6	20
3/8"OD	5	0.197	73	36.5	43	36.5	48	29	14	6	20



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Check Valve-Female

Features

1. Working pressure range to 3000PSI
2. Temperature rating to 250°F (121°C) with Buna
3. Inline check valve
4. Instant shutoff in upstream condition
5. 100% Factory tested
6. Locks pressure in consumer
7. Stops reversed flow in order to protect instrumentations
8. Purge system
9. Suitable for gas or liquid

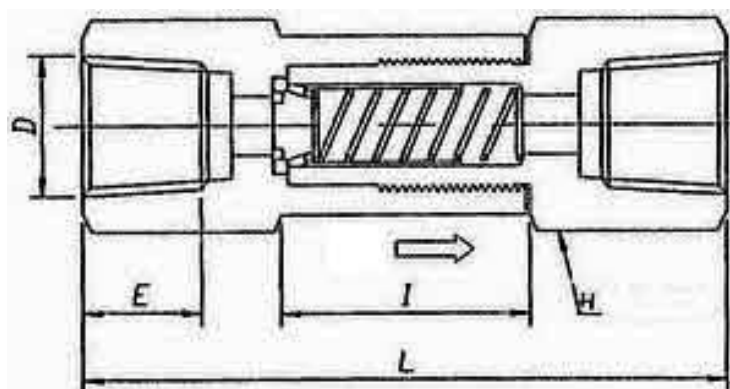


Description

1. Variety of end connections including tube end, male or female NPT and ISO, DIN and JIS tapered pipe ends
2. 100% factory tested for both crack & reseal

Technical Data

1. Max. Working Pressure: Brass- 1500 PSI (10,300 kpa)
SUS316- 3000 PSI (20,600 kpa)
2. Temperature Ratings: Viton: -23°C to 191°C (-10°F to 375°F)
Buna: -23°C to 121°C (-10°F to 250°F)
3. Nominal Cracking: 1, 10, 25PSI (2, 6, 66, 170 kpa)
Option: Spring with Cracking Pressure up to 100PSI



Description	Orifice		Conn./Size Inlet/Outlet	Dimension (mm)				
	mm	In.		D	I	E	L	H
CV-02F(N)	5	0.197	1/4" Female PT / NPT thread	1/4"	13	13	56	19
CV-03F(N)	5	0.197	3/8" Female PT / NPT thread	3/8"	14.5	14.5	60	19
CV-04F(N)	11	0.433	1/2" Female PT / NPT thread	1/2"	30.5	30.5	85	32
CV-06F(N)	11	0.433	3/4" Female PT / NPT thread	3/4"	30.5	30.5	87	32



UNIFIT METALLOYS INC

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Check Valve-Male

Features

1. Working pressure range to 3000PSI
2. Temperature rating to 250°F (121°C) with Buna
3. Inline check valve
4. Instant shutoff in upstream condition
5. 100% Factory tested
6. Locks pressure in consumer
7. Stops reversed flow in order to protect instrumentations
8. Purge system
9. Suitable for gas or liquid

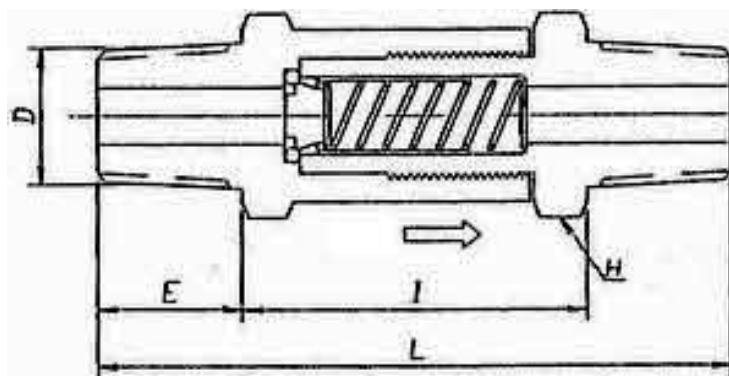


Description

1. Variety of end connections including tube end, male or female NPT and ISO, DIN and JIS tapered pipe ends
2. 100% factory tested for both crack & reseal

