

DATE: 6/14/2017

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BID NO.: 50-00119963

BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an escalation provision?

YES _____ NO X

MAXIMUM ESCALATION PERCENTAGE REQUESTED _____%

INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF _____.

For the purposes of comparison of bids when an escalation provision is requested, Jefferson Parish will apply the maximum escalation percentage quoted by the bidder to the period to which it is applied in the bid. The initial price and the escalation will be used to calculate the total bid price. It will be assumed, for comparison of prices only, that an equal amount of material or labor is purchased each month throughout the entire contract.

DELIVERY: FOB JEFFERSON PARISH

INDICATE DELIVERY DATE ON EQUIPMENT AND SUPPLIES

9-11 DAYS

LOUISIANA CONTRACTOR'S LICENSE NO.: (if applicable) _____

THIS SECTION MUST BE COMPLETED BY BIDDER:

FIRM NAME: Cimsco
ADDRESS: 1840 LTA Rd.
CITY, STATE: Metairie, LA ZIP: 70001
TELEPHONE: (504) 835-7319 FAX: (504) 832-0820
EMAIL ADDRESS: JEFFC@CIMS.CO.ME

In the event that addenda are issued with this bid, bidders MUST acknowledge all addenda on the bid form. Bidder must acknowledge receipt of an addendum on the bid form as indicated. Failure to acknowledge any addendum on the bid form will result in bid rejection.

Acknowledge Receipt of Addenda: NUMBER: _____
NUMBER: _____
NUMBER: _____
NUMBER: _____

TOTAL PRICE OF ALL BID ITEMS: \$ 883,969.83

AUTHORIZED SIGNATURE: [Signature]

TITLE: SACS

Jeff DelVecchio
Printed Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			ONE (1) YEAR CONTRACT FOR THE SUPPLY OF BRONZE FITTINGS FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, ALL WATER DISTRICTS, AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES		
1	35.00	ONLY	0010 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	9.36	327.60
			SCREW, AND AN OUTLET OF FEMALE IRON PIPE FORD C14-33; 3/4 INCH PJ/FIP (38016)		
2	1.00	ONLY	0020 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	12.71	12.71
			SCREW, AND AN OUTLET OF FEMALE IRON PIPE FORD C14-44; 1 INCH PJ/FIP (38026)		
3	4.00	ONLY	0030 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	44-	176-
			SCREW, AND AN OUTLET OF FEMALE IRON PIPE FORD C14-77; 2 INCH PJ/FIP (38028)		
4	350.00	ONLY	0040 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	8.90	3115-
			SCREW, AND AN OUTLET OF MALE IRON PIPE, FORD C84-33; 3/4 INCH PJ/MIP (38015)		
5	100.00	ONLY	0050 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	12.39	1239-
			SCREW, AND AN OUTLET OF MALE IRON PIPE, FORD C84-44; 1 INCH PJ/MIP (38025)		
6	260.00	ONLY	0060 ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING SET	42.09	10943.40
			SCREW, AND AN OUTLET OF MALE IRON PIPE, FORD C84-77; 2 INCH PJ/MIP (38027)		
7	100.00	ONLY	0070 BUSHING, REDUCING, INLET OF CC/AWWA MALE TAPER THREADS AND OUTLET OF	8-	800-
			FEMALE CC/AWWA TAPER THREADS; FORD #BBAA-43 1 INCH MALE CC X 3/4 INCH FEMALE CC (37980)		
8	1.00	ONLY	0080 BUSHING, REDUCING, INLET OF CC/AWWA MALE TAPER THREADS AND OUTLET OF	34.81	34.81
			FEMALE CC/AWWA TAPER THREADS;		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
9	1.00	ONLY	FORD #BBAA-73 2 INCH MALE CC X 3/4 INCH FEMALE CC (37981)	35.13	35.13
10	1.00	ONLY	0090 BUSHING, REDUCING, INLET OF CC/AWWA MALE TAPER THREADS AND OUTLET OF FEMALE CC/AWWA TAPER THREADS; FORD #BBAA-74 2 INCH MALE CC X 1 INCH FEMALE CC (37982)	6.17	6.17
11	1.00	ONLY	0100 BUSHING (ADAPTER), REDUCING, INLET OF CC/AWWA MALE TAPER THREADS AND BUSHING (ADAPTER), REDUCING, OUTLET OF FEMALE NATIONAL PIPE THREADS FORD #BBA1-31 3/4 INCH MALE CC X 1/2 INCH FEMALE NPT (37968)	8.20	8.20
12	1.00	ONLY	0120 BUSHING (ADAPTER), REDUCING, BRASS, INLET OF CC/AWWA MALE TAPER THREADS, AND OUTLET OF FEMALE NATIONAL PIPE THREADS; FORD #BBA1-43 1 INCH MALE CC X 3/4 INCH FEMALE NPT (37969)	29.03	29.03
13	1.00	ONLY	0130 BUSHING (ADAPTER), REDUCING, BRASS, INLET OF CC/AWWA MALE TAPER THREADS, AND OUTLET OF FEMALE NATIONAL PIPE THREADS; FORD #BBA1-74 2 INCH MALE CC X 1 INCH FEMALE NPT (37970)	34.49	34.49
14	925.00	ONLY	0140 BUSHING (ADAPTER), REDUCING, BRASS, INLET OF CC/AWWA MALE TAPER THREADS, AND OUTLET OF FEMALE NATIONAL PIPE THREADS; FORD #BBA1-75 2 INCH MALE CC X 1-1/4 INCH FEMALE NPT (37971)	11.91	11016.75
15	1,250.00	ONLY	0150 CONNECTOR, YOKE BOX EXPANSION, STANDARD/HANDWHEEL, TO HAVE AN INLET OF FEMALE METER THREADS WITH AN OUTLET OF MALE YOKE CONNECTION; FORD #EC-23 5/8 INCH X 3/4 INCH (38175)	28-	35000-
			0160 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
16	600.00	ONLY	OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED RECTANGULAR KEYWAY; FORD #FB1000-3 3/4 INCH CC/PJ (38035)	36.82	22092 -
17	290.00	ONLY	0170 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED RECTANGULAR KEYWAY; FORD #FB1000-4 1 INCH CC/PJ (38062)	136.49	39582.10
18	1.00	ONLY	0180 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED RECTANGULAR KEYWAY; FORD #FB1000-7 2 INCH CC/PJ (38095)	23.60	23.60
19	1.00	ONLY	0190 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN OUTLET OF FEMALE IRON PIPE THREADS, TO HAVE LARGE RAISED RECTANGULAR KEYWAY FORD #FB1600-3; 3/4 INCH CC/FIP (38034)	31.83	31.83
20	2.00	ONLY	0200 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN OUTLET OF FEMALE IRON PIPE THREADS, TO HAVE LARGE RAISED RECTANGULAR KEYWAY FORD #FB1600-4; 1 INCH CC/FIP (38064)	64 -	128 -
21	36.00	ONLY	0210 CORPORATION STOP, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS AND AN OUTLET OF FEMALE IRON PIPE THREADS, TO HAVE LARGE RAISED RECTANGULAR KEYWAY FORD #FB1600-7; 2 INCH CC/FIP (38094)	28.74	1034.64
22	180.00	ONLY	0220 CORPORATION STOP, TO HAVE AN INLET OF MALE IRON PIPE THREADS AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED RECTANGULAR KEYWAY; FORD #FB1100-3 3/4 INCH MIP/PJ (38033)	37.80	6804 -
			0230 CORPORATION STOP, TO HAVE AN INLET OF MALE IRON PIPE THREADS AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
23	10.00	ONLY	RECTANGULAR KEYWAY; FORD #FB1100-4 1 INCH MIP/PJ (38063)	132 ⁻	1320 ⁻
24	1.00	ONLY	0240 CORPORATION STOP, TO HAVE AN INLET OF MALE IRON PIPE THREADS AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW, TO HAVE LARGE RAISED RECTANGULAR KEYWAY; FORD #FB1100-7 2 INCH MIP/PJ (38093)	8.47	8.47
25	1.00	ONLY	0250 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF FEMALE IRON PIPE THREADING; FORD #C31-23 5/8 INCH X 3/4 INCH MTR/FIP (38135)	12.21	12.21
26	1.00	ONLY	0260 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF FEMALE IRON PIPE THREADING; FORD #C31-44 1 INCH MTR/FIP (38136)	33.61	33.61
27	510.00	ONLY	0270 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF FEMALE IRON PIPE THREADING; FORD #C31-77 2 INCH MTR/FIP	5.79	2952.90
28	50.00	ONLY	0280 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF MALE IRON PIPE THREADING; FORD #C38-23-2.5 5/8 INCH X 3/4 INCH MTR/MIP (38110)	8.90	445 ⁻
29	1.00	ONLY	0290 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF MALE IRON PIPE THREADING; FORD #C38-44-2.625 1 INCH MTR/MIP (38120)	37.11	37.11
30	1.00	ONLY	0300 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF MALE IRON PIPE THREADING; FORD #C38-77 2 INCH MTR/MIP (38130)	133 ⁻	133 ⁻
			0310 COUPLING, METER, TO HAVE AN INLET OF OVAL METER FLANGE AND AN OUTLET OF		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
31	340.00	ONLY	FEMALE IRON PIPE; FORD #CF31-77 2 INCH FLG/FIP (38160)	33.78	11485.20
32	3,800.00	ONLY	0320 COUPLING, METER, TO HAVE AN INLET OF OVAL METER FLANGE AND AN OUTLET OF MALE IRON PIPE; FORD #CF38-77-1-937 2 INCH FLG/MIP (38098)	11.10	42180 -
33	1,200.00	ONLY	0330 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #C24-23; 5/8 INCH X 3/4 INCH MTR/PJ (38155)	14.93	17916 -
34	1.00	ONLY	0340 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #C34-44; 1 INCH MTR/PJ (38165)	31 -	31 -
35	1.00	ONLY	0350 COUPLING, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #C34-77; 2 INCH MTR/PJ	56.82	56.82
36	5,800.00	ONLY	0360 COUPLING, METER, OVAL METER FLANGE WITH AN OUTLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW A Y MCDONALD #610-222; 2 INCH FLG/PJ	10.84	62872 -
37	1,090.00	ONLY	0370 COUPLING, UNION, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #C44-33 3/4 INCH PJ (38102)	12.41	13526.90
38	180.00	ONLY	0380 COUPLING, UNION, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #C44-44 1 INCH PJ (38104)	56.04	10087.20
			0390 COUPLING, UNION, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #C44-77		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
39	750.00	ONLY	2 INCH PJ (38106) 0400 COUPLING, UNION (REDUCER), TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #C44-34 3/4 INCH PJ X 1 INCH PJ (38208)	12.60	9450-
40	225.00	ONLY	0410 COUPLING, UNION/ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR PE TUBING, AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR IP PIPE; FORD #C45-33 3/4 INCH PE-PJ/IP-PJ (38021)	12-	2700-
41	138.00	ONLY	0420 COUPLING, UNION/ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR PE TUBING, AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR IP PIPE; FORD #C45-44 1 INCH PE-PJ/IP-PJ (38022)	16.11	2223.18
42	24.00	ONLY	0430 COUPLING, UNION/ADAPTER, TO HAVE AN INLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR PE TUBING, AND AN OUTLET OF PACK JOINT COMPRESSION FITTING WITH CLAMPING SET SCREW AND GASKET FOR IP PIPE; FORD #C45-77 2 INCH PE-PJ/IP-PJ (38023)	58.35	1400.40
43	1.00	ONLY	0440 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF FEMALE IRON PIPE THREADS AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B11-333W; 3/4 INCH FIP (38081)	31.82	31.82
44	1.00	ONLY	0450 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF FEMALE IRON PIPE THREADS AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B11-444W; 1 INCH FIP (38085)	48.76	48.76
45	1.00	ONLY	0460 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF FEMALE IRON PIPE	241-	241-

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
46	3,700.00	ONLY	THREADS AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B11-777W; 2 INCH FIP (38088)	39.54	146298-
47	820.00	ONLY	0470 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF PACK JOINT	58.84	48248.80
48	1.00	ONLY	COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B44-333W; 3/4 INCH PJ (38086)	297-	297-
49	1.00	ONLY	0480 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF PACK JOINT	35.79	35.79
50	1.00	ONLY	COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B44-444W; 1 INCH PJ (38091)	54.28	54.28
51	1.00	ONLY	0490 CURB STOP, BALL VALVE, TO HAVE AN INLET AND AN OUTLET OF PACK JOINT	161.88	161.88
52	1,440.00	ONLY	COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #B44-777W; 2 INCH PJ (38096A)	14.02	20188.80
			0500 CURB STOP, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE		
			FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE IRON PIPE, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #B41-333W 3/4 INCH PJ/FIP		
			0510 CURB STOP, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE		
			FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE IRON PIPE, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #B41-444W 1 INCH PJ/FIP		
			0520 CURB STOP, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE		
			FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE IRON PIPE, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #B41-777W 2 INCH PJ/FIP		
			0530 ELBOW, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
53	314.00	ONLY	SET SCREW; FORD #L44-33 3/4 INCH PJ (38180) 0540 ELBOW, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING	17.81	5592.34
54	145.00	ONLY	SET SCREW; FORD #L44-44 1 INCH PJ (38181) 0550 ELBOW, TO HAVE AN INLET AND OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING	115.35	16725.75
55	1.00	ONLY	SET SCREW; FORD #L44-77 2 INCH PJ (38099) 0560 ELBOW (ADAPTER), TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING	12.63	12.63
56	2.00	ONLY	SET SCREW AND AN OUTLET OF FEMALE IRON PIPE; FORD #L14-33; 3/4 INCH PJ/FIP (38176) 0570 ELBOW (ADAPTER), TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING	20.60	41.20
57	1.00	ONLY	SET SCREW AND AN OUTLET OF FEMALE IRON PIPE; FORD #L14-44; 1 INCH PJ/FIP (38177) 0580 ELBOW (ADAPTER), TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING	9.76	9.76
58	2.00	ONLY	SET SCREW AND AN OUTLET OF MALE IRON PIPE; FORD #L84-33; 3/4 INCH PJ/MIP 0590 ELBOW (ADAPTER), TO HAVE AN INLET OF PACK JOINT COMPRESSION WITH CLAMPING	16.22	32.44
59	2.00	ONLY	SET SCREW AND AN OUTLET OF MALE IRON PIPE; FORD #L84-44; 1 INCH PJ/MIP 0600 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH	10.01	20.02
60	1.00	ONLY	AN OUTLET OF FEMALE IRON PIPE FORD #L31-23; 3/4 INCH MTR/FIP 0610 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF FEMALE IRON PIPE	14.71	14.71

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

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ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
61	1.00	ONLY	FORD #L31-44; 1 INCH MTR/FIP	8.50	8.50
62	1.00	ONLY	0620 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF MALE IRON PIPE FORD #L38-23; 3/4 INCH MTR/MIP (38171)	12.13	12.13
63	1,000.00	ONLY	0630 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF MALE IRON PIPE FORD #L38-44; 1 INCH MTR/MIP (38172)	12.40	12400
64	182.00	ONLY	0640 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #L34-23 3/4 INCH MTR/PJ (38190)	19.91	3623.62
65	1.00	ONLY	0650 ELBOW, METER, TO HAVE AN INLET OF FEMALE THREADED METER NUT COUPLER WITH AN OUTLET OF PACK JOINT COMPRESSION WITH CLAMPING SET SCREW; FORD #L34-44 1 INCH MTR/PJ (38191)	2.98	2.98
66	1.00	ONLY	0660 NUT, PACK JOINT WITH CLAMPING SET SCREW AND GASKET; FORD #NG-D4 3/4 INCH (38037)	3.39	3.39
67	1.00	ONLY	0670 NUT, PACK JOINT WITH CLAMPING SET SCREW AND GASKET; FORD #NG-F4 1 INCH (38038)	13.59	13.59
68	1.00	ONLY	0680 NUT, PACK JOINT WITH CLAMPING SET SCREW AND GASKET; FORD #NG-K4 2 INCH (38039)	5.04	5.04
69	80.00	ONLY	0690 PLUG, BRASS, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS, TO HAVE RAISED SQUARE WRENCH HEAD NUT MUELLER #H-10033-33 3/4 INCH MALE CC (37998)	7.33	586.40
			0700 PLUG, BRASS, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS, TO HAVE		

INVITATION TO BID FROM JEFFERSON PARISH - continued

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ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
70	1.00	ONLY	RAISED SQUARE WRENCH HEAD NUT MUELLER #H-10033-44 1 INCH MALE CC (38000)	34 ⁻	34 ⁻
71	30.00	ONLY	0710 PLUG, BRASS, TO HAVE AN INLET OF CC/AWWA MALE TAPER THREADS, TO HAVE RAISED SQUARE WRENCH HEAD NUT MUELLER #H-10033-77 2 INCH MALE CC (38003)	24.24	767.20
72	1.00	ONLY	0720 TEE, INLET RUN AND OUTLET BRANCH ARE TO BE OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #T444-333 3/4 INCH PJ X 3/4 INCH PJ X 3/4 INCH PJ (38211)	27.96	27.96
73	105.00	ONLY	0730 TEE, INLET RUN AND OUTLET BRANCH ARE TO BE OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #T444-344 3/4 INCH PJ X 3/4 INCH PJ X 1 INCH PJ (38212)	28.50	2992.50
74	78.00	ONLY	0740 TEE, INLET RUN AND OUTLET BRANCH ARE TO BE OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #T444-443 1 INCH PJ X 1 INCH PJ X 3/4 INCH PJ (38213)	28 ⁻	2184 ⁻
75	1.00	ONLY	0750 TEE, INLET RUN AND OUTLET BRANCH ARE TO BE OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #T444-444 1 INCH PJ X 1 INCH PJ X 1 INCH PJ (38214)	250 ⁻	250 ⁻
76	1.00	ONLY	0760 TEE, INLET RUN AND OUTLET BRANCH ARE TO BE OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #T444-777 2 INCH PJ X 2 INCH PJ X 2 INCH PJ (38215)	38.11	38.11
			0770 TEE, MULTI-SERVICE, TO HAVE AN INLET OF FEMALE IRON PIPE AND OUTLET OF SIX (6) FEMALE IRON PIPE; FORD #T11-674		

INVITATION TO BID FROM JEFFERSON PARISH - continued

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SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
77	5,200.00	ONLY	1-2 INCH FIP (BOTTOM) X 6-1 INCH FIP (PERIMETER) 0780 VALVE, METER, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE METER NUT COUPLER, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #B43-332W 3/4 INCH X 5/8 INCH X 3/4 INCH PJ/MTR (38082)	39.91	207532-
78	415.00	ONLY	0790 VALVE, METER, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE METER NUT COUPLER, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #B43-444W 1 INCH PJ/MTR (38092)	58.99	24480.85
79	210.00	ONLY	0800 VALVE, METER, BALL VALVE, TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF OVAL METER FLANGE, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS; FORD #BF43-777W 2 INCH PJ/MTR (38097)	178.69	37524.90
80	365.00	ONLY	0810 VALVE, METER, BALL VALVE, 90 DEGREES TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE METER NUT COUPLER, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #BA43-332W; 3/4 INCH X 5/8 INCH X 3/4 INCH PJ/MTR (38125)	43.93	16034.45
81	35.00	ONLY	0820 VALVE, METER, BALL VALVE, 90 DEGREES TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF FEMALE METER NUT COUPLER, TO HAVE LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #BA43-444W; 1 INCH PJ/MTR (38126)	67.64	2367.40
82	12.00	ONLY	0830 VALVE, METER, BALL VALVE, 90 DEGREES TO HAVE AN INLET OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW AND AN OUTLET OF OVAL METER	91.66	1099.92

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
83	100.00	ONLY	FLANGE WITH A LARGE RAISED RECTANGULAR KEYWAY WITH PADLOCK WINGS FORD #FV43-777W; 2 INCH PJ/FLG (38127)	43.77	4377-
84	1.00	ONLY	0840 WYE (X), TO HAVE AN INLET AND FOUR OUTLETS OF FEMALE IRON PIPE FORD #Y11-474 1-2 INCH FIP X 4-1 INCH FIP (38070)	19-	19-
85	2.00	ONLY	0850 WYE (Y), TO HAVE TWO INLETS AND AN OUTLET OF MALE IRON PIPE; MUELLER #H-10070 2-3/4 INCH MIP X 1-1 INCH MIP	22.45	44.90
86	1.00	ONLY	0860 WYE (Y), TO HAVE AN INLET AND TWO OUTLETS OF PACK JOINT COMPRESSION TYPE FITTING WITH CLAMPING SET SCREW FORD #Y44-243 1-1 INCH PJ X 2-3/4 INCH PJ	1.07	1.07
87	1.00	ONLY	0870 GASKET, BLIND, FOR 3/4 INCH WATER METER, TO BE MADE OF VULCANIZED FIBER MATERIAL FOR USE ON POTABLE WATER 1-5/32 INCH O.D. X 1/16 INCH THICK (22075)	1.09	1.09
88	5,000.00	ONLY	0880 GASKET, BLIND, FOR 1 INCH WATER METER, TO BE MADE OF VULCANIZED FIBER MATERIAL FOR USE ON POTABLE WATER 1-1/2 INCH O.D. X 1/16 INCH THICK (22095)	.40	2000-
89	1,700.00	ONLY	0890 GASKET, RING (FIBER), FOR 3/4 INCH WATER METER, TO BE MADE OF VULCANIZED FIBER MATERIAL FOR USE ON POTABLE WATER 1-5/32 INCH O.D. X 23/32 INCH I.D. X 1/16 INCH THICK (22070)	.52	884-
90	21,000.00	ONLY	0900 GASKET, RING (FIBER), FOR 1 INCH WATER METER, TO BE MADE OF VULCANIZED FIBER MATERIAL FOR USE ON POTABLE WATER 1-1/2 INCH O.D. X 1 INCH I.D. X 1/16 INCH THICK (22090)	.52	10920-
			0910 GASKET, RING (METER COUPLING), FOR 3/4 INCH WATER METER, TO BE MADE OF		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
91	1,500.00	ONLY	NEOPRENE MATERIAL FOR USE ON POTABLE WATER; 1-5/32 INCH O.D. X 25/32 INCH I.D. X 1/8 INCH THICK (22080)	.49	735 ⁻
92	1,200.00	ONLY	0920 GASKET, RING (METER COUPLING), FOR 1 INCH WATER METER, TO BE MADE OF NEOPRENE MATERIAL FOR USE ON POTABLE WATER; 1-1/2 INCH O.D. X 1 INCH I.D. X 1/8 INCH THICK (22100)	.20	240 ⁻
93	400.00	ONLY	0930 GASKET, RING (YOKE BOX), FOR 3/4 INCH YOKE BOX EXPANSION CONNECTOR, TO BE MADE OF NEOPRENE MATERIAL FOR USE ON POTABLE WATER; FORD #GT 118 1-11/32 INCH O.D. X 26/32 INCH I.D. X 1/8 INCH THICK (22074)	1.03	412 ⁻
94	56.00	ONLY	0940 GASKET, DROP-IN FOR 2 INCH FLANGE (OVAL) WATER METER, TO BE MADE OF TWO-PLY NEOPRENE MATERIAL FOR USE ON POTABLE WATER; 3-15/16 INCH O.D. X 2-1/4 INCH I.D. X 1/8 INCH THICK WITH EARS TO SET ON TOP OF FLANGE BOLTS, TWO-PLY (38390)	7.30	408.80
95	1.00	ONLY	0950 BUSHING, TO HAVE AN INLET OF MALE IRON PIPE THREAD AND AN OUTLET OF FEMALE IRON PIPE THREAD 1 INCH MIP X 3/4 INCH FIP (37114)	21.84	21.84
96	1.00	ONLY	0960 BUSHING, TO HAVE AN INLET OF MALE IRON PIPE THREAD AND AN OUTLET OF FEMALE IRON PIPE THREAD 2 INCH MIP X 1 INCH FIP (37125)	4.99	4.99
97	1.00	ONLY	0970 CAP, OF FEMALE IRON PIPE THREAD 3/4 INCH FIP (37154)	9.05	9.05
98	1.00	ONLY	0980 CAP, OF FEMALE IRON PIPE THREAD 1 INCH FIP (37155)	35.89	35.89
99	2.00	ONLY	0990 CAP, OF FEMALE IRON PIPE THREAD 2 INCH FIP (37158)	7 ⁻	14 ⁻
			1000 COUPLING, OF FEMALE IRON PIPE THREAD; 3/4 INCH FIP (37206)		