Technical Data

1. Max. Working Pressure: Brass- 1500 PSI (10,300 kpa)
SUS316- 3000 PSI (20,600 kpa)
2. Temperature Ratings: Viton: -23°C to 191°C (-10°F to 375°F)
Buna: -23°C to 121°C (-10°F to 250°F)
3. Nominal Cracking: 1, 10, 25PSI (2, 6, 66, 170 kpa)
Option: Spring with Cracking Pressure up to 100PSI



Description	Orifice		Conn./Size Inlet/Outlet	Dimension (mm)				
	mm	In.		D	I	E	L	H
CV-02M(N)	6.55	0.256	1/4" Female PT / NPT thread	1/4"	26.5	13	52.5	19
CV-03M(N)	7.00	0.256	3/8" Female PT / NPT thread	3/8"	28.0	14.	56.0	19



Check Valve-Tube End

Features

1. Working pressure range to 3000PSI
2. Temperature rating to 250°F (121°C) with Buna
3. Inline check valve
4. Instant shutoff in upstream condition
5. 100% Factory tested
6. Locks pressure in consumer
7. Stops reversed flow in order to protect instrumentations
8. Purge system
9. Suitable for gas or liquid

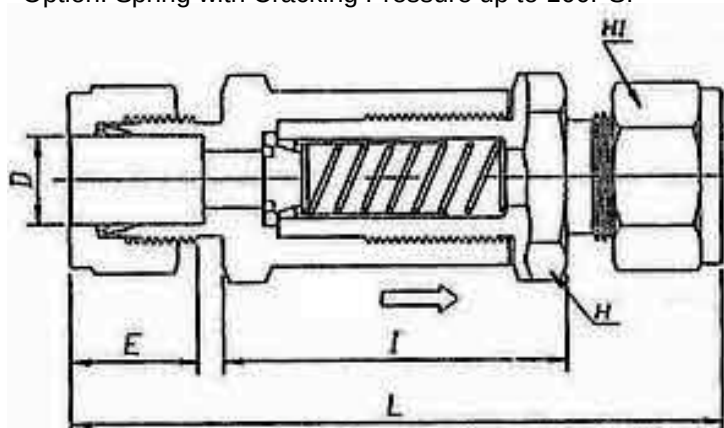


Description

1. Variety of end connections including tube end, male or female NPT and ISO, DIN and JIS tapered pipe ends
2. 100% factory tested for both crack & reseal

Technical Data

1. Max. Working Pressure: Brass- 1500 PSI (10,300 kpa)
SUS316- 3000 PSI (20,600 kpa)
2. Temperature Ratings: Viton: -23°C to 191°C (-10°F to 375°F)
Buna: -23°C to 121°C (-10°F to 250°F)
3. Nominal Cracking: 1, 10, 25PSI (2, 6, 66, 170 kpa)
Option: Spring with Cracking Pressure up to 100PSI



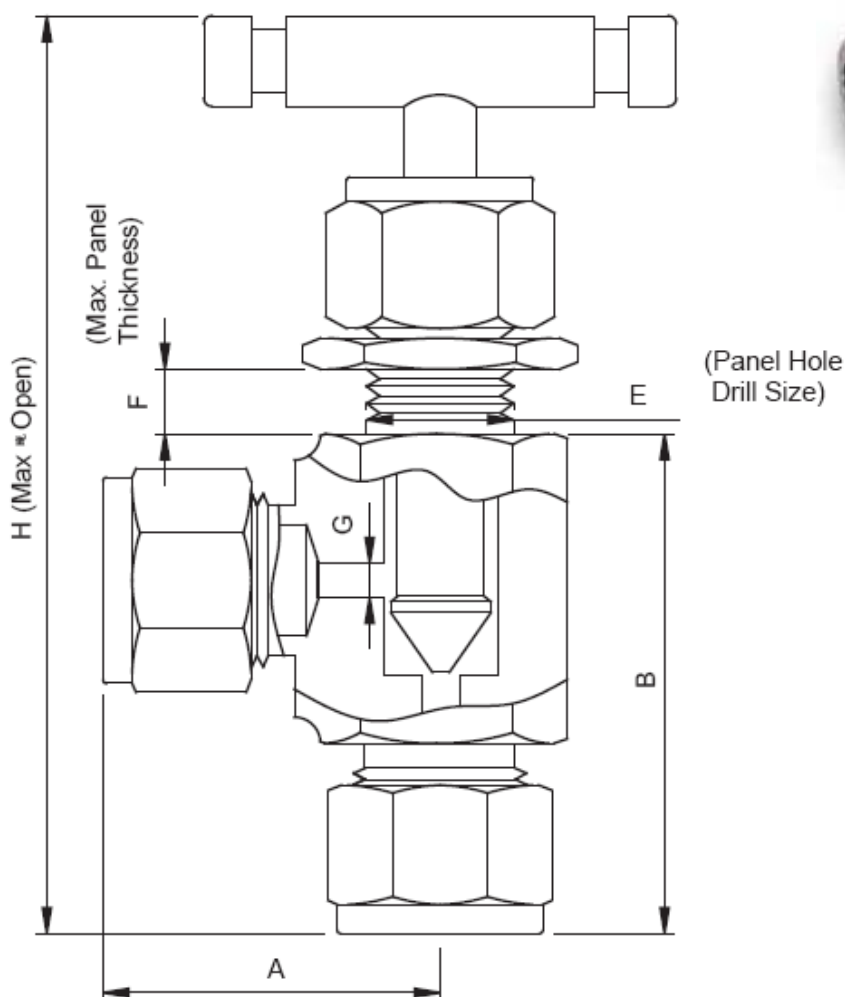
Description	Orifice		Conn./Size	Dimension (mm)					
	mm	In.		D	I	E	L	H	H1
CV-02OD	5	0.197	1/4"OD	6.35	30.5	15.5	66.5	19	14
CV-03OD	6.5	0.256	3/8"OD	9.525	31.0	16.5	71.0	19	17
CV-04OD	11	0.433	1/2"OD	12.7	39.0	19.5	94.5	32	22
CV-06OD	11	0.433	3/4"OD	19.05	59.0	20.0	105.5	32	30
CV-6OD	5	0.197	6mmOD	6	30.0	14.5	65.5	19	14
CV-8OD	5	0.197	8mmOD	8	30.5	14.5	67.0	19	17
CV-10OD	5	0.197	10mmOD	10	30.5	16.5	69.0	19	19
CV-12OD	10	0.394	12mmOD	12	59.0	19.0	102.0	32	22



Instrument Needle Valve, Integral Bonnet, Forged Body, Angle Type

Features

1. Forged or Bar Stock body construction.
2. Metal to metal or stellite seat for high pressure.
3. Angle Pattern with panel mounting optional.
4. One piece or non-regulating Vee tip, non-rotating ball tip optional.
5. Variety of end connections: tube end.
6. Maximum Working Pressure: 6000PSI (414bar) at 200°C, .
7. 100% factory tested.