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
100	1.00	ONLY	1010 COUPLING, OF FEMALE IRON PIPE THREAD; 1 INCH FIP (37209)	11.94	11.94
101	3.00	ONLY	1020 COUPLING, OF FEMALE IRON PIPE THREAD; 2 INCH FIP (37218)	42.88	128.64
102	1.00	ONLY	1030 CROSS, OF FEMALE IRON PIPE THREAD 3/4 INCH FIP (37254)	20-	20-
103	1.00	ONLY	1040 CROSS, OF FEMALE IRON PIPE THREAD 1 INCH FIP (37256)	34-	34-
104	1.00	ONLY	1050 CROSS, OF FEMALE IRON PIPE THREAD 2 INCH FIP (37267)	130-	130-
105	1.00	ONLY	1060 ELBOW, 45 DEGREE, OF FEMALE IRON PIPE THREAD; 3/4 INCH FIP (37304)	10-	10-
106	1.00	ONLY	1070 ELBOW, 45 DEGREE, OF FEMALE IRON PIPE THREAD; 1 INCH FIP (37305)	17-	17-
107	1.00	ONLY	1080 ELBOW, 45 DEGREE, OF FEMALE IRON PIPE THREAD; 2 INCH FIP (37308)	57-	57-
108	1.00	ONLY	1090 ELBOW, 90 DEGREE, OF FEMALE IRON PIPE THREAD; 3/4 INCH FIP (37359)	8-	8-
109	1.00	ONLY	1100 ELBOW, 90 DEGREE, OF FEMALE IRON PIPE THREAD; 1 INCH FIP (37363)	13-	13-
110	18.00	ONLY	1110 ELBOW, 90 DEGREE, OF FEMALE IRON PIPE THREAD; 2 INCH FIP (37376)	41-	738-
111	1.00	ONLY	1120 ELBOW, STREET, 45 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END	13-	13-

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
112	1.00	ONLY	3/4 INCH FIP/MIP (37404) 1130 ELBOW, STREET, 45 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END 1 INCH FIP/MIP (37405)	23 ⁻	23 ⁻
113	1.00	ONLY	1140 ELBOW, STREET, 45 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END 2 INCH FIP/MIP (37408)	82 ⁻	82 ⁻
114	1.00	ONLY	1150 ELBOW, STREET, 90 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END 3/4 INCH FIP/MIP (37454)	11 ⁻	11 ⁻
115	1.00	ONLY	1160 ELBOW, STREET, 90 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END 1 INCH FIP/MIP (37455)	18 ⁻	18 ⁻
116	1.00	ONLY	1170 ELBOW, STREET, 90 DEGREE, TO HAVE FEMALE IRON PIPE THREAD ON ONE END, AND MALE IRON PIPE THREAD ON THE OTHER END 2 INCH FIP/MIP (37459)	60 ⁻	60 ⁻
117	1.00	ONLY	1180 NIPPLE, ALL MALE IRON PIPE THREAD 3/4 INCH MIP X 1-1/2 INCH MIP (37580)	2.18	2.18
118	1.00	ONLY	1190 NIPPLE, ALL MALE IRON PIPE THREAD 3/4 INCH MIP X 2 INCH MIP (37582)	2.58	2.58
119	1.00	ONLY	1200 NIPPLE, ALL MALE IRON PIPE THREAD 3/4 INCH MIP X 3 INCH MIP (37584)	3.44	3.44
120	1.00	ONLY	1210 NIPPLE, ALL MALE IRON PIPE THREAD 1 INCH MIP X CLOSE MIP (37600)	3 ⁻	3 ⁻
121	2.00	ONLY	1220 NIPPLE, ALL MALE IRON PIPE THREAD 1 INCH MIP X 2 INCH MIP (37601)	3.73	7.46
122	1.00	ONLY	1230 NIPPLE, ALL MALE IRON PIPE THREAD 1 INCH MIP X 4 INCH MIP (37605)	6.50	6.50

INVITATION TO BID FROM JEFFERSON PARISH - continued

BID NO.: 50-00119963

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
123	1.00	ONLY	1240 NIPPLE, ALL MALE IRON PIPE THREAD 2 INCH MIP X CLOSE MIP (37660)	9 ⁻	9 ⁻
124	1.00	ONLY	1250 NIPPLE, ALL MALE IRON PIPE THREAD 2 INCH MIP X 4 INCH MIP (37664)	14.66	14.66
125	1.00	ONLY	1260 REDUCER, ALL FEMALE IRON PIPE THREAD; 1 INCH FIP X 3/4 INCH FIP	13 ⁻	13 ⁻
126	1.00	ONLY	1270 REDUCER, ALL FEMALE IRON PIPE THREAD; 2 INCH FIP X 1 INCH FIP	60 ⁻	60 ⁻
127	1.00	ONLY	1280 TEE, ALL FEMALE IRON PIPE THREAD 3/4 INCH FIP X 3/4 INCH FIP X 3/4 INCH FIP (37814)	10 ⁻	10 ⁻
128	1.00	ONLY	1290 TEE, ALL FEMALE IRON PIPE THREAD 1 INCH FIP X 1 INCH FIP X 1 INCH FIP (37823)	18 ⁻	18 ⁻
129	1.00	ONLY	1300 TEE, ALL FEMALE IRON PIPE THREAD 1 INCH FIP X 1 INCH FIP X 3/4 INCH FIP (37832)	28 ⁻	28 ⁻
130	2.00	ONLY	1310 TEE, ALL FEMALE IRON PIPE THREAD 2 INCH FIP X 2 INCH FIP X 2 INCH FIP (37860)	57 ⁻	114 ⁻
131	1.00	ONLY	1320 TEE, ALL FEMALE IRON PIPE THREAD 2 INCH FIP X 2 INCH FIP X 3/4 INCH FIP (37870)	82 ⁻	82 ⁻
132	1.00	ONLY	1330 TEE, ALL FEMALE IRON PIPE THREAD 2 INCH FIP X 2 INCH FIP X 1 INCH FIP (37871)	75 ⁻	75 ⁻
133	1.00	ONLY	1340 UNION, ALL FEMALE IRON PIPE THREAD; 3/4 INCH FIP (37904)	24 ⁻	24 ⁻

INVITATION TO BID FROM JEFFERSON PARISH - continued

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
134	1.00	ONLY	1350 UNION, ALL FEMALE IRON PIPE THREAD; 1 INCH FIP (37905)	36-	36-
135	1.00	ONLY	1360 UNION, ALL FEMALE IRON PIPE THREAD; 2 INCH FIP (37908)	79-	79-
136	1.00	ONLY	1370 TEE, 2 INCH PACK JOINT X 2 INCH PACK JOINT X 3/4 INCH FEMALE IRON PIPE THREAD (38100)	80.22	80.22
137	5.00	ONLY	1380 TEE, 2 INCH PACK JOINT X 2 INCH PACK JOINT X 3/4 INCH CC (38101)	77.84	389.20



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

8/19/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER E B Ducasse Insurance Agency, Inc 3200 Ridgelake Dr, Suite 401		CONTACT NAME: Darly Oser PHONE (A/C, No, Ext): (504) 840-9883 E-MAIL ADDRESS: doser@ebducasse.com FAX (A/C, No): (504) 840-9889	
Metairie LA 70002 INSURED CIMSCO INC 1840 L AND A ROAD		INSURER(S) AFFORDING COVERAGE INSURER A: United Fire and Indemnity Co NAIC # 19496 INSURER B: Progressive Paloverde Insuran 44695 INSURER C: Retailers Casualty Ins. Co INSURER D: INSURER E: INSURER F:	
METAIRIE LA 70001-6237			

COVERAGES**CERTIFICATE NUMBER:** CL1681900937**REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADD'L SUBR INSD W/O	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER		60418952	9/1/2016	9/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Liquor Liability Exclusion \$
B	AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS		01817731-4	9/1/2016	9/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Policy Fee \$
	UMBRELLA LIAB EXCESS LIAB DED RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A	99909508	9/1/2016	9/1/2017	PER STATUTE OTH-ER E L EACH ACCIDENT \$ 1,000,000 E L DISEASE - EA EMPLOYEE \$ 1,000,000 E L DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

The Parish of Jefferson, its districts, departments, and agencies under the direction of the Parish President and Parish Council are named as additional insured on the general liability and auto liability policies when required by written contract. The general liability and workers comp insurers will have no right of recovery or subrogation against the Parish of Jefferson, its Districts, Departments and Agencies under the direction of the Parish President and Parish Council, it being the intention of the parties that the General Liability and Workers Compensation policies described above shall protect both parties and be primary coverage for any and all losses covered by the described insurance. Bid No: 50-119963

CERTIFICATE HOLDER**CANCELLATION**

The Parish of Jefferson, its Districts, Department & Agencies under the direction the Parish President & the Parish Council
Department of Engineering
1221 Elmwood Park Blvd Su 802
Jefferson, LA 70123

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

E Ducasse Sr./DARLY

Edward B. Ducasse Sr.

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CORPORATE RESOLUTION

EXCERPT FROM MINUTES OF MEETING OF THE BOARD OF DIRECTORS OF
Cimsco, Inc
INCORPORATED.

AT THE MEETING OF DIRECTORS OF Cimsco
INCORPORATED, DULY NOTICED AND HELD ON November 1, 2016,
A QUORUM BEING THERE PRESENT, ON MOTION DULY MADE AND SECONDED. IT
WAS:

RESOLVED THAT Jeff Deviller, BE AND IS HEREBY
APPOINTED, CONSTITUTED AND DESIGNATED AS AGENT AND ATTORNEY-IN-
FACT OF THE CORPORATION WITH FULL POWER AND AUTHORITY TO ACT ON
BEHALF OF THIS CORPORATION IN ALL NEGOTIATIONS, BIDDING, CONCERNS
AND TRANSACTIONS WITH THE PARISH OF JEFFERSON OR ANY OF ITS AGENCIES,
DEPARTMENTS, EMPLOYEES OR AGENTS, INCLUDING BUT NOT LIMITED TO, THE
EXECUTION OF ALL BIDS, PAPERS, DOCUMENTS, AFFIDAVITS, BONDS, SURETIES,
CONTRACTS AND ACTS AND TO RECEIVE ALL PURCHASE ORDERS AND NOTICES
ISSUED PURSUANT TO THE PROVISIONS OF ANY SUCH BID OR CONTRACT, THIS
CORPORATION HEREBY RATIFYING, APPROVING, CONFIRMING, AND ACCEPTING
EACH AND EVERY SUCH ACT PERFORMED BY SAID AGENT AND ATTORNEY-IN-
FACT.

I HEREBY CERTIFY THE FOREGOING TO BE
A TRUE AND CORRECT COPY OF AN
EXCERPT OF THE MINUTES OF THE ABOVE
DATED MEETING OF THE BOARD OF
DIRECTORS OF SAID CORPORATION, AND
THE SAME HAS NOT BEEN REVOKED OR
RESCINDED.

Ashley E. Rizer
SECRETARY-TREASURER

6/26/17
DATE

Non-Public Works Bid

AFFIDAVIT

STATE OF LAPARISH/COUNTY OF Jefferson

BEFORE ME, the undersigned authority, personally came and appeared: Jeff
DeVillier, (Affiant) who after being by me duly sworn, deposed and said that
he/she is the fully authorized AGENT of Cimco (Entity),
the party who submitted a bid in response to Bid Number 50-119963, to the Parish of
Jefferson.

Affiant further said:

Campaign Contribution Disclosures

(Choose A or B, if option A is indicated please include the required
attachment):

Choice A _____

Attached hereto is a list of all campaign contributions, including the date and amount of each contribution, made to current or former elected officials of the Parish of Jefferson by Entity, Affiant, and/or officers, directors and owners, including employees, owning 25% or more of the Entity during the two-year period immediately preceding the date of this affidavit or the current term of the elected official, whichever is greater. Further, Entity, Affiant, and/or Entity Owners have not made any contributions to or in support of current or former members of the Jefferson Parish Council or the Jefferson Parish President through or in the name of another person or legal entity, either directly or indirectly.


Choice B /

there are NO campaign contributions made which would require disclosure under Choice A of this section.

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A _____ Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.

Choice B  _____ There are **NO** debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

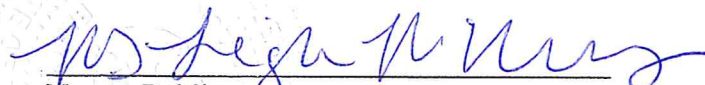


Signature of Affiant

Jeff DeVillion

Printed Name of Affiant

SWORN AND SUBSCRIBED TO BEFORE ME
ON THE 27 DAY OF June, 2017.



Notary Public

Brandy McReynolds

Printed Name of Notary

37504

Notary/Bar Roll Number



Brandy-Leigh McReynolds
Notary Public
State of Louisiana
LSBA# 37504
My Commission Is For Life

My commission expires upon death

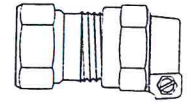
Notary Search - Detail

Name: BRANDY-LEIGH MCREYNOLDS
Address: 4501 ST. ANN ST
NEW ORLEANS, LA 70119
Phone: (772) 285-7852
Notary ID Number: 150747
Parish: ORLEANS with STATEWIDE JURISDICTION
Agency: N/A
Notary Type: Attorney
Bar Roll #: 37504
Status: Active
Commission Date: 06/01/2017
Oath Date: 05/24/2017
Surety Expiration Date: Not Required
Annual Report Current: Not Applicable

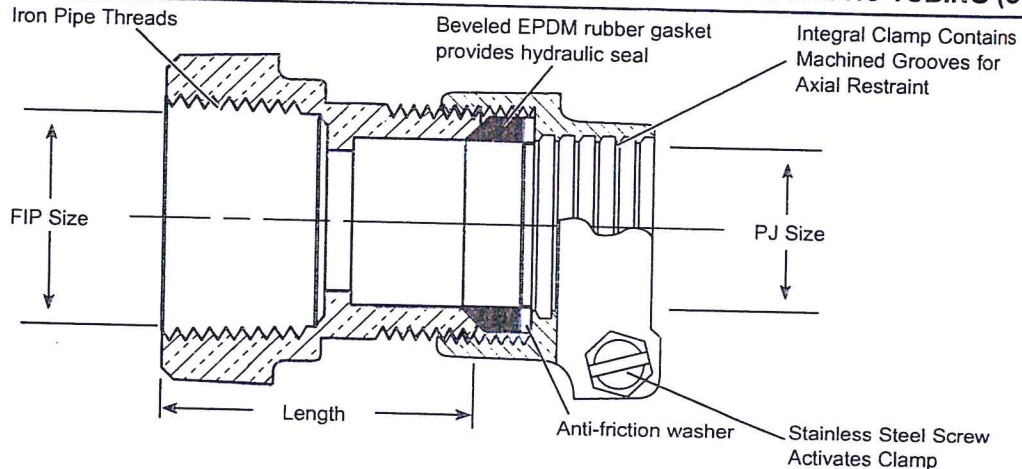
[Back to Search Results](#)[New Search](#)

SUBMITTAL INFORMATION

Pack Joint Coupling - (C14-xx-NL style)



FEMALE IRON PIPE THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
FEMALE IRON PIPE	P.J. FOR CTS				
1/2"	1/2"	1-9/16"	0.4	C14-11-NL	
1/2"	3/4"	1-5/16"	0.5	C14-13-NL	
3/4"	1/2"	1-3/4"	0.6	C14-31-NL	
3/4"	3/4"	1-5/16"	0.6	C14-33-NL	
3/4"	1"	1-3/4"	0.7	C14-34-NL	
3/4"	1-1/4"	1-7/8"	1.3	C14-35-NL	
1"	3/4"	1-13/16"	0.7	C14-43-NL	
1"	1"	1-7/8"	0.9	C14-44-NL	
1"	1-1/4"	1-13/16"	1.1	C14-45-NL	
1-1/4"	1"	1-13/16"	0.9	PJA4-44-C14-54-NL	
1-1/4"	1-1/4"	1-15/16"	1.4	PJA4-45-C14-55-NL	
1-1/4"	1-1/2"	2-1/8"	1.7	PJA4-46-C14-56-NL	
1-1/2"	1-1/2"	2-7/16"	2.3	C14-66-NL	
1-1/2"	2"	2-1/2"	2.6	C14-67-NL	
2"	1-1/2"	3-1/4"	2.5	C14-76-NL	
2"	2"	2-1/4"	2.8	C14-77-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Sleeve design provides hexagonal wrench flats for proper installation

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.

P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

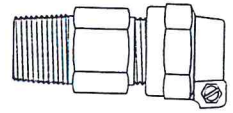
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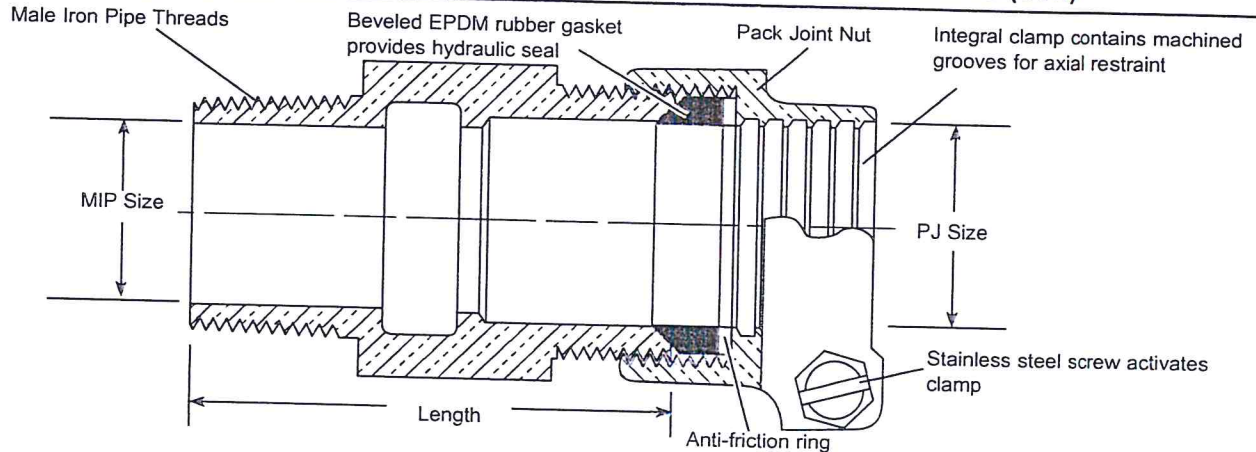
12/12/14

SUBMITTAL INFORMATION

Pack Joint Coupling - (C84-xx-NL style)



MALE IRON PIPE BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
MALE IRON PIPE	P.J. FOR CTS				
1/2"	1/2"	2"	0.5	C84-11-NL	
1/2"	5/8"	2-1/16"	0.8	C84-12-NL	
1/2"	3/4"	2-1/16"	0.8	C84-13-NL	
3/4"	1/2"	2"	0.8	C84-31-NL	
3/4"	5/8"	-	0.7	C84-32-NL	
3/4"	3/4"	2-1/4"	0.6	C84-33-NL	
3/4"	1"	2-3/8"	0.7	C84-34-NL	
1"	5/8"	-	0.7	C84-42-NL	
1"	3/4"	2-3/8"	0.7	C84-43-NL	
1"	1"	2-9/16"	0.8	C84-44-NL	
1"	1-1/4"	2-1/2"	1.2	C84-45-NL	
1"	1-1/2"	2-9/16"	1.8	C84-46-NL	
1-1/4"	1"	2-9/16"	1.4	C84-54-NL	
1-1/4"	1-1/4"	2-9/16"	1.4	C84-55-NL	
1-1/4"	1-1/2"	3-1/4"	1.8	C84-56-NL	
1-1/2"	1-1/2"	3-1/4"	2.0	C84-66-NL	
1-1/2"	2"	2-15/16"	2.6	C84-67-NL	
2"	2"	3-1/4"	3.1	C84-77-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Sleeve design provides hexagonal wrench flats for proper installation

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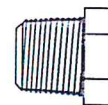
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

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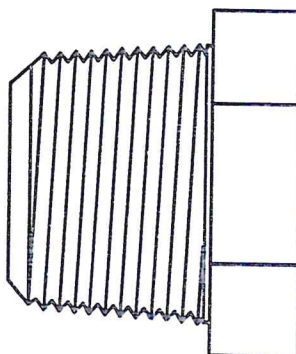
Submitted By:

SUBMITTAL INFORMATION

Brass Bushings for Corporation Stop Inlets - (BBAA-xx-NL style)



MALE AWWA TAPER OUTSIDE THREAD BY FEMALE AWWA TAPER INSIDE THREAD



DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
OUTSIDE THREAD SIZE AND TYPE	INSIDE THREAD SIZE AND TYPE				
3/4" Male AWWA Taper Thread	1/2" Female AWWA Taper Thread	0.30	50	BBAA-31-NL	
1" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	0.45	36	BBAA-43-NL	
1-1/4" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	1.00	-	BBAA-53-NL	
1-1/2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	1.25	10	BBAA-63-NL	
1-1/2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	1.25	10	BBAA-64-NL	
2" Male AWWA Taper Thread	3/4" Female AWWA Taper Thread	2.20	8	BBAA-73-NL	
2" Male AWWA Taper Thread	1" Female AWWA Taper Thread	2.10	8	BBAA-74-NL	
2" Male AWWA Taper Thread	1-1/4" Female AWWA Taper Thread	1.80	8	BBAA-75-NL	
2" Male AWWA Taper Thread	1-1/2" Female AWWA Taper Thread	1.50	12	BBAA-76-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Hexagonal wrench flats are provided for proper installation

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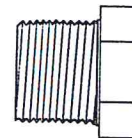
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Overseas Fax: 260-563-0167
<http://www.fordmeterbox.com>

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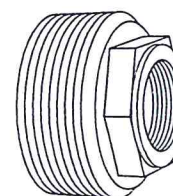
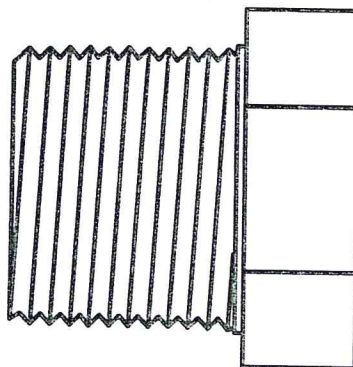
Submitted By:

SUBMITTAL INFORMATION

Brass Bushings for Corporation Stop Inlets - (BBIA-xx-NL style)



MALE IRON PIPE OUTSIDE THREAD BY FEMALE AWWA TAPER INSIDE THREAD



BBIA-73-NL

DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
OUTSIDE THREAD SIZE AND TYPE	INSIDE THREAD SIZE AND TYPE				
1" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.34	30	BBIA-43-NL	
1-1/4" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.45	-	BBIA-53-NL	
1-1/4" Male iron Pipe Thread	1" Female AWWA Taper Thread	0.30	35	BBIA-54-NL	
1-1/2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.80	-	BBIA-63-NL	
1-1/2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.00	10	BBIA-64-NL	
2" Male Iron Pipe Thread	3/4" Female AWWA Taper Thread	0.70	16	BBIA-73-NL	
2" Male Iron Pipe Thread	1" Female AWWA Taper Thread	1.30	12	BBIA-74-NL	
2" Male Iron Pipe Thread	1-1/4" Female AWWA Taper Thread	1.00	14	BBIA-75-NL	
2" Male Iron Pipe Thread	1-1/2" Female AWWA Taper Thread	0.78	12	BBIA-76-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Hexagonal wrench flats are provided for proper installation

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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

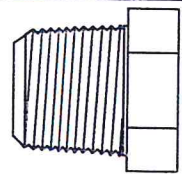
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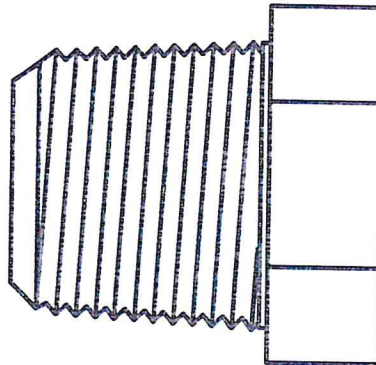
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SUBMITTAL INFORMATION

Brass Bushings for Corporation Stop Inlets - (BBAI-xx-NL style)



MALE AWWA TAPER OUTSIDE THREAD BY FEMALE IRON PIPE INSIDE THREAD



DESCRIPTION		APPROX. WT. LBS.	STD. PKG. QTY.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
OUTSIDE THREAD SIZE AND TYPE	INSIDE THREAD SIZE AND TYPE				
3/4" Male AWWA Taper Thread	1/2" Female Iron Pipe Thread	0.30	50	BBAI-31-NL	
1" Male AWWA Taper Thread	3/4" Female Iron Pipe Thread	0.45	30	BBAI-43-NL	
1-1/2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	1.00	10	BBAI-65-NL	
2" Male AWWA Taper Thread	1-1/4" Female Iron Pipe Thread	1.81	8	BBAI-75-NL	
2" Male AWWA Taper Thread	1-1/2" Female Iron Pipe Thread	1.75	8	BBAI-76-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Hexagonal wrench flats are provided for proper installation

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Overseas Fax: 260-563-0167
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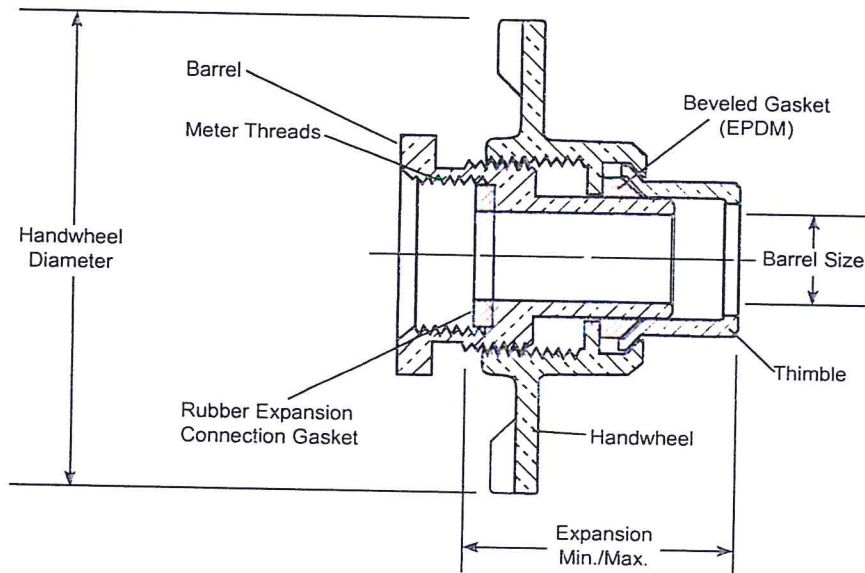
Submitted By:

SUBMITTAL INFORMATION

Expansion Connection - (EC-x-NL style)



HANDWHEEL TYPE



METER SIZE	BARREL SIZE	HANDWHEEL DIAMETER	EXPANSION		APPROX. WT. LBS.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
			MIN.	MAX.			
5/8"	19/32"	3-1/4"	1-7/16"	1-3/4"	0.7	EC-1-NL	
5/8"x3/4" & 3/4"	3/4"	3-1/2"	1-5/8"	2"	0.9	EC-23-NL	
1"	1"	4-1/4"	1-15/16"	2-3/8"	1.6	EC-4-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Expansion Connection attaches to the meter. Together, they are installed as an expandable unit
- Meter and Expansion Connection unit can be installed or removed with one hand, without a wrench
- Enhanced security when the expansion connection is removed along with the meter
- Thimble nose piece does not rotate after contact with the rubber yoke end gasket. No "walking out."

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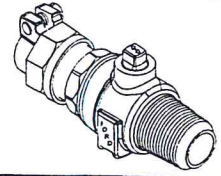
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
<http://www.fordmeterbox.com>

02/12/13

Submitted By:

SUBMITTAL INFORMATION

Ballcorp Corporation Stops - (FB1000-xx-NL style)



AWWA/CC TAPER THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

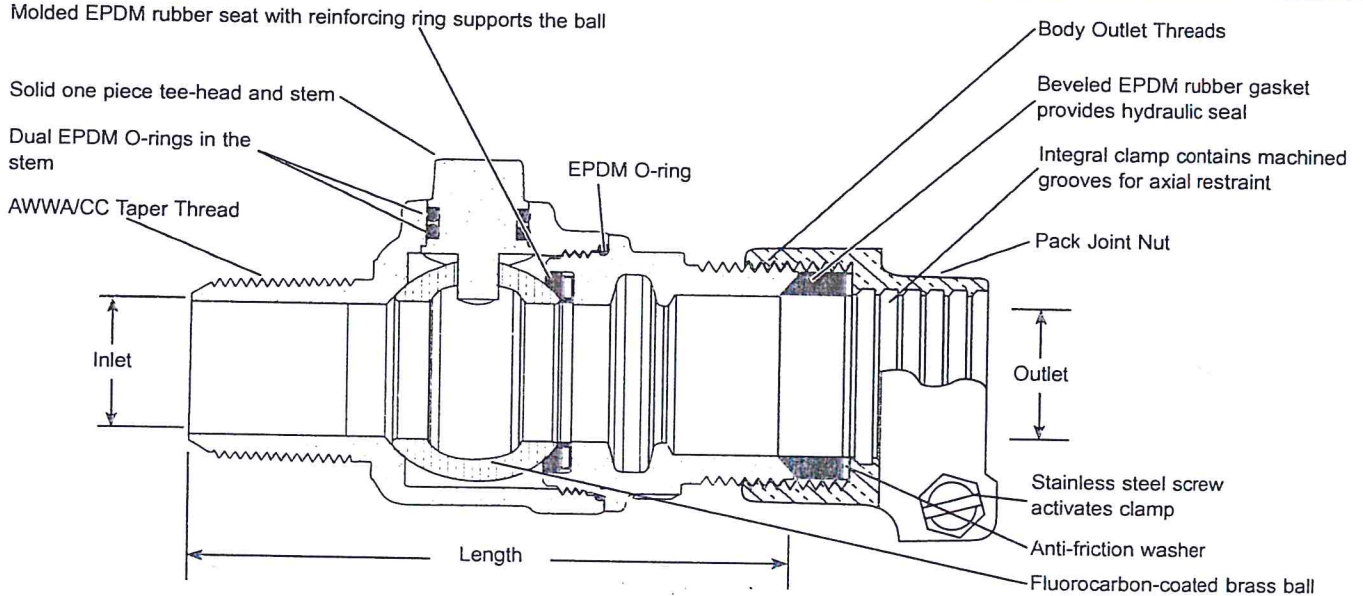


Image shown above is an FB1000-4-NL

VALVE SIZE	INLET SIZE	OUTLET SIZE	VALVE LENGTH	BODY OUTLET THREADS	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	4-19/64"	3/4" Flare Copper	2.1	FB1000-3-NL	
3/4"	3/4"	1"	4-7/16"	1" Flare Copper	2.1	FB1000-34-NL	
1"	1"	1"	4-1/2"	1" Flare Copper	2.6	FB1000-4-NL	
1"	1"	1-1/4"	4-5/16"	1-1/4" Flare Copper	2.8	FB1000-45-NL	
1-1/4"	1-1/4"	1-1/4"	5-25/32"	1-1/4" Flare Copper	4.6	FB1000-5-NL	
1-1/2"	1-1/2"	1-1/2"	6-13/32"	1-1/2" Flare Copper	6.3	FB1000-6-NL	
1-1/2"	1-1/2"	2"	6-29/64"	2" Flare Copper	7.4	FB1000-67-NL	
2"	2"	2"	7-1/2"	2" Flare Copper	11.5	FB1000-7-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- 300 PSI working pressure

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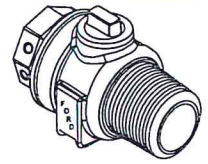
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

12/02/15

Submitted By:

SUBMITTAL INFORMATION

Ballcorp Corporation Stops - (FB1600-x-NL style)



AWWA/CC TAPER THREAD INLET BY FEMALE IRON PIPE OUTLET

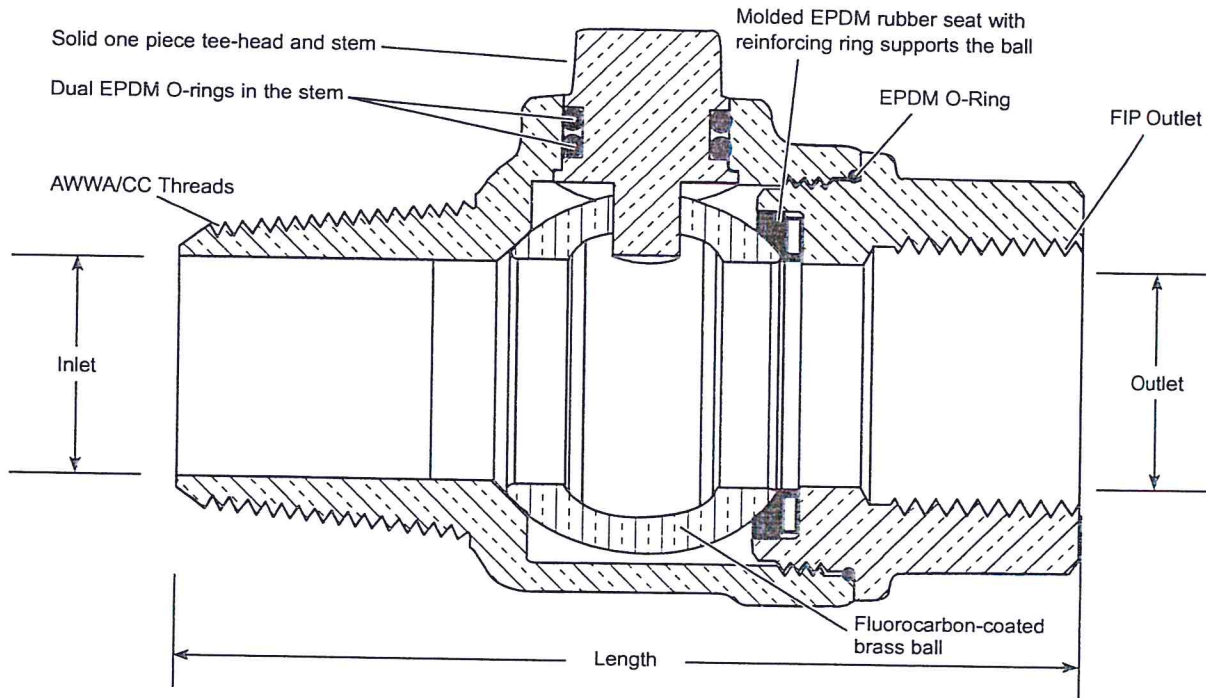


Image shown above is an FB1600-4-NL.

VALVE SIZE	INLET SIZE	OUTLET SIZE	VALVE LENGTH	BODY OUTLET THREADS	APPROX. WT. LBS.	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	3-17/32"	3/4" FIP	1.5	FB1600-3-NL	
3/4"	3/4"	1"	3-51/64"	1" FIP	1.7	FB1600-34-NL	
1"	1"	1"	3-49/64"	1" FIP	2.3	FB1600-4-NL	
1-1/2"	1-1/2"	1-1/2"	5-3/32"	1-1/2" FIP	4.3	FB1600-6-NL	
2"	2"	2"	5-7/8"	2" FIP	6.8	FB1600-7-NL	
2"	2"	2-1/2"	6-3/8"	2-1/2" FIP	7.5	FB1600-78-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- 300 PSI working pressure

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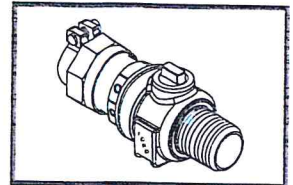
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12/09/15

Submitted By:

SUBMITTAL INFORMATION

Ballcorp Corporation Stops - (FB1100-x-NL style)



MALE IRON PIPE THREAD INLET BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) OUTLET

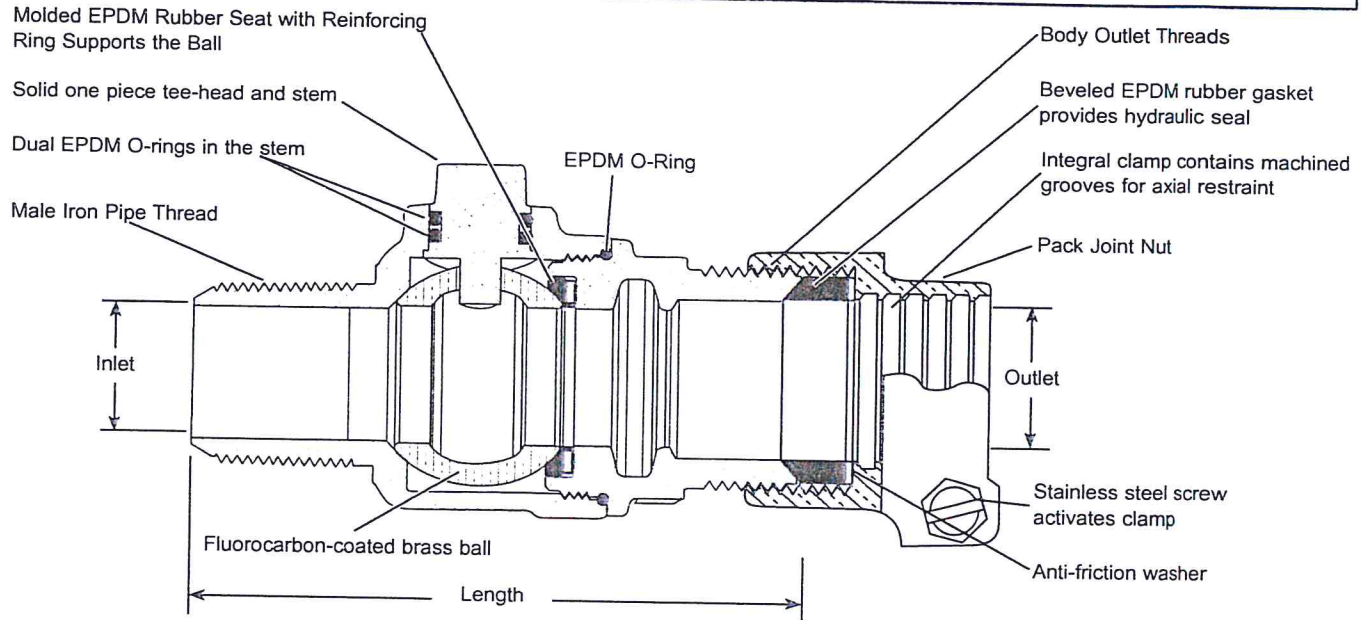


Image shown above is an FB1100-4-NL.

VALVE SIZE	INLET SIZE	OUTLET SIZE	VALVE LENGTH	BODY OUTLET THREADS	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	4-19/64"	3/4" Flare Copper	1.6	FB1100-3-NL	
3/4"	3/4"	1"	4-7/16"	1" Flare Copper	1.8	FB1100-34-NL	
1"	1"	1"	4-1/2"	1" Flare Copper	2.2	FB1100-4-NL	
1"	1"	1-1/4"	4-5/16"	1-1/4" Flare Copper	3.3	FB1100-45-NL	
1-1/4"	1-1/4"	1-1/4"	5-25/32"	1-1/4" Flare Copper	4.5	FB1100-5-NL	
1-1/2"	1-1/2"	1-1/2"	6-25/64"	1-1/2" Flare Copper	6.1	FB1100-6-NL	
1-1/2"	1-1/2"	2"	6-25/64"	2" Flare Copper	8.3	FB1100-67-NL	
2"	2"	2"	7-1/2"	2" Flare Copper	9.8	FB1100-7-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- 300 PSI working pressure

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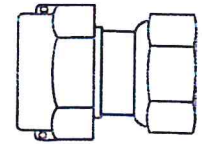
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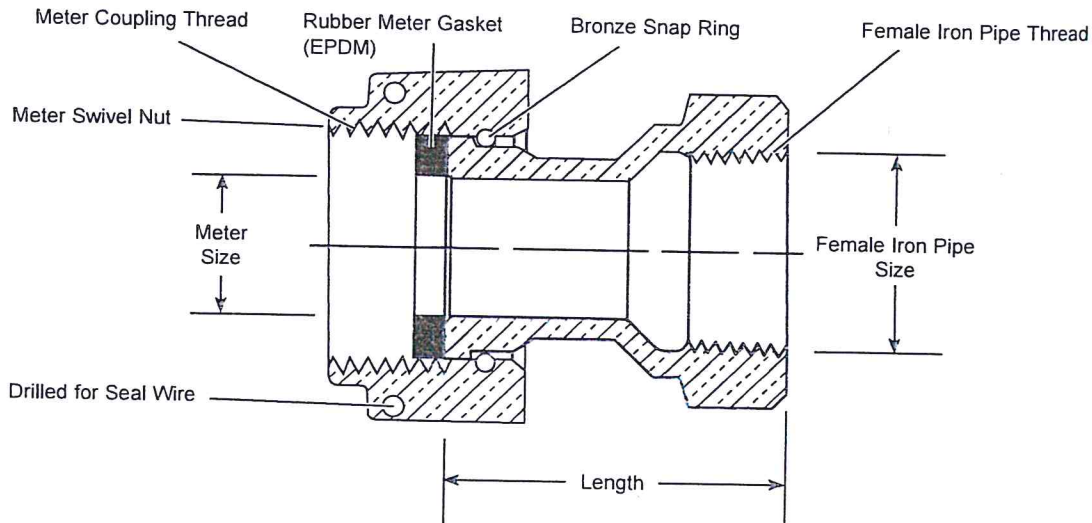
Submitted By:

SUBMITTAL INFORMATION

Straight Meter Coupling - (C31-xx-NL style)



METER SWIVEL NUT BY FEMALE IRON PIPE THREAD



METER SIZE	FIP SIZE	LENGTH	APPROX. Wt. Lbs	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	3/4"	1-15/16"	.6	▼ C31-13-NL	
5/8"x3/4" AND 3/4"	3/4"	1-25/32"	.7	▼ C31-23-NL	
5/8"x3/4" AND 3/4"	1"	1-15/16"	.8	▼ C31-24-NL	
1"	1"	2-5/16"	1.1	▼ C31-44-NL	
1"	1-1/4"	2-5/16"	1.1	C31-45-NL	

▼ Approved to ANSI/NSF Standard 61-2007a.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS C89833)
- The product has the letters "NL" cast into the body for proper identification
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B584, UNS C893600-85-5-5-5)
- Body design provides wrench flats to facilitate installation
- Conforms to AWWA C700 for Meter Threads

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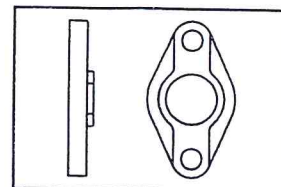
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Phone: 260-563-3171 / Fax: 800-826-3487
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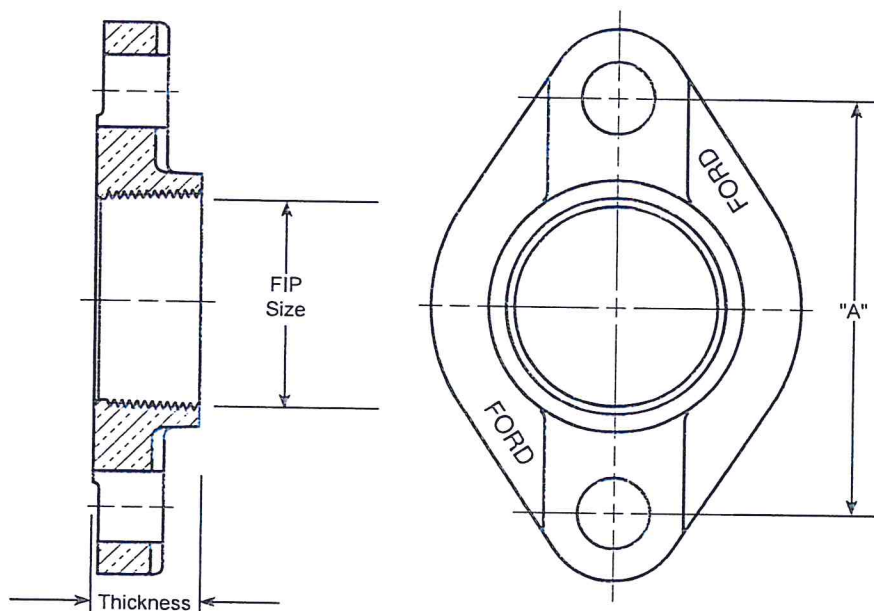
Submitted By:

SUBMITTAL INFORMATION

Meter Flange - (CF31-xx-NL style)



METER FLANGE BY FEMALE IRON PIPE THREAD



DESCRIPTION	THICKNESS	APPROX. Wt. LBS	PART NUMBER	BOLT HOLE DIAMETER	DIMENSION "A"	✓ SUBMITTED ITEM(S)
1-1/2" Meter Flange x 1-1/2" Female IP	1"	2.4	▼ CF31-66-NL	11/16"	4"	
1-1/2" Meter Flange x 2" Female IP Thread	1"	1.9	▼ CF31-67-NL	11/16"	4"	
2" Meter Flange x 2" Female IP Thread	1-1/8"	3.0	▼ CF31-77-NL	13/16"	4-1/2"	
2" Meter Flange x 2-1/2" Female IP Thread	1-1/8"	2.6	CF31-78-NL	13/16"	4-1/2"	

▼ Approved to ANSI/NSF Standard 61 2007a

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Add "-NL" to end of catalog number for item to be approved to ANSI/NSF Standard 61 and Annex G (372). "NL" items will be made from UNS/CDA No. C89833 alloy.
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Drop-in meter gaskets are included with all 1-1/2" and 2" meter flanges
- The product has the letters "NL" cast into the main body for proper identification
- Optional slotted bolt holes on 2" flanges to accomodate 1-1/2" meters. Add "-SLOTTED" to end of catalog number.