Dimension

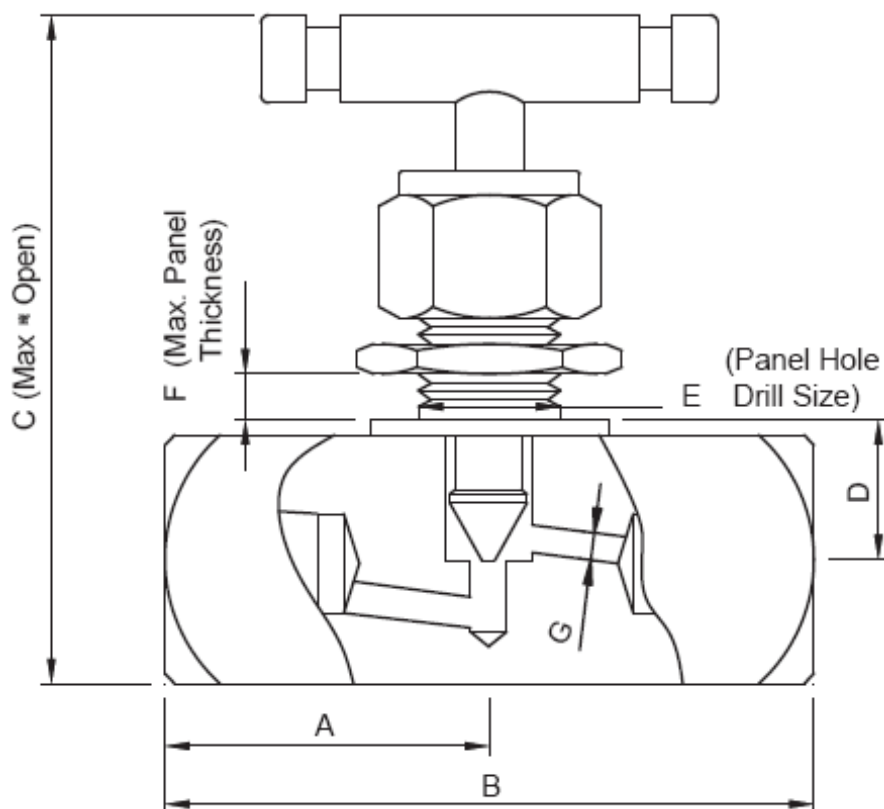
SIZE	END CONNECTION (INLET X OUTLET)	A	B	E	F	G	H
1/4"	Unifit Tube End	34.5	51.5	14	5	3.5	89.5
3/8"	Unifit Tube End	35.5	54	14	5	3.5	92
1/2"	Unifit Tube End	39.0	56	16	5	5.0	94
6mm	Unifit Tube End	34.5	51	14	5	3.5	89
8mm	Unifit Tube End	35.5	52.5	14	5	3.5	90.5
10mm	Unifit Tube End	38.5	56	14	5	3.5	94
12mm	Unifit Tube End	39.0	56.5	16	5	5.0	94.5



Instrument Needle Valve, Integral Bonnet, Forged Body, Female

Features

1. Forged or Bar Stock body construction.
2. Metal to metal or stellite seat for high pressure.
3. Straight Pattern with panel mounting optional.
4. One piece or non-regulating Vee tip, non-rotating ball tip optional.
5. Variety of end connections: Female NPT and ISO., DIN and JIS tapered pipe ends.
6. Maximum Working Pressure: 6000PSI (414bar) at 200°C, .
7. 100% factory tested.



Dimension

SIZE	END CONNECTION (INLET X OUTLET)	A	B	C	D	E	F	G
1/4"	FNPT	27.5	55	77	17	14	5	3.5
3/8"	FNPT	32.0	64	79	19	16	5	5.0
1/2"	FNPT	31.5	63	81	21	16	5	5.0
3/4"	FNPT	33.5	67	84	24	16	5	10.0
1"	FNPT	35.5	71	87	27	16	5	10.0



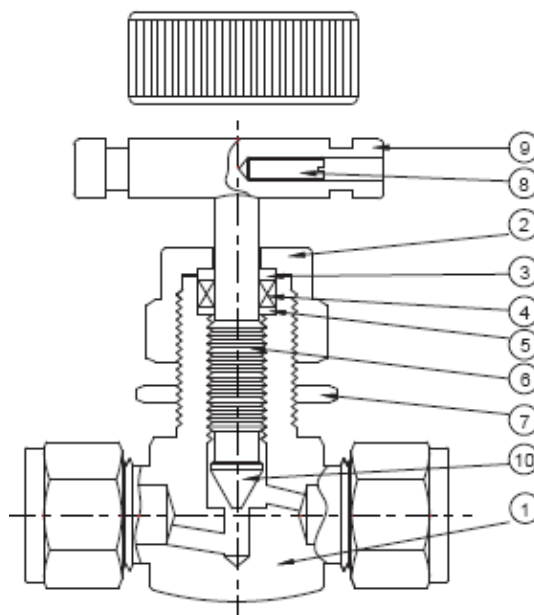
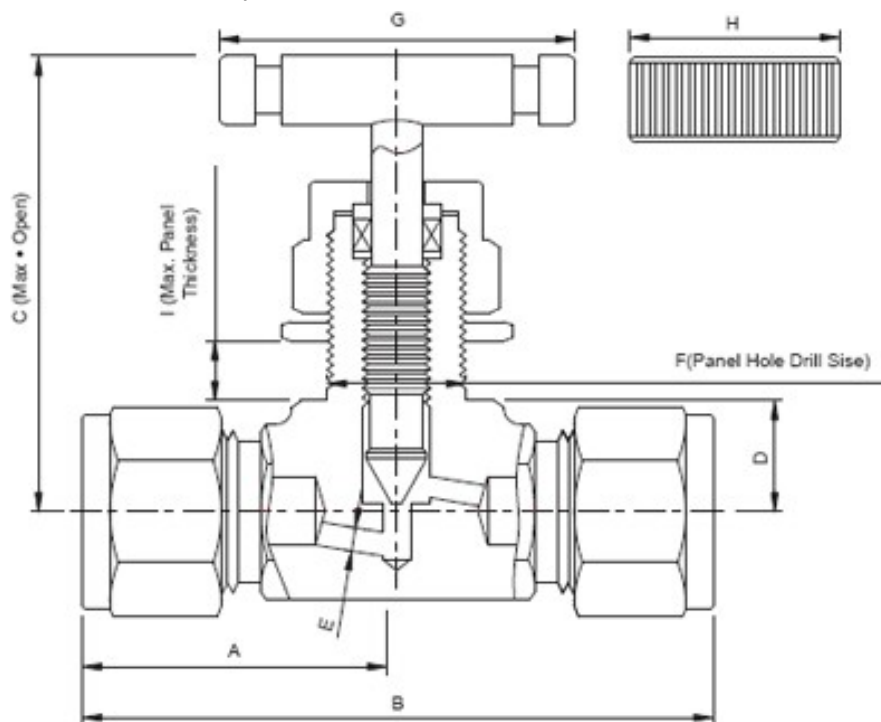
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Instrument Needle Valve, Integral Bonnet, Forged Body, Tube OD