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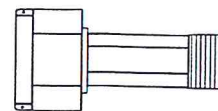
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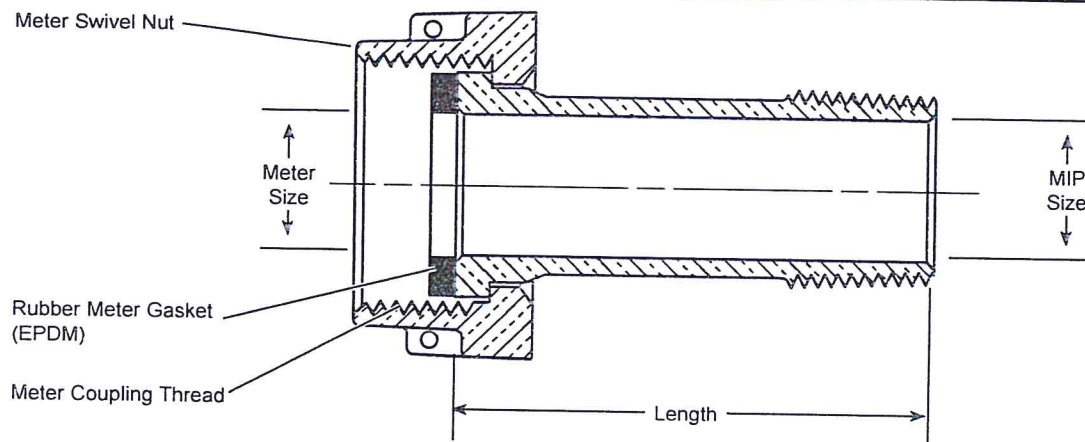
Submitted By:

SUBMITTAL INFORMATION

Straight Meter Coupling - (C38-xx-xx-NL style A)



METER SWIVEL NUT BY MALE IRON PIPE THREAD



METER SIZE	MIP SIZE	LENGTH	APPROX. Wt. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	1/2"	2"	.3	C38-11-2-NL	
5/8"	1/2"	2-3/16"	.4	C38-11-2-188-NL	
5/8"	1/2"	2-3/8"	.4	C38-11-2-375-NL	
5/8"x3/4" & 3/4"	3/4"	2"	.4	C38-23-2-NL	
5/8"x3/4" & 3/4"	3/4"	2-1/4"	.4	C38-23-2-25-NL	
5/8"x3/4" & 3/4"	3/4"	2-1/2"	.4	C38-23-2-5-NL	
5/8"x3/4" & 3/4"	3/4"	2-3/4"	.5	C38-23-2-75-NL	
5/8"x3/4" & 3/4"	3/4"	3"	.5	C38-23-3-NL	
5/8"x3/4" & 3/4"	3/4"	8-1/2"	1.0	C38-23-8-5-NL	
1"	1"	2-1/4"	.7	C38-44-2-25-NL	
1"	1"	2-5/8"	.8	C38-44-2-625-NL	
1"	1"	3-1/2"	.7	C38-44-3-5-NL	
1"	1"	8-1/2"	1.9	C38-44-8-5-NL	
1-1/4"	1"	2-3/4"	1.3	C38-54-2-75-NL	
1-1/2"	1-1/2"	2-7/8"	1.8	C38-66-2-875-NL	
2"	2"	2-1/4"	2.0	C38-77-2-25-NL	
2"	2"	3-1/16"	3.0	C38-77-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Style "A" Coupling is long body style with hex on barrel
- Slip-on Meter Swivel Nut
- Conforms to AWWA C700 for Meter Threads

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The Ford Meter Box Company, Inc.

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Phone: 260-563-3171 / Fax: 800-826-3487

Overseas Fax: 260-563-0167

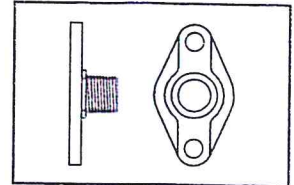
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05/11/16

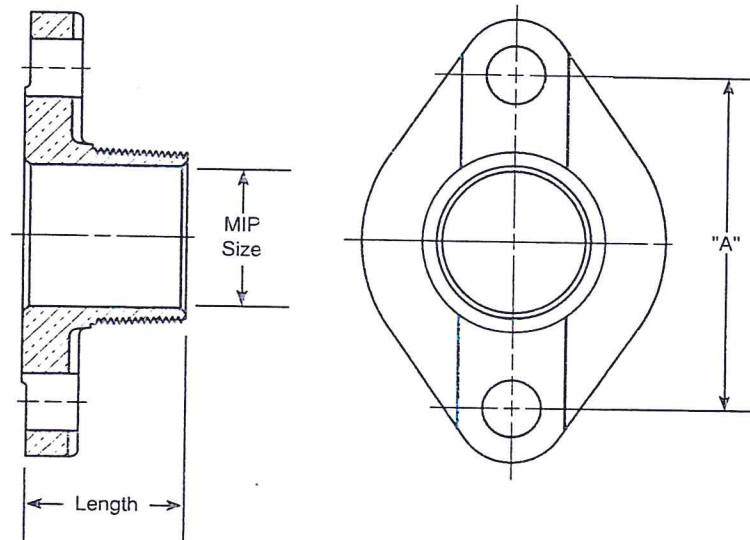
Submitted By:

SUBMITTAL INFORMATION

Meter Flange - (CF38-xx-x-NL style)



METER FLANGE BY MALE IRON PIPE THREAD



DESCRIPTION	LENGTH	APPROX. WT. LBS	PART NUMBER	BOLT HOLE DIA.	DIMENSION "A"	✓ SUBMITTED ITEM(S)
1-1/2" Meter Flange x 1-1/2" Male Iron Pipe Thread	2"	2.5	CF38-66-2-NL	23/32"	4"	
2" Meter Flange x 2" Male Iron Pipe Thread	2-1/8"	3.4	CF38-77-2-125-NL	13/16"	4-1/2"	
2" Meter Flange x 2" Male Iron Pipe Thread	1-15/16"	3.4	CF38-77-1-937-NL	13/16"	4-1/2"	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Drop-in meter gaskets are included with all 1-1/2" and 2" Meter Flanges

Optional slotted bolt holes on 2" flanges to accomodate 1-1/2" meters. Add "-SLOT" to end of catalog number

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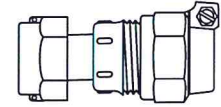
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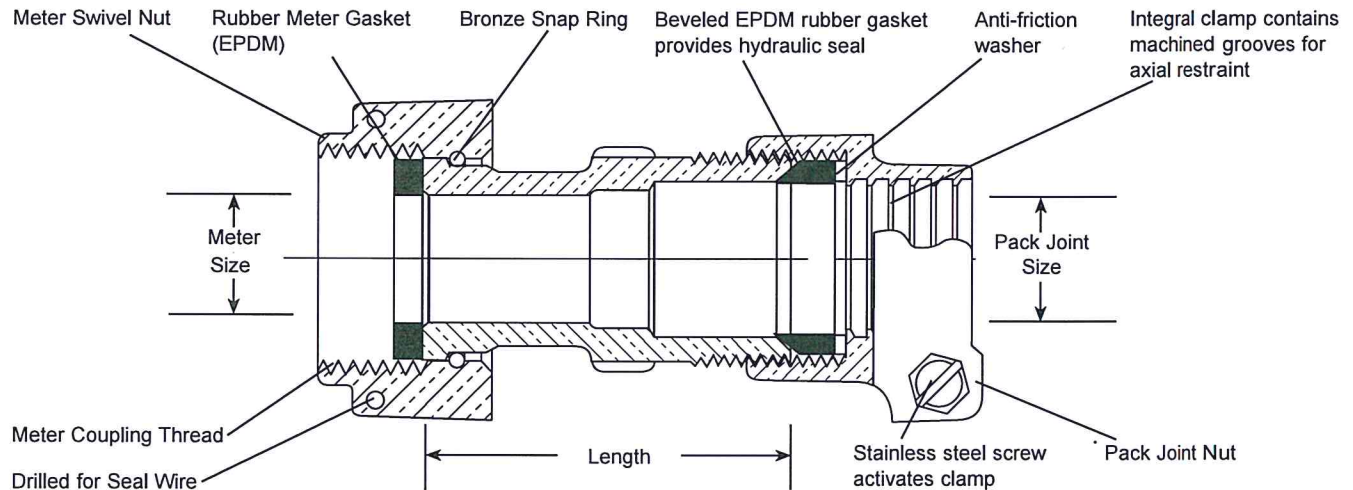
Submitted By:

SUBMITTAL INFORMATION

Straight Meter Coupling - (C34-xx-NL style)



METER SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



METER SIZE	PACK JOINT SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	1/2"	2-3/16"	0.8	C34-11-NL	
5/8"	3/4"	2-1/16"	0.8	C34-13-NL	
5/8"x3/4" AND 3/4"	1/2"	2-1/2"	0.9	C34-21-NL	
5/8"x3/4" AND 3/4"	5/8"	2-3/16"	0.9	C34-22-NL	
5/8"x3/4" AND 3/4"	3/4"	2-3/16"	0.8	C34-23-NL	
5/8"x3/4" AND 3/4"	1"	2"	0.8	C34-24-NL	
1"	1"	2-1/2"	1.2	C34-44-NL	
1"	1-1/4"	2-3/4"	1.7	C34-45-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Body design provides wrench lugs to facilitate installation
- Conforms to AWWA C700 for meter threads

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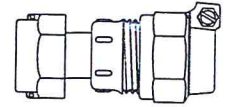
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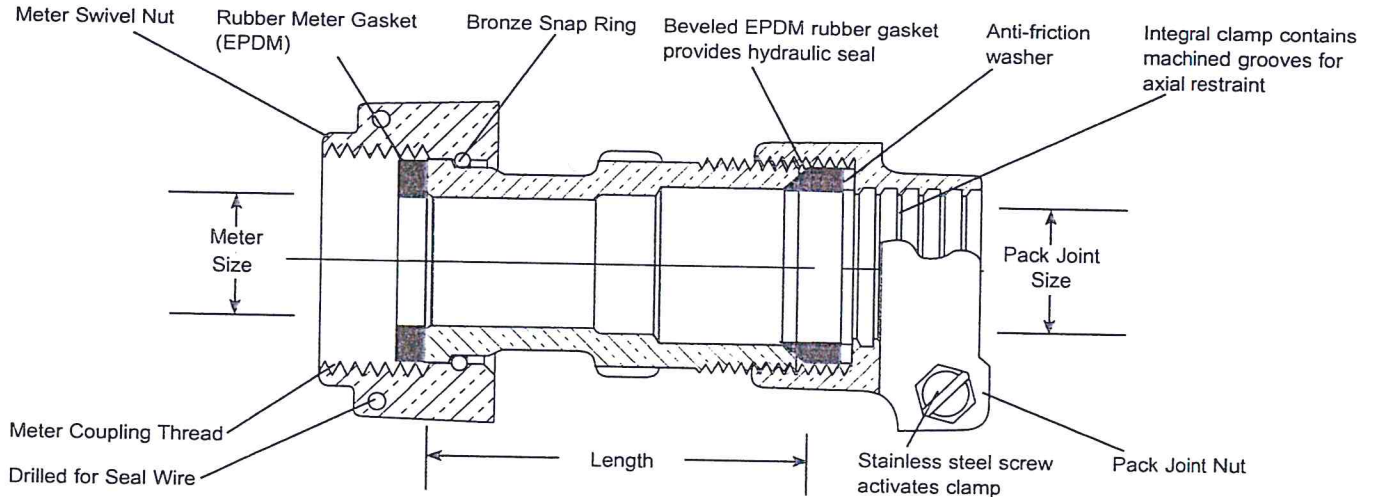
Submitted By:

SUBMITTAL INFORMATION

Straight Meter Coupling - (C34-xx-NL style)



METER SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



METER SIZE	PACK JOINT SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	1/2"	2-3/16"	.8	C34-11-NL	
5/8"	3/4"	2-1/16"	.8	C34-13-NL	
5/8"x3/4" AND 3/4"	1/2"	2-1/2"	.9	C34-21-NL	
5/8"x3/4" AND 3/4"	3/4"	2-3/16"	.8	C34-23-NL	
5/8"x3/4" AND 3/4"	1"	2"	.8	C34-24-NL	
1"	1"	2-1/2"	1.2	C34-44-NL	
1"	1-1/4"	2-3/4"	1.7	C34-45-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Body design provides wrench lugs to facilitate installation
- Conforms to AWWA C700 for Meter Threads

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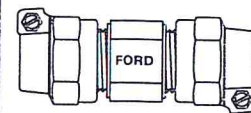
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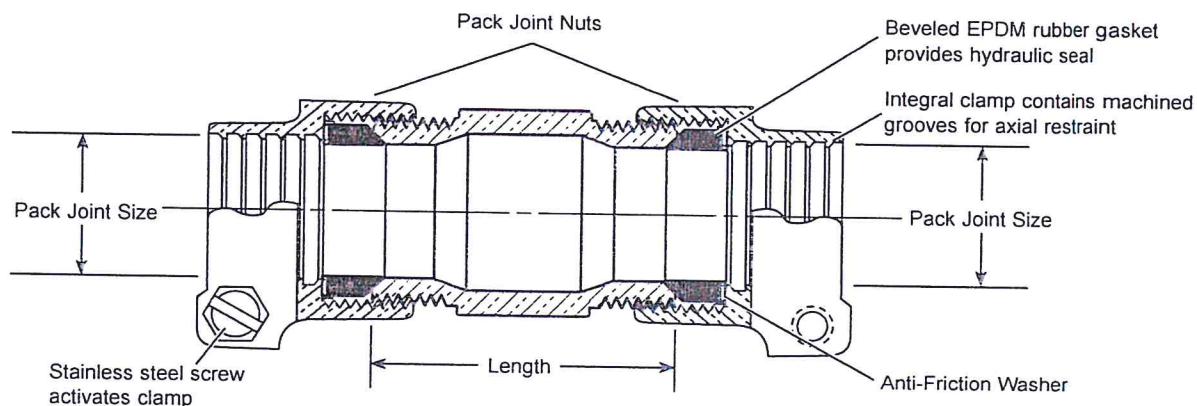
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Coupling - (C44-xx-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
P.J. FOR CTS	P.J. FOR CTS				
1/2"	1/2"	1-7/8"	.7	C44-11-NL	
1/2"	5/8"	2"	.7	C44-12-NL	
1/2"	3/4"	2"	.8	C44-13-NL	
1/2"	1"	2-5/16"	.9	C44-14-NL	
5/8"	5/8"	2-3/32"	1.0	C44-22-NL	
5/8"	3/4"	2-3/32"	1.0	C44-23-NL	
3/4"	3/4"	2-3/32"	.9	C44-33-NL	
3/4"	1"	2-1/8"	1.0	C44-34-NL	
1"	1"	2-1/4"	1.1	C44-44-NL	
1"	1-1/4"	1-15/16"	1.5	C44-45-NL	
1"	1-1/2"	2-5/8"	2.1	C44-46-NL	
1-1/4"	1-1/4"	2-1/2"	1.5	C44-55-NL	
1-1/4"	1-1/2"	3-1/4"	2.8	C44-56-NL	
1-1/2"	1-1/2"	3-3/8"	3.0	C44-66-NL	
1-1/2"	2"	2-15/32"	3.5	C44-67-NL	
2"	2"	3-1/2"	4.5	C44-77-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Sleeve design provides hexagonal wrench flats for proper installation

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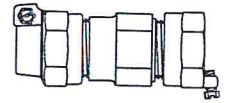
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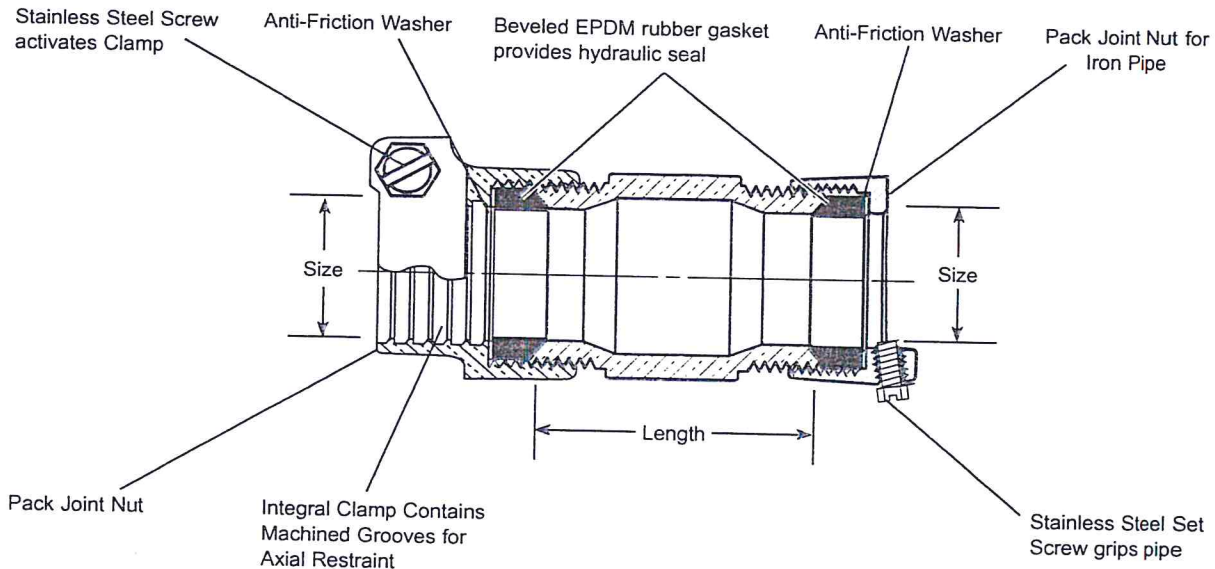
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Coupling - (C45-xx-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BY PACK JOINT FOR IRON PIPE



DESCRIPTION		LENGTH	APPROX WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
P.J. FOR CTS	P.J. FOR IP				
1/2"	1/2"	2"	.7	C45-11-NL	
1/2"	3/4"	2-5/16"	.8	C45-13-NL	
3/4"	1/2"	2-1/16"	.9	C45-31-NL	
3/4"	3/4"	2-1/8"	.9	C45-33-NL	
3/4"	1"	2-1/2"	1.3	C45-34-NL	
1"	3/4"	2-1/4"	1.0	C45-43-NL	
1"	1"	1-15/16"	1.2	C45-44-NL	
1"	1-1/4"	2-9/16"	1.6	C45-45-NL	
1-1/2"	1-1/2"	2-1/2"	2.9	C45-66-NL	
2"	2"	3"	4.2	C45-77-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Sleeve design provides larger, more rugged wrench flats for proper installation.
- UL Classified to ANSI/NSF Standard 61 and Annex G
- The product has the letters "NL" cast into the main body for proper identification

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06/18/12

Submitted By:

SUBMITTAL INFORMATION

Ball Valve Curb Stop - (B11-xxx-NL style)



FEMALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

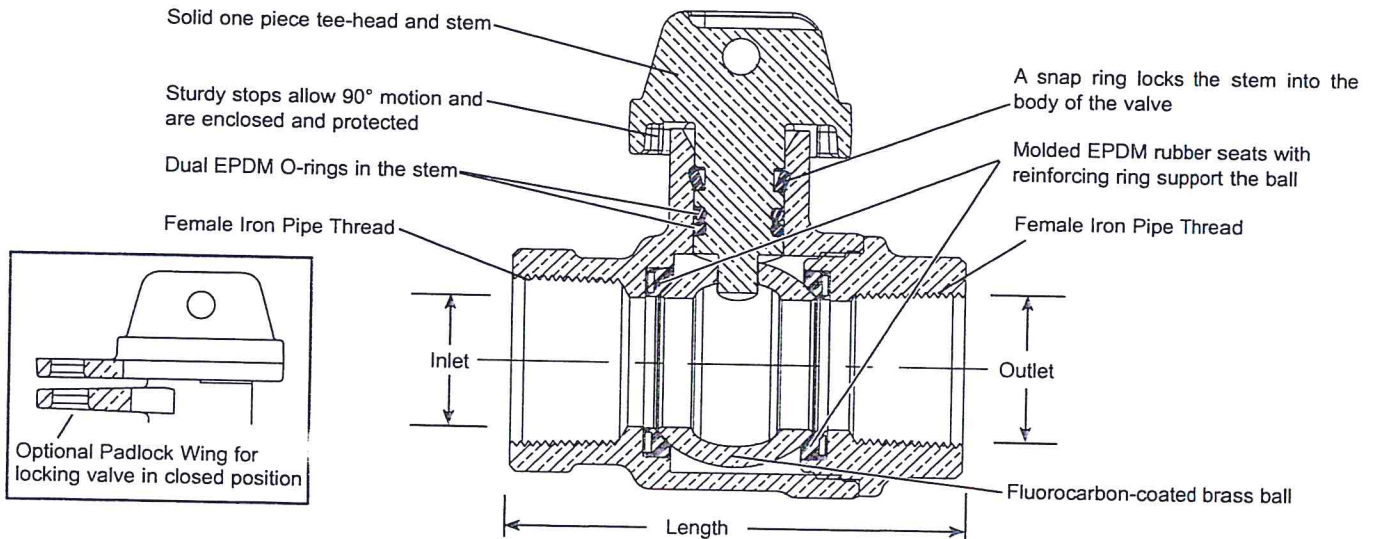


Image shown above is a B11-444-NL

VALVE SIZE	INLET SIZE	OUTLET SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	3-1/64"	1.5	B11-333-NL	
3/4"	3/4"	3/4"	3-21/64"	1.7	B11-333W-3-33-NL	
3/4"	1"	3/4"	3-17/64"	1.6	B11-343-NL	
3/4"	1"	1"	3-25/64"	1.6	B11-344-NL	
1"	1"	1"	3-7/16"	2.0	B11-444-NL	
1-1/4"	1-1/4"	1-1/4"	4-1/32"	4.2	B11-555-NL	
1-1/2"	1-1/2"	1-1/2"	4-15/32"	4.8	B11-666-NL	
1-1/2"	2"	1-1/2"	4-23/32"	5.0	B11-676-NL	
2"	2"	2"	5-1/4"	7.2	B11-777-NL	
2"	2-1/2"	2-1/2"	6-1/4"	11.1	B11-788-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Valve is non-directional and is watertight with flow in either direction
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Hole for attaching curb box rod or handle is provided in tee-head
- 300 PSI working pressure

Optional Padlock Wing for locking valve in closed position. Add "W" to part number

Optional full 360° tee-head rotation. Add "R" to part number

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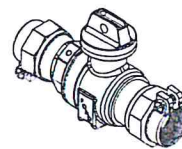
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www.fordmeterbox.com

08/28/15

Submitted By:

SUBMITTAL INFORMATION

Ball Valve Curb Stop - (B44-xxx-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET AND OUTLET

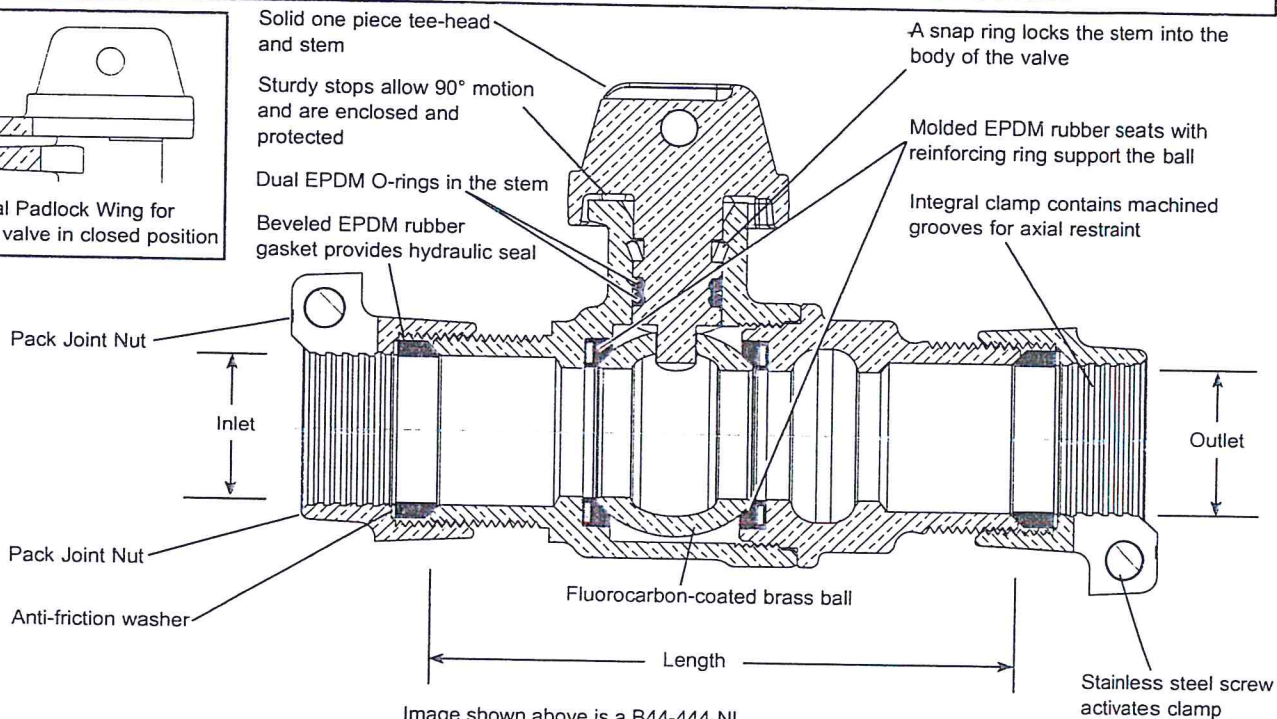
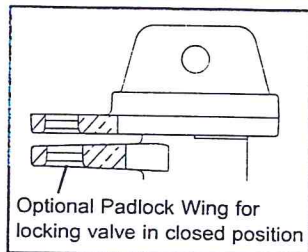


Image shown above is a B44-444-NL

VALVE SIZE	INLET SIZE	OUTLET SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	3-43/64"	2.1	B44-333-NL	
1"	1"	1"	4-13/64"	2.8	B44-444-NL	
1-1/4"	1-1/4"	1-1/4"	6-21/64"	6.0	B44-555-NL	
1-1/2"	1-1/2"	1-1/2"	5-45/64"	7.3	B44-666-NL	
2"	2"	2"	6-47/64"	11.5	B44-777-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Valve is non-directional and is watertight with flow in either direction
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Hole for attaching curb box rod or handle is provided in tee-head
- 300 PSI working pressure

Optional Padlock Wing for locking valve in closed position. Insert "W" into part number

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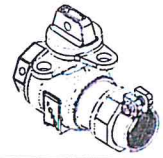
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09/19/14

Submitted By:

SUBMITTAL INFORMATION

Ball Valve Curb Stop - (B41-xxxW-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY FEMALE IRON PIPE THREAD OUTLET

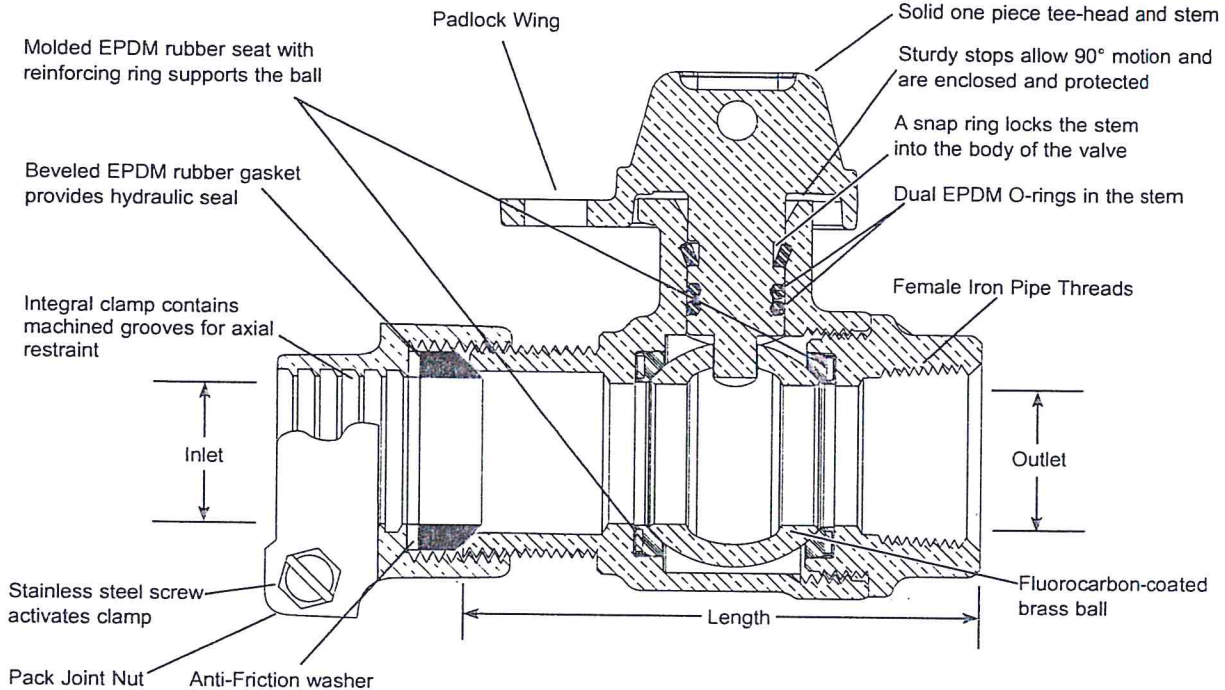


Image shown above is a B41-444W-NL

VALVE SIZE	INLET SIZE	OUTLET SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	3-1/8"	1.9	B41-333W-NL	
3/4"	1"	3/4"	3-5/32"	1.9	B41-343W-NL	
3/4"	1"	1"	3-7/8"	2.2	B41-344W-NL	
1"	1"	1"	3-19/32"	2.4	B41-444W-NL	
1-1/4"	1-1/4"	1-1/4"	5-3/16"	5.2	B41-555W-NL	
1-1/2"	1-1/2"	1-1/2"	5-1/16"	6.2	B41-666W-NL	
2"	2"	2"	6-1/64"	9.2	B41-777W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Valve is non-directional and is watertight with flow in either direction
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Hole for attaching curb box rod or handle is provided in tee-head
- 300 PSI working pressure

Optional full 360° tee-head rotation. Insert "R" into of part number

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The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

11/06/15

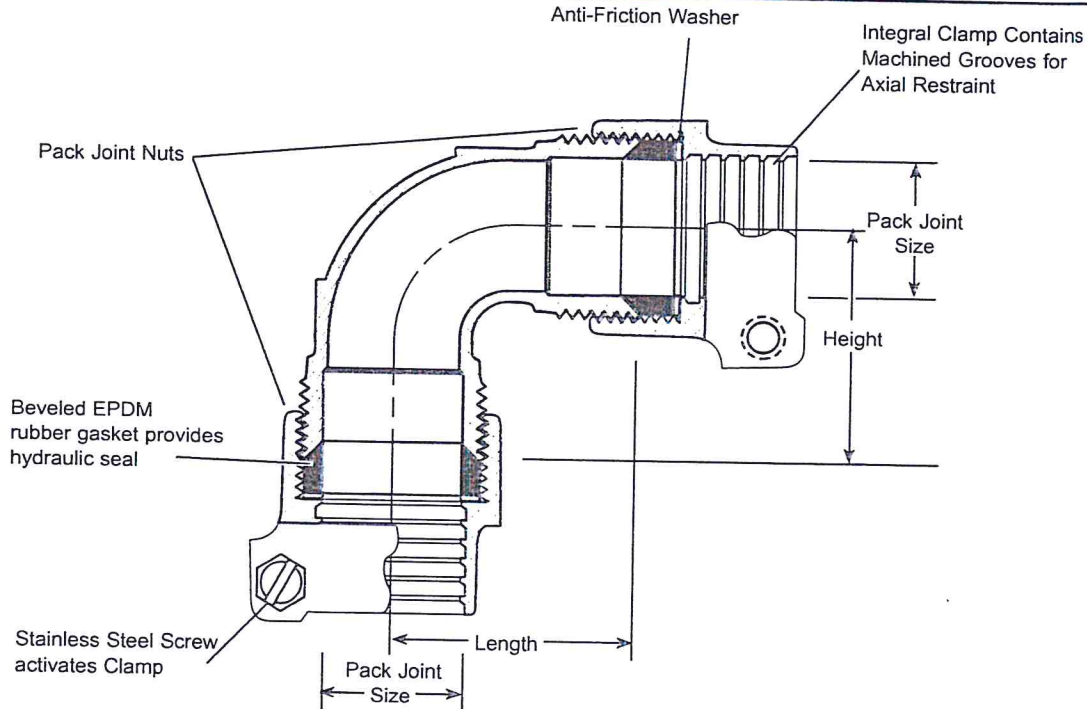
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Ell Coupling - (L44-xx-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



DESCRIPTION		LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
P.J. FOR CTS	P.J. FOR CTS					
3/4"	3/4"	1-5/8"	1-5/8"	1.0	L44-33-NL	
3/4"	1"	1-3/4"	1-3/4"	1.1	L44-34-NL	
1"	1"	2"	2"	1.3	L44-44-NL	
1-1/4"	1-1/4"	2"	2"	2.3	L44-55-NL	
1-1/2"	1-1/2"	2-7/16"	2-7/16"	3.6	L44-66-NL	
2"	2"	3-11/16"	3-11/16"	9.3	L44-77-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61

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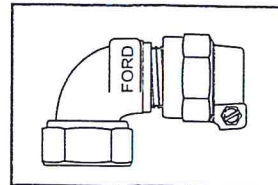
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Overseas Fax: 260-563-0167
<http://www.fordmeterbox.com>

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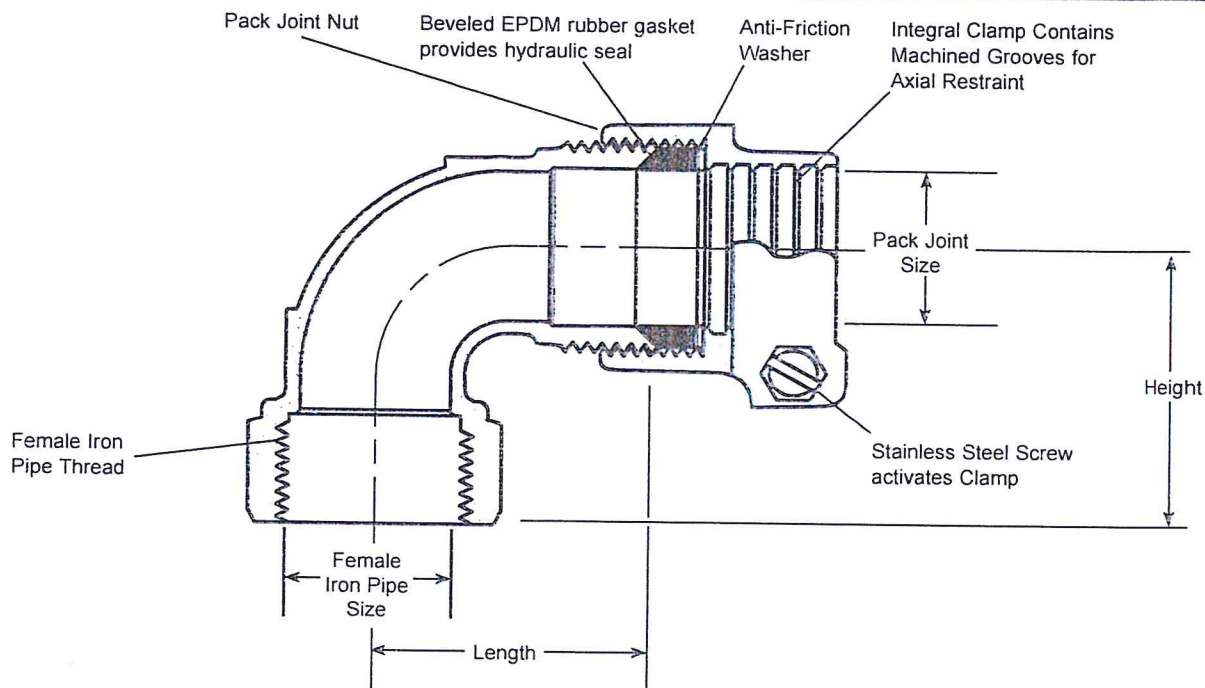
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Ell Coupling - (L14-xx-NL style)



FEMALE IRON PIPE THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
FEMALE IRON PIPE	P.J. FOR CTS					
3/4"	3/4"	1-1/2"	1-13/16"	1.0	L14-33-NL	
1"	3/4"	1-3/4"	1-7/8"	.9	L14-43-NL	
1"	1"	2-5/16"	1-7/8"	1.4	L14-44-NL	
1-1/4"	1"	2-5/16"	1-7/8"	1.2	L14-54-NL	
1-1/2"	1-1/2"	2-3/4"	2-7/8"	3.3	L14-66-NL	
2"	2"	3-1/4"	3-7/16"	6.7	L14-77-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Annex G

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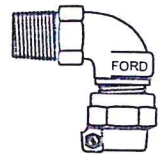
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<http://www.fordmeterbox.com>

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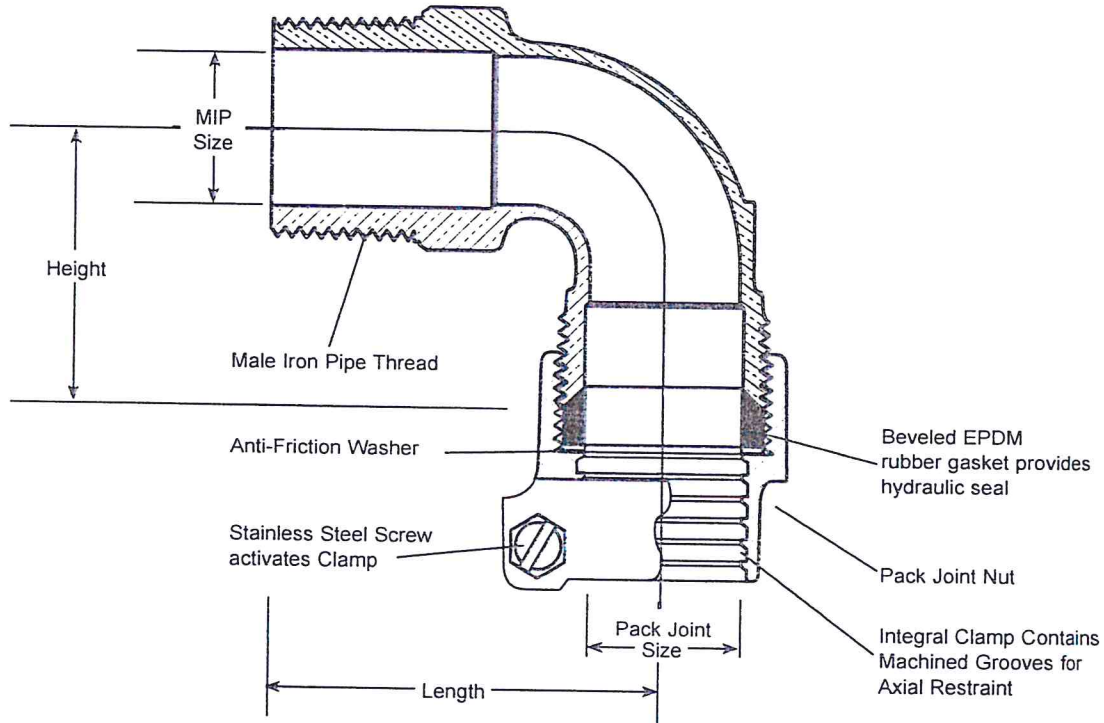
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Ell Coupling - (L84-xx-NL style)



MALE IRON PIPE THREAD BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
MALE IRON PIPE	P.J. FOR CTS					
3/4"	3/4"	2"	1-11/16"	.8	L84-33-NL	
3/4"	1"	2"	1-5/8"	.8	L84-34-NL	
1"	1"	2-1/2"	1-7/8"	1.1	L84-44-NL	
1-1/2"	1-1/2"	2-1/2"	2-1/2"	2.5	L84-66-NL	
2"	2"	2-7/8"	3-1/8"	3.8	L84-77-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- UL Classified to ANSI/NSF Standard 61 and Annex G
- The product has the letters "NL" cast into the main body for proper identification

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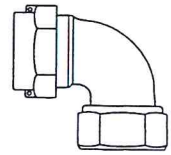
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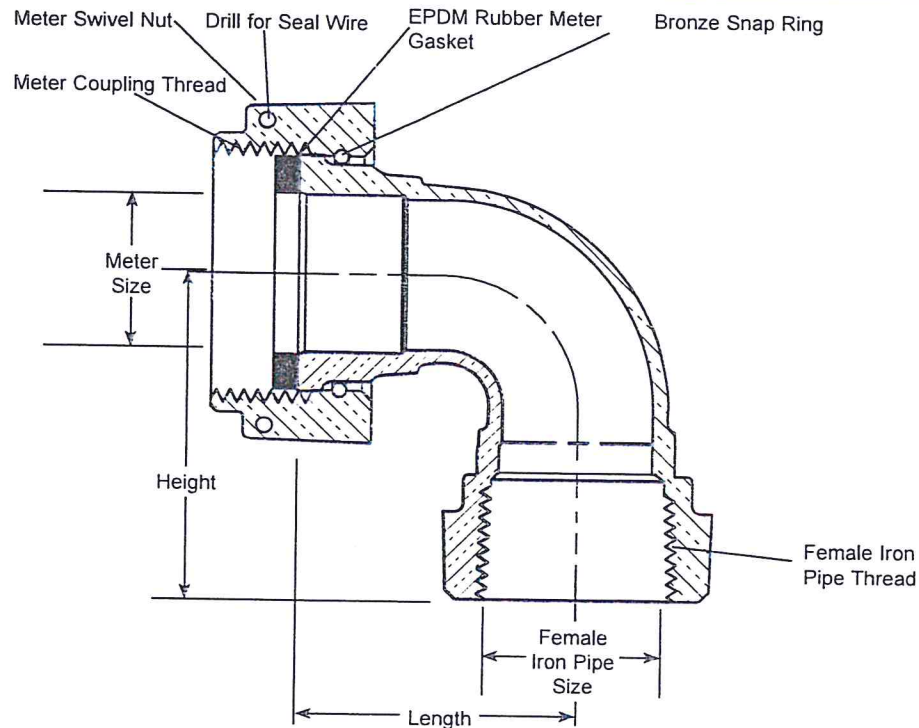
Submitted By:

SUBMITTAL INFORMATION

Angle Meter Coupling - (L31-xx-NL style)



METER SWIVEL NUT BY FEMALE IRON PIPE THREAD



DESCRIPTION		LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
METER SIZE	FIP SIZE					
5/8"	3/4"	1-9/16"	1-11/16"	.8	L31-13-NL	
5/8"x3/4" & 3/4"	3/4"	1-9/16"	1-5/8"	.9	L31-23-NL	
5/8"x3/4" & 3/4"	3/4"	1-9/16"	1-5/8"	1.0	*L31-23D-NL	
5/8"x3/4" & 3/4"	1"	1-9/16"	2"	1.0	L31-24-NL	
1"	1"	1-15/16"	1-7/8"	1.2	L31-44-NL	

* D = Test / Drain Valve on side of body

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS C89833)
- The product has the letters "NL" cast into the body for proper identification
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B584, UNS C893600-85-5-5-5)
- Conforms to AWWA C700 for Meter Threads
- Body design provides wrench flats to facilitate installation

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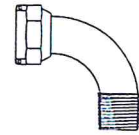
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Overseas Fax: 260-563-0167
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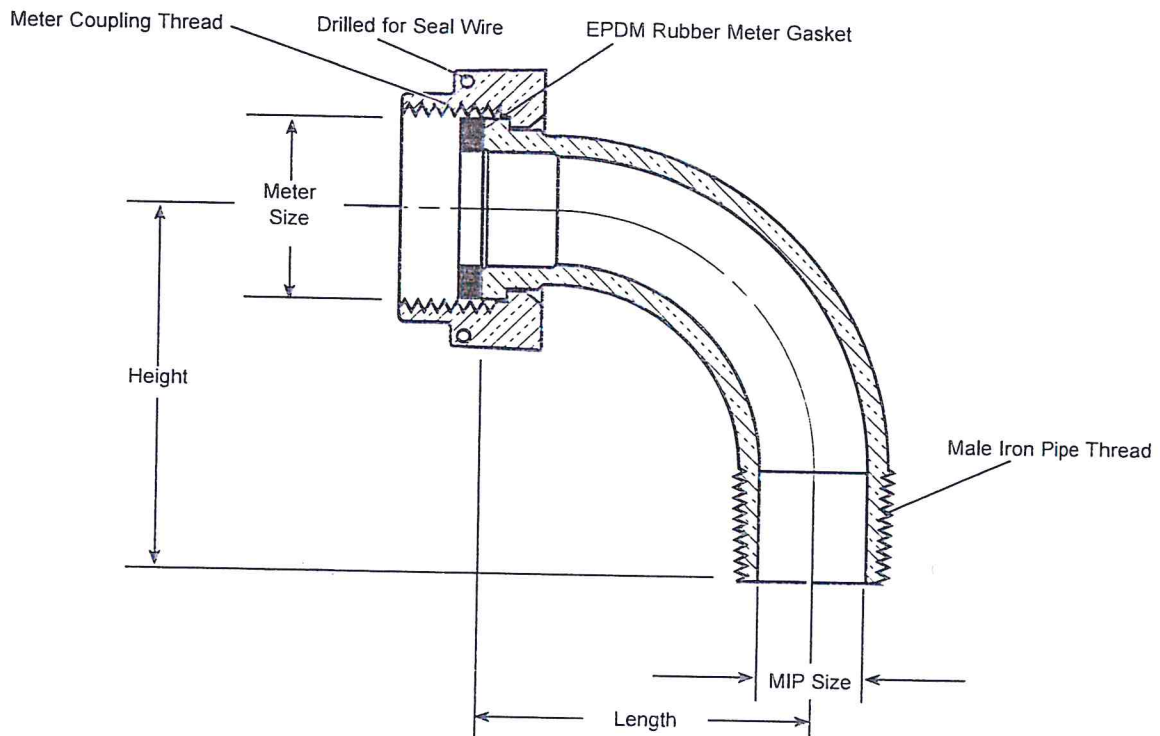
Submitted By:

SUBMITTAL INFORMATION

Angle Meter Coupling - (L38-xx-NL style)



METER SWIVEL NUT BY MALE IRON PIPE THREAD



DESCRIPTION		HEIGHT	LENGTH	APPROX. Wt. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
METER SIZE	MIP SIZE					
5/8"	1/2"	1-1/2"	2-3/8"	.5	L38-11-NL	
5/8"x3/4" & 3/4"	3/4"	2-1/4"	2-1/2"	.8	L38-23-NL	
5/8"x3/4" & 3/4"	1"	1-9/16"	1-13/16"	.7	L38-24-NL	
1"	1"	2"	2-9/16"	1.1	L38-44-NL	
1-1/2"	1-1/2"	3"	3-1/2"	3.0	L38-66-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS C89833)
- The product has the letters "NL" cast into the body for proper identification
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B584, UNS C893600-85-5-5-5)
- UL Classified to ANSI/NSF Standard 61 and Annex G
- Conforms to AWWA C700 for Meter Threads

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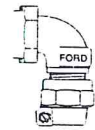
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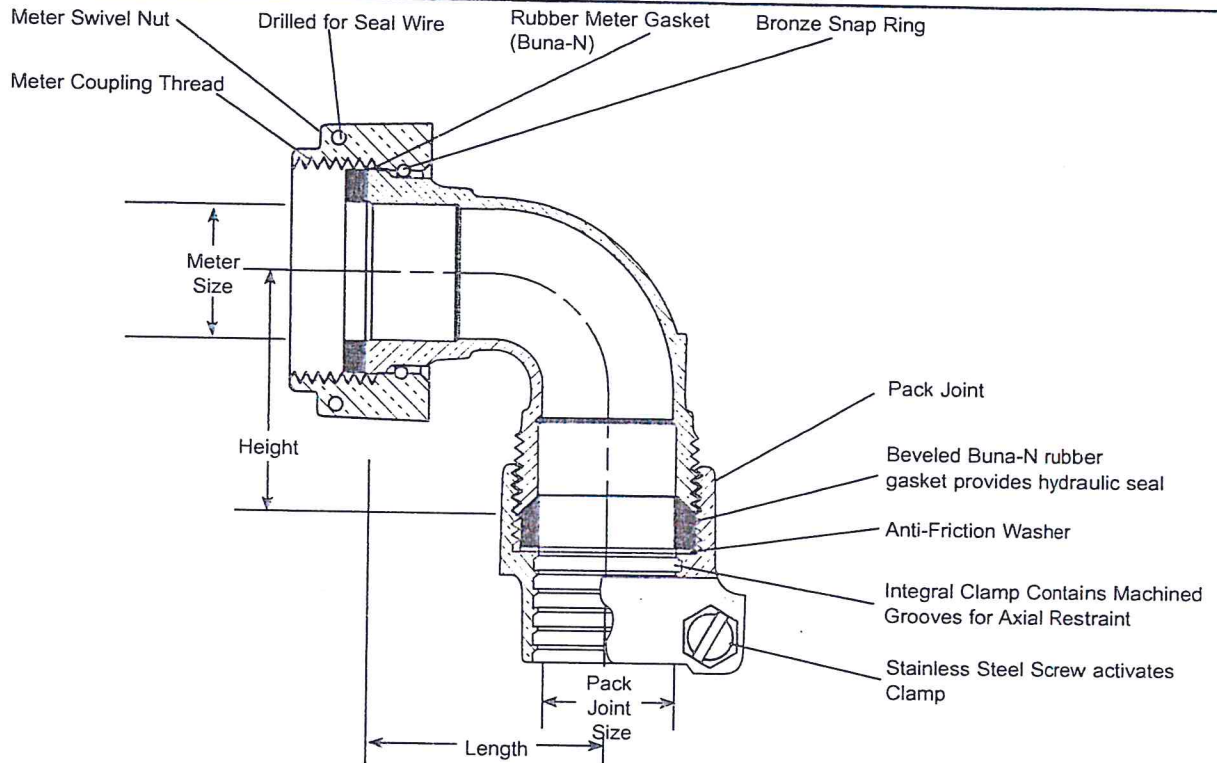
Submitted By:

SUBMITTAL INFORMATION

Angle Meter Coupling - (L34-xx-NL style)



METER SWIVEL NUT BY PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS)



DESCRIPTION		LENGTH	HEIGHT	APPROX. WT. LBS.	PART NUMBER	✓ SUBMITTED ITEMS
METER SIZE	P.J. FOR CTS					
5/8"	3/4"	1-3/8"	1-9/16"	.8	L34-13-NL	
5/8"x3/4" & 3/4"	3/4"	1-9/16"	1-15/16"	1.1	L34-23-NL	
1"	1"	1-15/16"	1-15/16"	1.2	L34-44-NL	
1"	1-1/4"	2"	2-1/16"	.9	L34-45-NL	

Ford recommends insert stiffeners when using plastic pipe or tubing

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Conforms to AWWA C700 for Meter Threads.
- Body Design provides wrench flats to facilitate installation.

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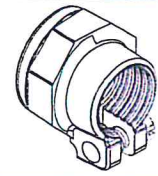
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Overseas Fax: 260-563-0167
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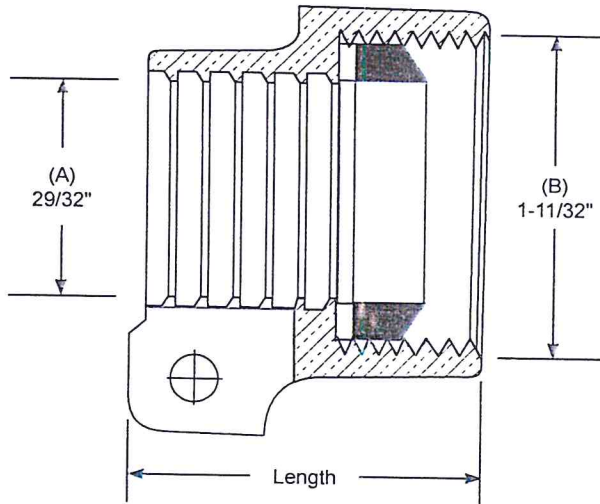
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Compression Nut - (NG-D4 style)



3/4" CTS PACK JOINT NUT ASSEMBLY



Pack Joint Nut
Assembly for CTS

Anti-Friction
Ring

Rubber
Gasket

Nut

Clamp
Screw

CONNECTION SIZE	LENGTH	DIMENSIONS A	DIMENSIONS B	APPROXIMATE WT. LBS.	PRODUCT NUMBER	✓ SUBMITTED ITEM(S)
3/4"	1-5/16"	29/32"	1-11/32"	0.3	NG-D4	

FEATURES

- All brass conforms to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Design provides wrench flats to facilitate installation
- EPDM rubber gasket, per ASTM, D2000, ANSI/NSF Standard 61 approved
- Anti-friction ring assists proper gasket compression

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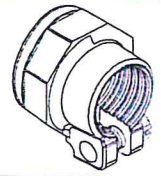
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<http://www.fordmeterbox.com>

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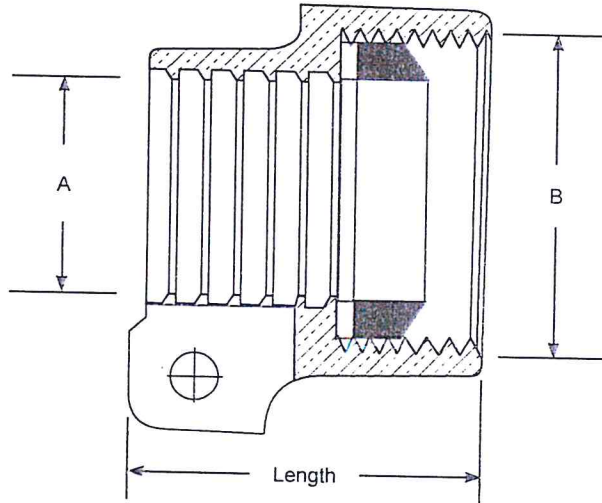
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Compression Nut - (NG-F4 style)



1" CTS PACK JOINT NUT ASSEMBLY



Pack Joint Nut
Assembly for CTS

Anti-Friction
Ring

Rubber
Gasket



Clamp
Screw

CONNECTION SIZE	LENGTH	DIMENSIONS A	DIMENSIONS B	APPROXIMATE WT. LBS.	PRODUCT NUMBER	✓ SUBMITTED ITEM(S)
1"	1-5/16"	1-5/32"	1-9/16"	0.4	NG-F4	

FEATURES

- All brass conforms to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Design provides wrench flats to facilitate installation
- EPDM rubber gasket, per ASTM, D2000, ANSI/NSF Standard 61 approved
- Anti-friction ring assists proper gasket compression

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P.O. Box 443, Wabash, Indiana U.S.A. 45992-0443

Phone: 260-563-3171 / Fax: 800-826-3487

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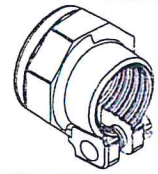
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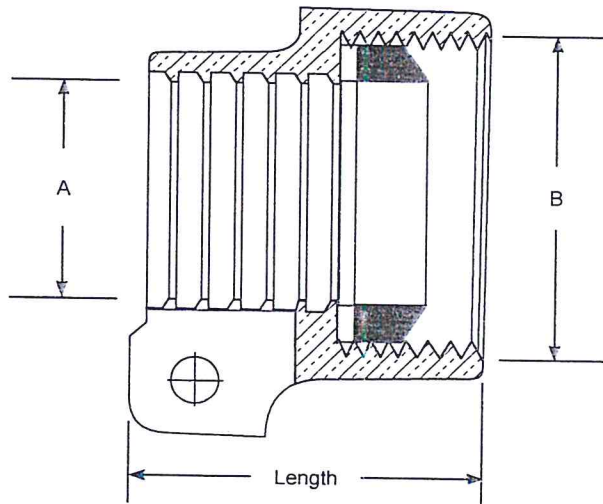
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Compression Nut - (NG-K4 style)



2" CTS PACK JOINT NUT ASSEMBLY



CONNECTION SIZE	LENGTH	DIMENSIONS A	DIMENSIONS B	APPROXIMATE Wt. LBS.	PRODUCT NUMBER	✓ SUBMITTED ITEM(S)
2"	2-5/16"	2-11/64"	2-23/32"	1.0	NG-K4	

FEATURES

- All brass conforms to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS NO C83600 - 85-5-5-5)
- Design provides wrench flats to facilitate installation
- EPDM rubber gasket, per ASTM D2000, ANSI/NSF Standard 61 approved
- Anti-friction ring assists proper gasket compression

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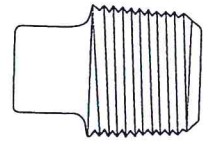
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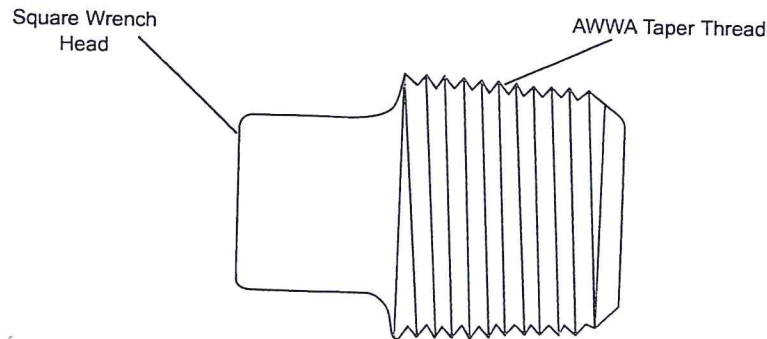
Submitted By:

SUBMITTAL INFORMATION

Brass Corp Stop Plugs - (CSP-x-A-NL style)



AWWA TAPER THREAD BY SQUARE WRENCH HEAD



THREAD SIZE	APPLICATION	APPROX. Wt. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
1/2"	Square Wrench Head	0.15	CSP-1-A-NL	
5/8"	Square Wrench Head	0.21	CSP-2-A-NL	
3/4"	Square Wrench Head	0.26	CSP-3-A-NL	
1"	Square Wrench Head	0.37	CSP-4-A-NL	
1-1/2"	Square Wrench Head	0.40	CSP-6-A-NL	
2"	Square Wrench Head	0.90	CSP-7-A-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)

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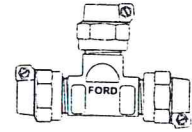
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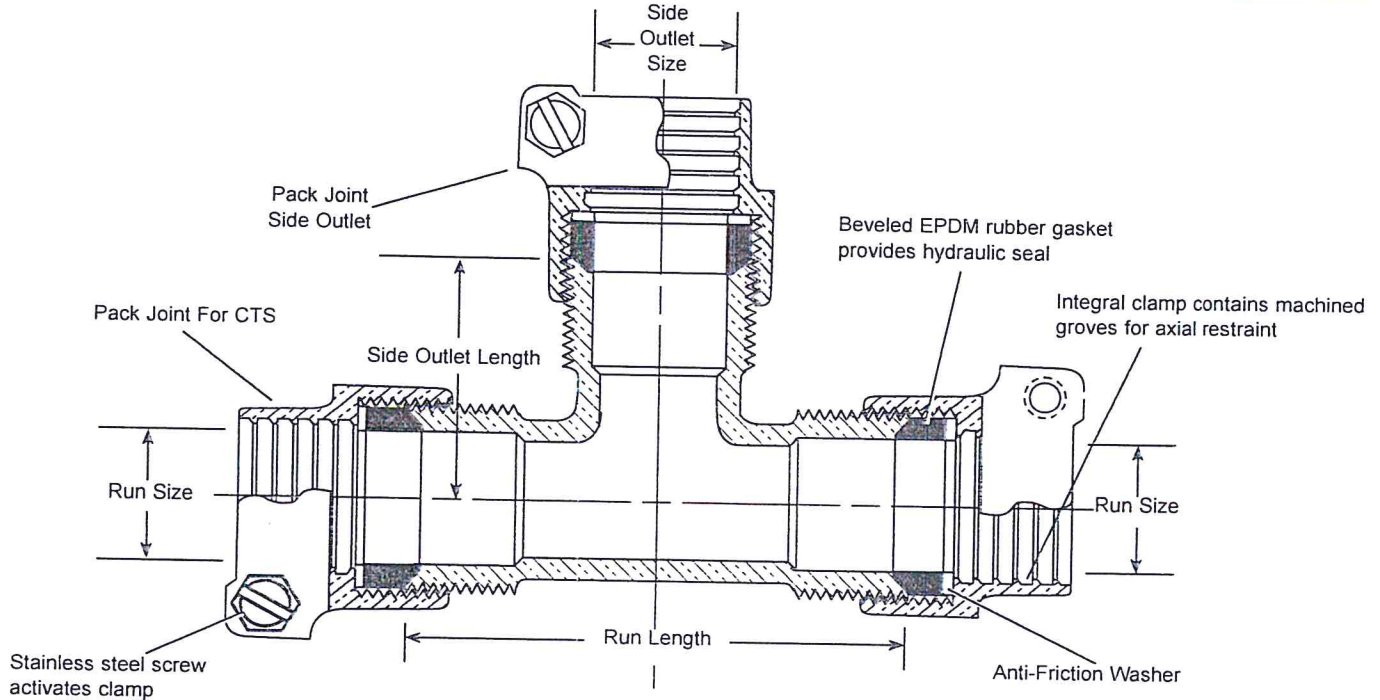
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Tee - (T444-xxx-NL style)



PACK JOINT FOR CTS TO PACK JOINT FOR CTS BY PACK JOINT FOR CTS



BOTH ENDS (RUN SIZE)	SIDE OUTLET SIZE	RUN LENGTH	SIDE OUTLET LENGTH	APPROX Wt. LBS.	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3-5/16"	1-5/8"	1.4	T444-333-NL	
3/4"	1"	3-5/8"	1-15/16"	1.6	T444-334-NL	
1"	3/4"	3-1/2"	1-3/4"	1.6	T444-443-NL	
1"	1"	3-3/4"	1-15/16"	1.9	T444-444-NL	
1"	1-1/4"	3-3/4"	1-13/16"	2.3	T444-445-NL	
1"	1-1/2"	3-27/32"	2-3/32"	3.0	T444-446-NL	
1-1/2"	1-1/2"	4-3/4"	2-3/8"	4.6	T444-666-NL	
2"	1"	5-1/8"	2-7/16"	6.1	T444-774-NL	
2"	2"	7-3/8"	3-11/16"	13.4	T444-777-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)

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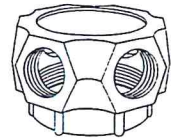
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

04/26/16

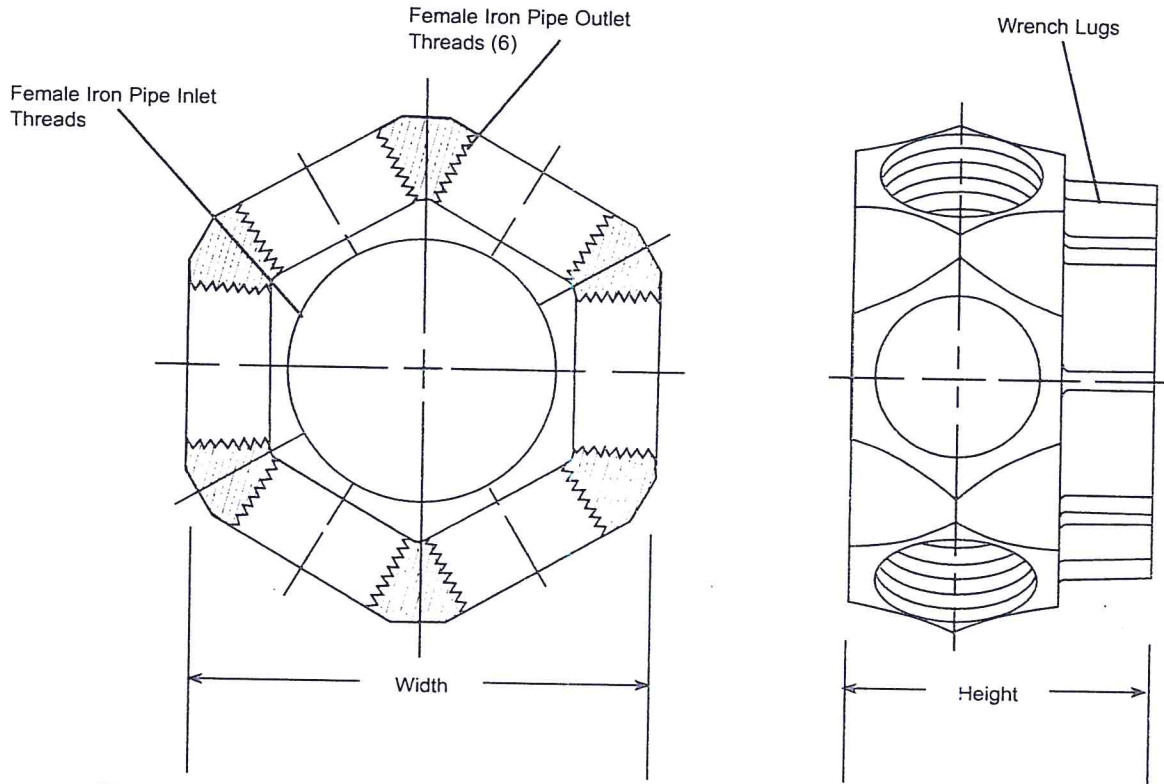
Submitted By:

SUBMITTAL INFORMATION

Multi-Service Tee - (T11-6xx-NL style)



SINGLE FEMALE IRON PIPE THREAD INLET BY SIX FEMALE IRON PIPE THREAD OUTLETS



INLET THREAD SIZE	OUTLET THREAD SIZE	WIDTH	HEIGHT	APPROX WT. LBS.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
1-1/2"	Six 3/4"	3-1/16"	2"	1.8	T11-663-NL	
2"	Six 1"	3-3/4"	2-5/8"	3.0	T11-674-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Body design provides wrench lugs for proper installation

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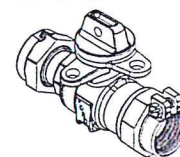
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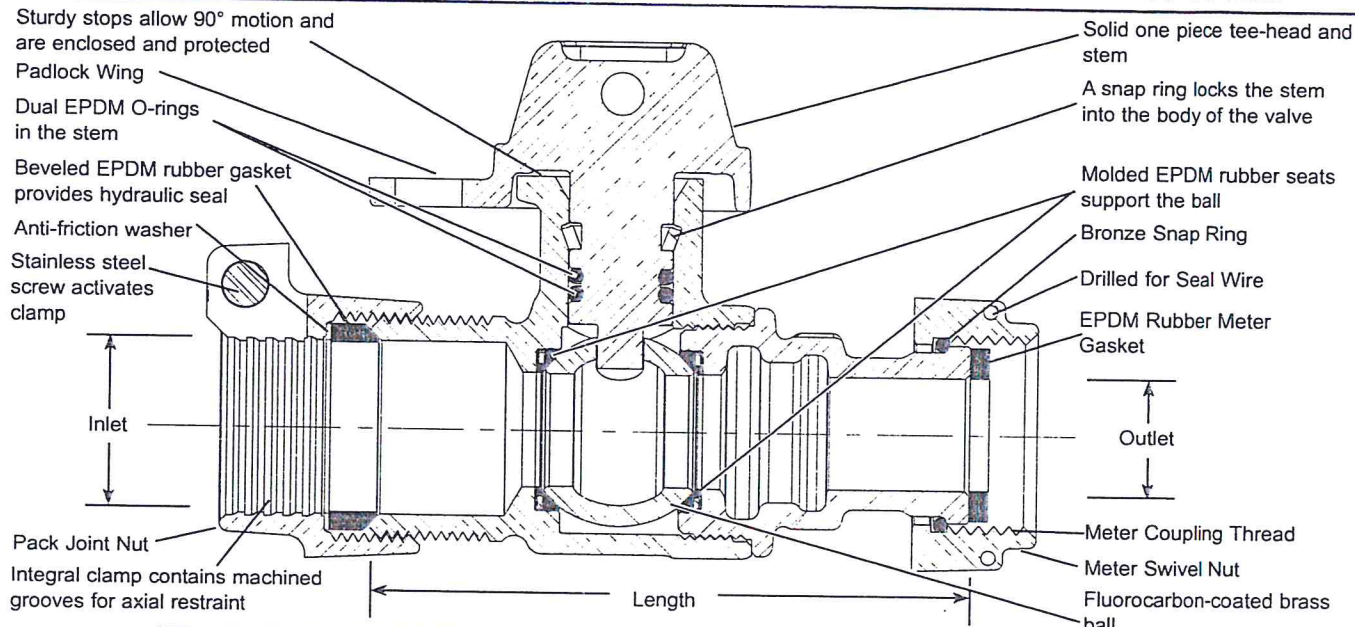
Submitted By:

SUBMITTAL INFORMATION

Straight Ball Meter Valves - (B43-xxxW-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER SWIVEL NUT OUTLET



VALVE SIZE	SERVICE LINE SIZE INLET	METER SIZE OUTLET	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	5/8"	5/8"x3/4" & 3/4"	3-7/32"	1.5	B43-222W-NL	
5/8"	3/4"	5/8"	3-1/4"	1.5	B43-231W-NL	
5/8"	3/4"	5/8"x3/4" & 3/4"	3-1/4"	1.6	B43-232W-NL	
3/4"	3/4"	5/8"	4-1/32"	2.1	B43-331W-NL	
3/4"	3/4"	5/8" x 3/4" & 3/4"	3-57/64"	2.2	B43-332W-NL	
3/4"	3/4"	1"	3-37/64"	2.3	B43-334W-NL	
3/4"	1"	5/8" x 3/4" & 3/4"	3-29/32"	2.3	B43-342W-NL	
3/4"	1"	1"	3-39/64"	2.4	B43-344W-NL	
1"	1"	1"	4-35/64"	2.9	B43-444W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
- Valve is non-directional and is watertight with flow in either direction
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Padlock Wing for locking valve in closed position
- Hole for attaching handle is provided in the tee-head
- 300 PSI working pressure

Optional Full 360° tee-head rotation. Add "R" to part number

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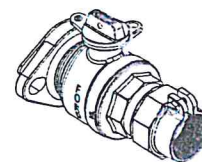
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

08/12/15

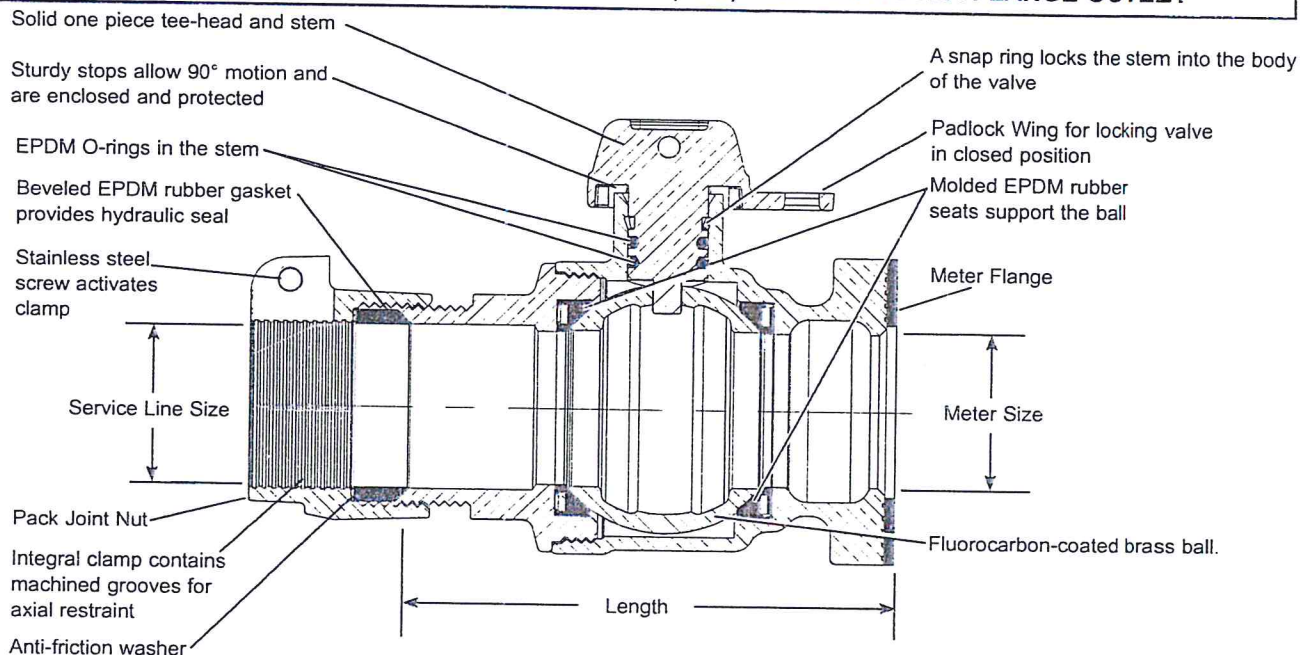
Submitted By:

SUBMITTAL INFORMATION

Straight Ball Flange Meter Valves - (BF43-xxxW-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER FLANGE OUTLET



VALVE SIZE	SERVICE LINE SIZE	METER SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
1-1/2"	1-1/2"	1-1/2"	5-23/64"	8.0	BF43-666W-NL	
1-1/2"	2"	1-1/2"	5-31/64"	8.5	BF43-676W-NL	
2"	2"	1-1/2" and 2"	6-13/64"	10.9	BF43-777W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
 - The product has the letters "NL" cast into the main body for lead-free identification
 - Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
 - Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)
 - Valve is non-directional and is watertight with flow in either direction
 - Ends are integral or secured with adhesive to prevent unintentional disassembly
 - Padlock wing for locking valve in closed position
 - Hole for attaching handle is provided in the tee-head
 - 300 PSI working pressure
 - Furnished with flat EPDM drop-in meter gasket
 - Slotted holes are standard on 2" Flanged Meter Valves, allowing 1-1/2" Flange Meter connection
- Optional full 360° tee-head rotation.** Add "R" to end of part number.
- Optional Meter Support Brackets.** Add "-MSB" to end of part number.

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Overseas Fax: 260-563-0167
www.fordmeterbox.com

09/25/15

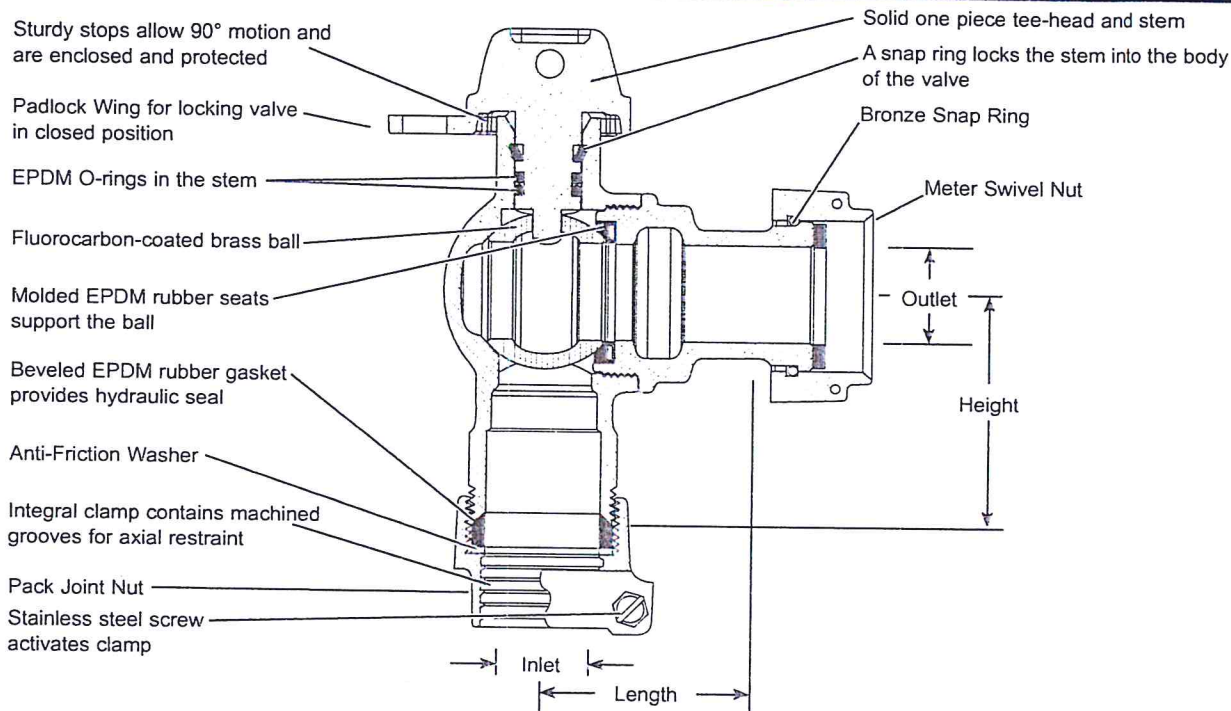
Submitted By:

SUBMITTAL INFORMATION

Angle Ball Meter Valves - (BA43-3xxW-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER SWIVEL NUT OUTLET



VALVE SIZE	SERVICE LINE SIZE INLET	METER SIZE OUTLET	LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	5/8" x 3/4" & 3/4"	2-19/64"	1-7/8"	2.2	BA43-332W-NL	
3/4"	3/4"	1"	1-63/64"	1-7/8"	2.4	BA43-334W-NL	
3/4"	1"	5/8" x 3/4" & 3/4"	2-19/64"	2-7/32"	2.4	BA43-342W-NL	
3/4"	1"	1"	1-63/64"	2-7/32"	2.5	BA43-344W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Annex G
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Hole for attaching handle is provided in tee-head
- 300 PSI working pressure
- Padlock Wing for locking valve in closed position
- Conforms to AWWA C700 for Meter threads

Note: Recommended for inlet side shut-off.

Optional full 360° tee-head rotation. Add "R" to end of part number.

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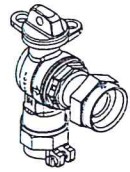
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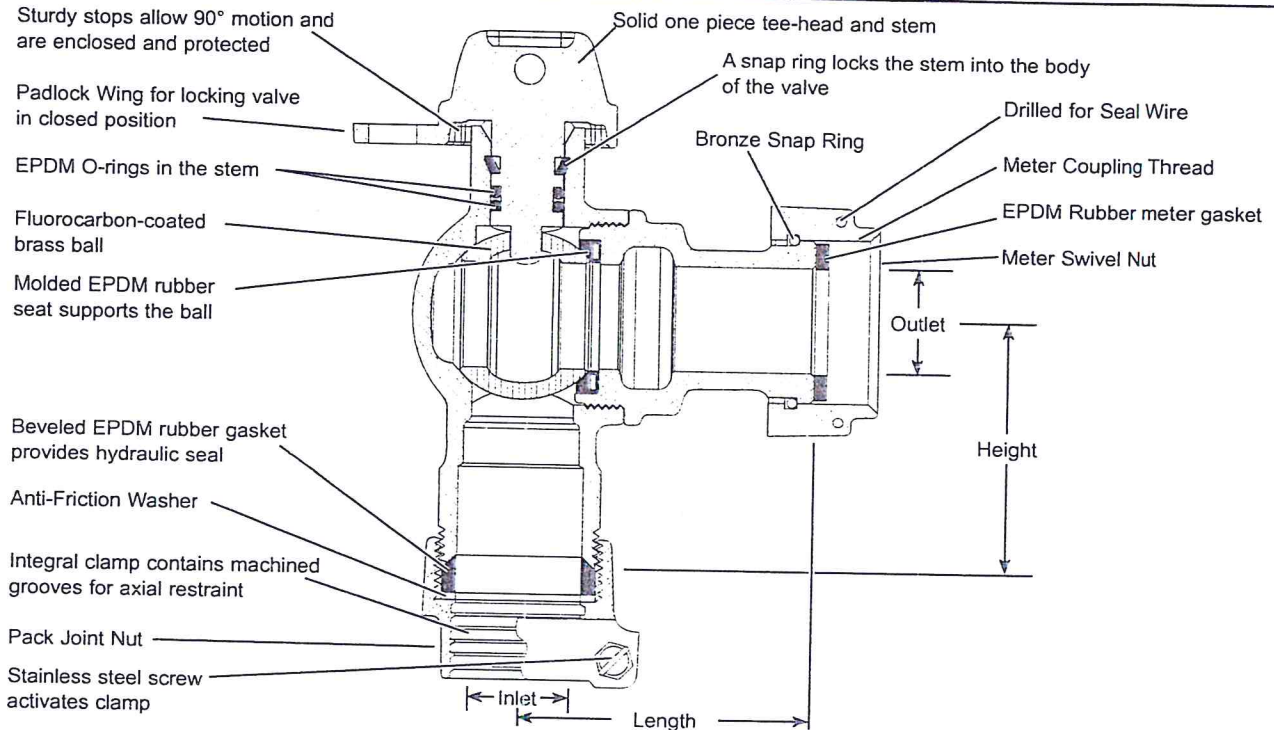
Submitted By:

SUBMITTAL INFORMATION

Angle Ball Meter Valves - (BA43-444W-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER SWIVEL NUT OUTLET



VALVE SIZE	SERVICE LINE SIZE INLET	METER SIZE OUTLET	LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
1"	1"	1"	1-63/64"	2-7/32"	2.5	BA43-444W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Ends are integral or secured with adhesive to prevent unintentional disassembly
- Hole for attaching handle is provided in tee-head
- 300 PSI working pressure
- Padlock Wing for locking valve in closed position
- Conforms to AWWA C700 for Meter threads
- UL Classified to ANSI/NSF Standard 61 and Annex G

Note: Recommended for inlet side shut-off

Optional full 360° tee-head rotation. Insert "R" into part number

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The Ford Meter Box Company, Inc.

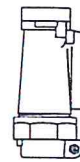
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 Overseas Fax: 260-563-0167
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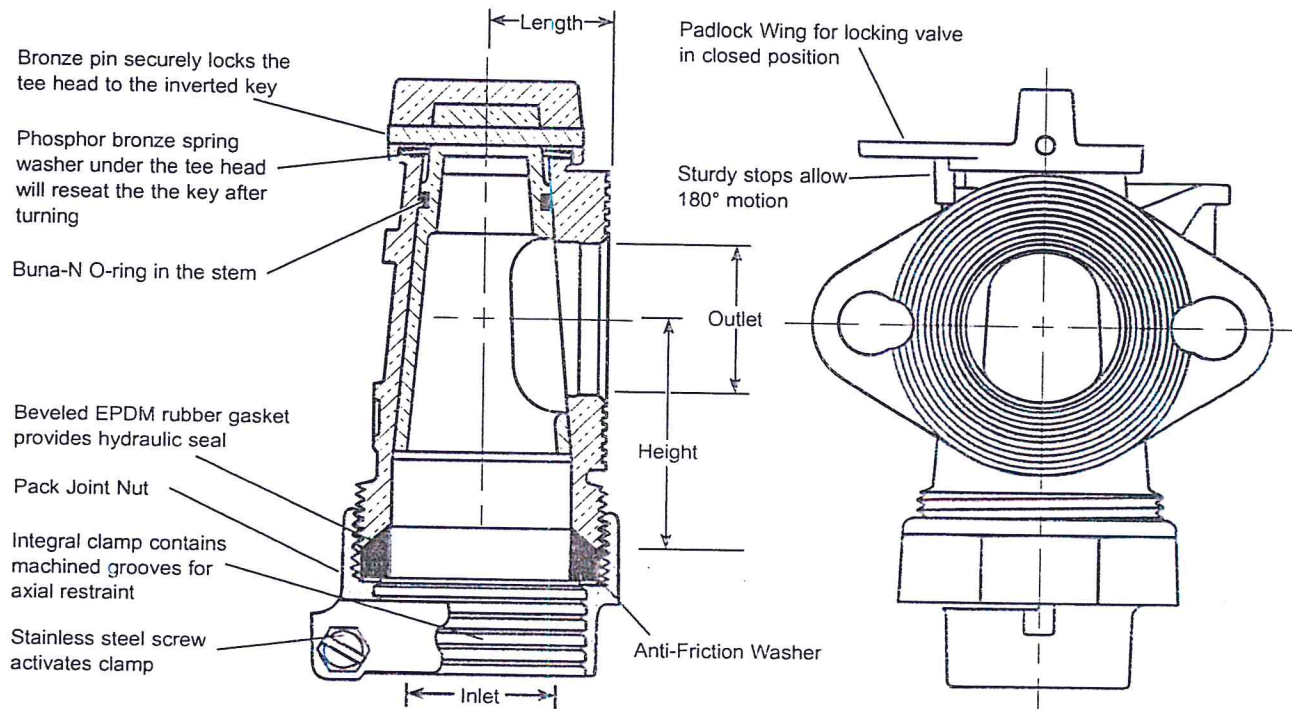
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SUBMITTAL INFORMATION

Angle Key Flange Meter Valves - (FV43-xxxW-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY METER FLANGE OUTLET



VALVE SIZE	SERVICE LINE SIZE INLET	METER SIZE OUTLET	LENGTH	HEIGHT	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
1-1/2"	1-1/2"	1-1/2"	1-1/4"	2-15/16"	6.5	FV43-666W-NL	
2"	2"	1-1/2" & 2"	1-1/2"	3-1/8"	9.4	FV43-777W-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Padlock wing for locking valve in closed position
- Flat drop-in gaskets included
- Slotted holes are standard on 2" Flanged Angle Meter Valves, allowing 1-1/2" flange meter connection
- Meets 80 PSI working pressure requirements of AWWA Standard C800

Optional Meter Support Brackets. Add "-MSB" to end of part number

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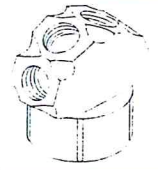
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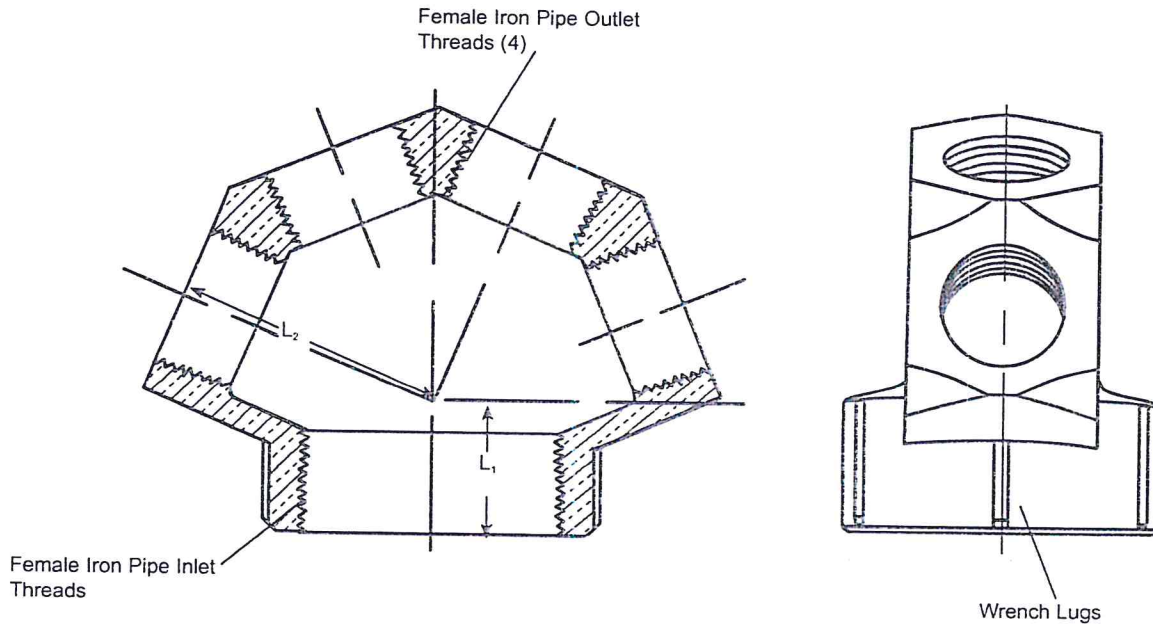
Submitted By:

SUBMITTAL INFORMATION

Multi-Service "Y" - (Y11-474-NL style)



SINGLE FEMALE IRON PIPE THREAD INLET BY FOUR FEMALE IRON PIPE THREAD OUTLETS



INLET THREAD SIZE	OUTLET THREAD SIZE	LENGTH (L ₁)	LENGTH (L ₂)	APPROX WT. LBS.	CATALOG NUMBER	✓ SUBMITTED ITEM(S)
2"	Four 1"	1-1/4"	2-7/16"	3.2	Y11-474-NL	



FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Body design provides wrench lugs for proper installation
- UL Classified to ANSI/NSF Standard 61 and Annex G
- The product has the letters "NL" cast into the main body for proper identification

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10/29/10

Submitted By:

Rev. 8-04

**H-15342**

Two branch

Inlets:** Copper flare nutOutlet:** F.I.P. thread

1"x2"

**H-10070**

Two branch-short body

Inlets: M.I.P. thread**Outlet:** M.I.P. thread

3/4"x1"

NOTE: Minimum length of copper tubing "gooseneck" is: 3/4" size-30", 1" size-40".