Features

1. Forged or Bar Stock body construction.
2. Metal to metal or stellite seat for high pressure.
3. Straight Pattern with panel mounting optional.
4. One piece or non-regulating Vee tip, non-rotating ball tip optional.
5. Variety of end connections: female NPT and ISO, DIN and JIS tapered pipe ends.
6. Maximum Working Pressure: 6000PSI (414bar) at 200°C
7. 100% factory tested.



SIZE Dimension	END CONNECTION (INLET X OUTLET)	A	B	C	D	E	F	G	H	I
1/4"	MNPT	27.5	55	50	12	3.5	14	60	32	5
3/8"	MNPT	32	64	50	12	3.5	14	60	32	5
1/2"	MNPT	36.5	73	54	16	5	16	60	32	5
1/4"	FNPT	27.5	55	50	12	3.5	14	60	32	5
3/8"	FNPT	32	64	50	12	5	16	60	32	5
1/4"	MNPT X FNPT	27.5	55	50	12	3.5	14	60	32	5
3/8"	MNPT X FNPT	32	64	50	12	3.5	14	60	32	5
1/2"	MNPT X FNPT	36.5	73	54	16	5	16	60	32	5
1/4"	Unifit Tube End	34.5	69	50	12	3.5	14	60	32	5
3/8"	Unifit Tube End	34.5	69	50	12	3.5	14	60	32	5
1/2"	Unifit Tube End	45.5	91	54	16	5	16	60	32	5
3/4"	Unifit Tube End	45.5	91	56	18	5	16	60	32	5
1"	Unifit Tube End	50	100	60.5	22.5	10	16	60	32	5
6MM	Unifit Tube End	34.3	68.5	50	12	3.5	14	60	32	5
8MM	Unifit Tube End	35	70	50	12	3.5	14	60	32	5
10MM	Unifit Tube End	38	76	50	12	3.5	14	60	32	5
12MM	Unifit Tube End	45.5	91	54	16	5	16	60	32	5
16MM	Unifit Tube End	45.5	91	56	18	5	16	60	32	5
22MM	Unifit Tube End	50	100	58.5	20.5	10	16	60	32	5
25MM	Unifit Tube End	50	100	63	25	10	16	60	32	5

Material List

NO.	PART NAME	MATERIAL
1	BODY	SS316 / SS304
2	BONNET	SS316 / SS304
3	WASHER	SS316 / SS304
4	PACKING	PTFE / GRAFOIL
5	PACKING WASHER	SS316 / SS304
6	STEM	SS316 / SS304
7	LOCK NUT	SS316 / SS304
8	GRUB SCREW	SS304
9	HANDLE	SS304
10	VEE TIP STEM	SS316 / SS304