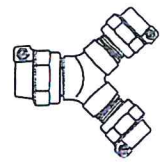
‡Requires minimum ordering quantity. Contact MUELLER Customer Service Center for minimum ordering requirements and availability.

*Inlets and outlet can be reversed.

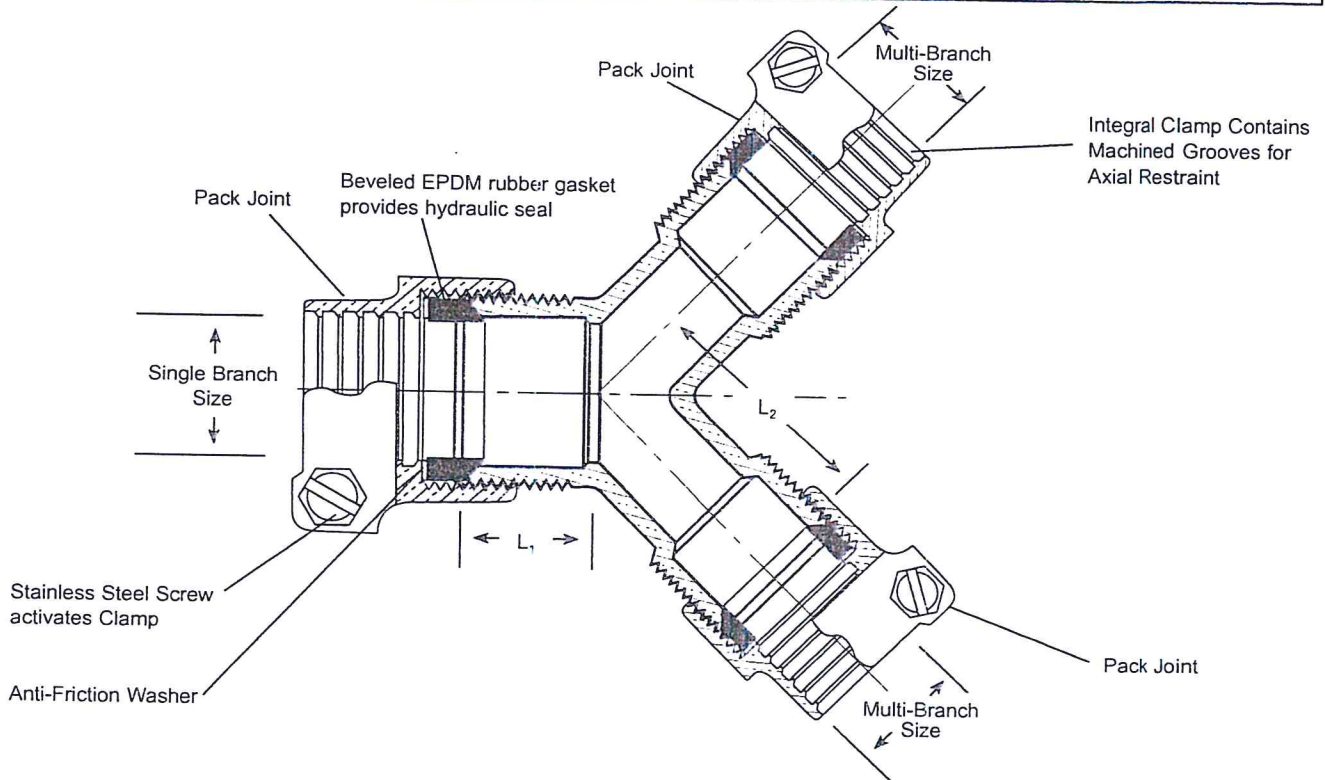
**See page 6.29 for tubing that can be used with this connection.

SUBMITTAL INFORMATION

Pack Joint 'Y' Branch - (Y44-xxx-NL style)



PACK JOINT FOR COPPER OR PLASTIC TUBING (CTS) BOTH ENDS



SINGLE BRANCH END	MULTI-BRANCH END	SINGLE BRANCH LENGTH (L ₁)	MULTI-BRANCH LENGTH (L ₂)	APPROX. WT. LBS.	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	Two - 3/4"	1-3/32"	2-3/64"	1.5	Y44-233-NL	
1"	Two - 3/4"	1-1/16"	2"	2.0	Y44-243-NL	
1-1/2"	Two - 3/4"	1-3/8"	2-7/8"	3.1	Y44-263-NL	
1-1/2"	Two - 1"	1-5/8"	2-3/4"	3.1	Y44-264-NL	
2"	Two - 1"	1-3/16"	3-1/8"	3.7	Y44-274-NL	

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Annex G

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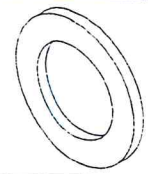
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P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
<http://www.fordmeterbox.com>

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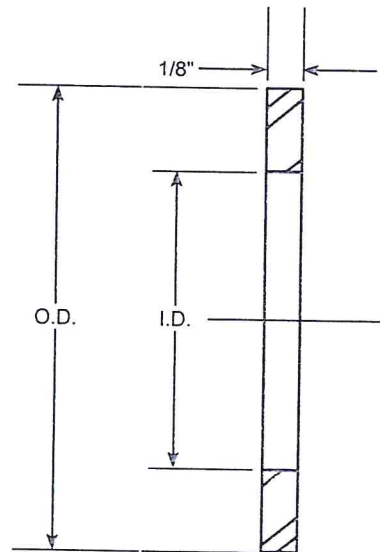
Submitted By:

SUBMITTAL INFORMATION

Rubber Yoke Gasket - (GT-xxx style)



RUBBER YOKE END GASKETS (TO SEAL ON YOKE NOSE OF YOKE VALVES AND FITTINGS)



COUPLING SIZE	METER SIZE	INSIDE DIAMETER	OUTSIDE DIAMETER	PART NUMBER	APPROX. WT. LBS.*	STD. PKG. QTY.	✓ SUBMITTED ITEM(S)
5/8"	5/8"	11/16"	1-3/32"	GT-112	1.9	500	
3/4"	5/8" x 3/4"	13/16"	1-11/32"	GT-118	2.3	400	
1"	1"	1-1/16"	1-21/32"	GT-123	2.6	300	

*Weights for gaskets are for standard package quantities.

FEATURES

- EPDM Rubber per ASTM D2000
- ANSI/NSF 61 approved

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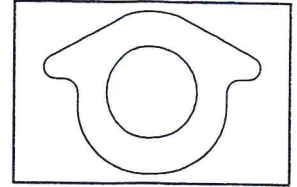
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04/18/13

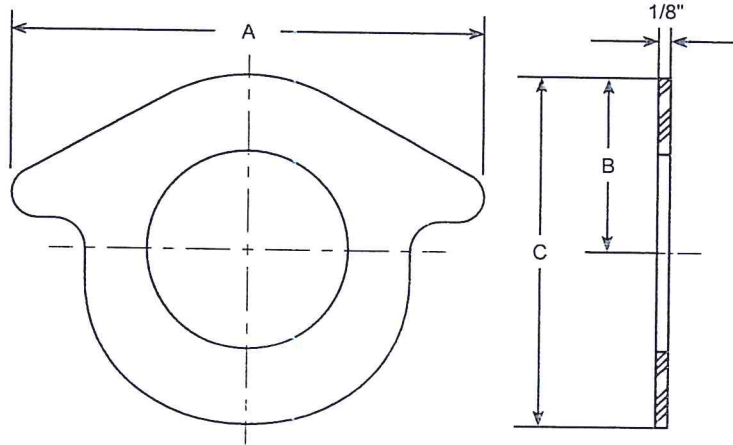
Submitted By:

SUBMITTAL INFORMATION

Rubber Gasket - (GT-xxx style)



RUBBER GASKET FOR 1-1/2" AND 2" FLANGE METER CONNECTIONS



COUPLING SIZE	DIAMETER A	DIAMETER B	DIAMETER C	THICKNESS (T)	PART NUMBER	✓ SUBMITTED ITEM(S)
1-1/2"	4-5/8"	1-21/32"	3-5/16"	1/8"	GT-140	
2"	5-1/4"	2"	4"	1/8"	GT-141	

FEATURES

- EPDM Rubber Gasket
- Conforms to ASTM D2000
- NSF 61 Compliant
- Drop in gaskets for Ford flange meter couplings

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12/04/15

Submitted By:

MISCELLANEOUS METER SETTING EQUIPMENT

Mueller Co.
Reliable Connections™

8E.5

Shaded area indicates change Rev. 5-16



H-10887

Brass meter idler
Has same end-to-end and thread dimensions as meter. Used to continue service during meter repairs

Catalog size	5/8"	5/8" x 3/4"	3/4"	1"
Cover size	5/8"	5/8" x 3/4"	3/4"	1"
Length	7-1/2"	7-1/2"	9"	10-3/4"
Meter thread size	3/4"	1"	1"	1-1/4"



H-14338

Brass locking device (padlock and valve not included)
For use on MUELLER® MARK II ORISEAL® Meter Valves - cannot be used on valves having angle lever handles.

Catalog size	3/4"	1"
--------------	------	----



Water meter increaser
Used on threaded ends of 5/8" meter to increase threads to 5/8 x 3/4 or 3/4 meter size (1" thread)
H-10888: for plain nuts
H-10888-99002: for saddle nuts

H-10888N

H-10888N-02

Catalog size	5/8" x 3/4"	5/8" x 3/4"
Meter size	5/8"	5/8"
Length	11/16"	1"



H-11091

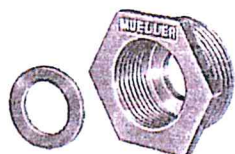


H-11092

Lock wing sealing device
This device is used to detect unauthorized use of valve or stop. Used with lock wings drilled 3/8" or 1/2". The H-11090 is made up of a collar and set screw (H-11091) and a pin (H-11092). The pin is available in 3/8" or 1/2" sizes and the collar with set screw is used on both sizes.



H-11090

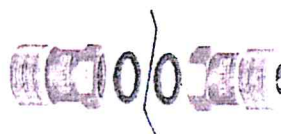


Meter bushing with rubber washer
Used on threaded ends of 5/8 x 3/4 or 3/4 meters to adapt to 1" meter thread size (1-1/4")
H-10889: for saddle nuts
H-10889-99000: for plain nuts

H-10889N

H-10889N-00

Catalog size	3/4" x 1"	3/4" x 1"
Meter size	5/8" x 3/4", 3/4"	5/8" x 3/4", 3/4"
Length	1-1/4"	15-16"



H-10879N

Meter bushing with rubber washer (complete for both ends)
Used on threaded ends of 5/8x3/4 meter to adapt to 1" meter thread size (1-1/4") and standard length.



Catalog size	5/8" x 1"	5/8" x 3/4" x 1"	3/4" x 1"
Meter size	5/8"	5/8" x 3/4"	3/4"
Length	2.062"	2.062"	1.313"

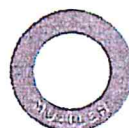


H-10893

Meter coupling washer
H-10893: Fiber washer

Catalog size	5/8"	3/4"	1"	1-1/4"	1-1/2" **	2" **
Meter size	5/8"	5/8" x 3/4", 3/4"	1"	1-1/4"	1-1/2"	2"

** Flange gasket for 1-1/2" and 2" sizes.



H-10895

Meter coupling washer
H-10895: Rubber washer

Catalog size	5/8"	3/4"	1"	1-1/4"	1-1/2" **	2" **
Meter size	5/8"	5/8" x 3/4", 3/4"	1"	1-1/4"	1-1/2"	2"

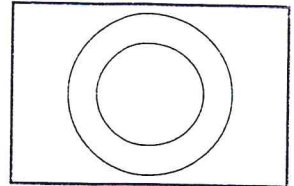
** Flange gasket for 1-1/2" and 2" sizes.

MUELLER Valves and Couplings are manufactured and tested in accordance with ANSI/AWWA C800. Components in contact with potable water will also comply with latest requirements of the Federal Safe Drinking Water Act.

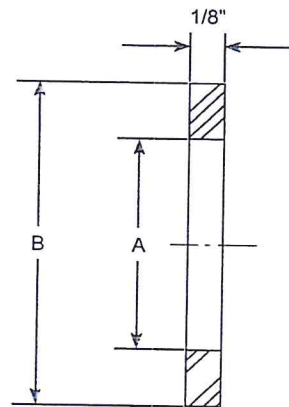
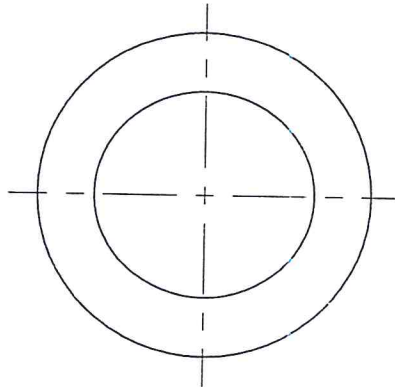
BE COUPLINGS/MISC.

SUBMITTAL INFORMATION

Meter Gasket - (GT-1xx style)



METER GASKET FOR 5/8" TO 1" METER CONNECTIONS



METER SIZE	DIAMETER A	DIAMETER B	THICKNESS (T)	PART NUMBER	✓ SUBMITTED ITEM(S)
5/8"	41/64"	15/16"	1/8"	GT-109	
5/8"x3/4" & 3/4"	25/32"	1-5/32"		GT-116	
1"	1-1/16"	1-1/2"		GT-121	

FEATURES

- Composed of aramid fibers with an SBR binder
- Conforms to ASTM F104

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



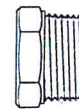
The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

09/15/14

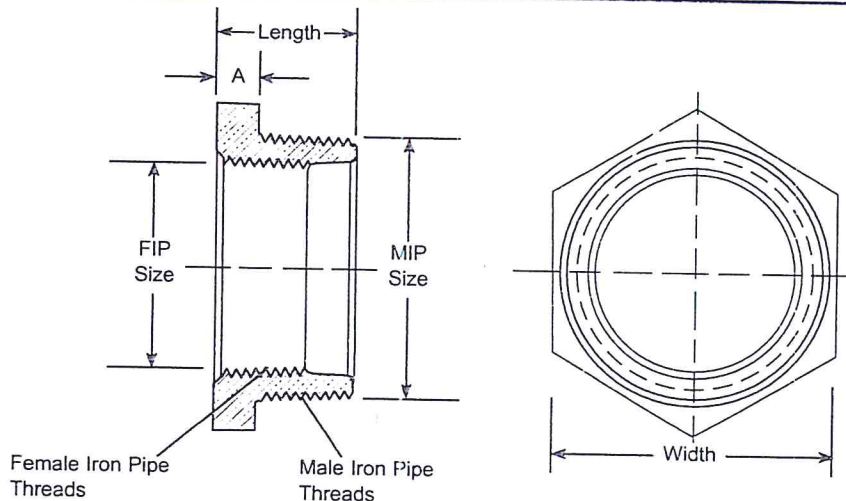
Submitted By:

SUBMITTAL INFORMATION

Brass Bushing - (C18-xx-NL Style)



FEMALE IRON PIPE THREAD TO MALE IRON PIPE THREAD



FIP SIZE	MIP SIZE	LENGTH	WIDTH	WRENCH FLAT HEIGHT (A)	APPROX. WT. LBS.	CATALOG NUMBER	✓SUBMITTED ITEM(S)
1/2"	3/4"	1"	1-1/8"	3/16"	0.1	C18-13-NL	
1/2"	1"	15/16"	1-3/8"	1/4"	0.3	C18-14-NL	
3/4"	1"	15/16"	1-3/8"	1/4"	0.2	C18-34-NL	
3/4"	1-1/4"	1-5/16"	1-1/4"	3/8"	0.5	C18-35-NL	
3/4"	1-1/2"	1-1/2"	2-1/8"	7/16"	0.9	C18-36-NL	
3/4"	2"	1-5/16"	1-5/8"	5/16"	0.8	C18-37-NL	
1"	3/4"	1-5/8"	1-1/2"	5/8"	0.4	C18-43-NL	
1"	1-1/4"	1-3/16"	1-1/4"	5/16"	0.4	C18-45-NL	
1"	1-1/2"	1-1/2"	2-1/8"	7/16"	0.9	C18-46-NL	
1"	2"	1-5/16"	1-1/8"	5/16"	0.7	C18-47-NL	
1-1/4"	1"	2"	1-15/16"	7/8"	0.7	C18-54-NL	
1-1/4"	1-1/2"	1-1/2"	2-1/8"	3/8"	0.5	C18-56-NL	
1-1/4"	2"	1-11/16"	2-1/2"	7/16"	1.4	C18-57-NL	
1-1/2"	2"	1-1/4"	2-1/2"	3/8"	0.8	C18-67-NL	

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (UNS NO C89833)
- The product has the letters "NL" cast into the main body for proper identification
- UL Classified to ANSI/NSF Standard 61 and Standard 61 Annex G (NSF/ANSI 372)
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B-62 and ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Body design provides wrench flats to facilitate installation

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



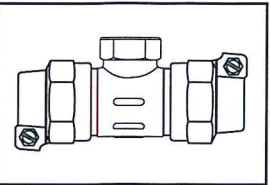
The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
<http://www.fordmeterbox.com>

02/13/13

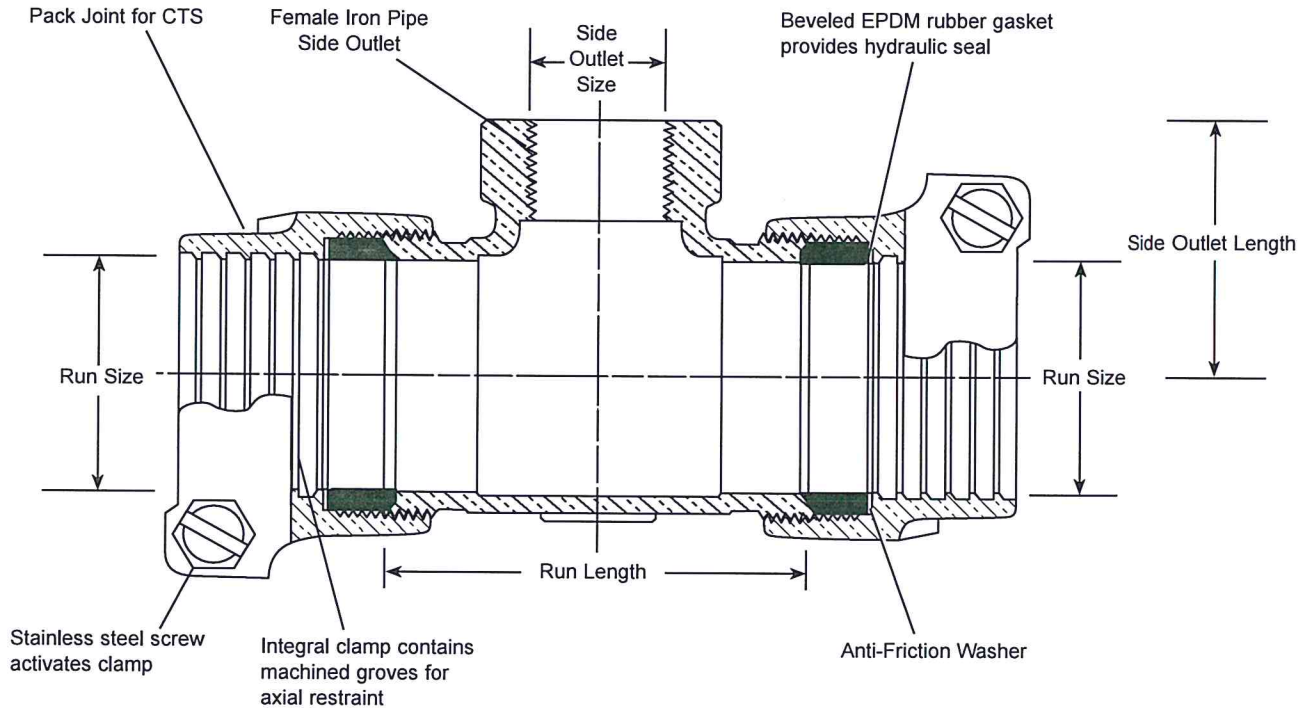
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Tee - (T441-77x-NL style)



PACK JOINT FOR CTS TO PACK JOINT FOR CTS BY FEMALE IRON PIPE SIDE OUTLET



BOTH ENDS (RUN SIZE)	SIDE OUTLET SIZE	RUN LENGTH	SIDE OUTLET LENGTH	APPROX WT. LBS.	PART NUMBER	✓ SUBMITTED ITEM(S)
2"	3/4"	2"	1-3/16"	5.0	T441-773-NL	
2"	1"	2"	1-3/16"	5.2	T441-774-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



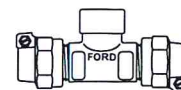
The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
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www.fordmeterbox.com

10/17/16

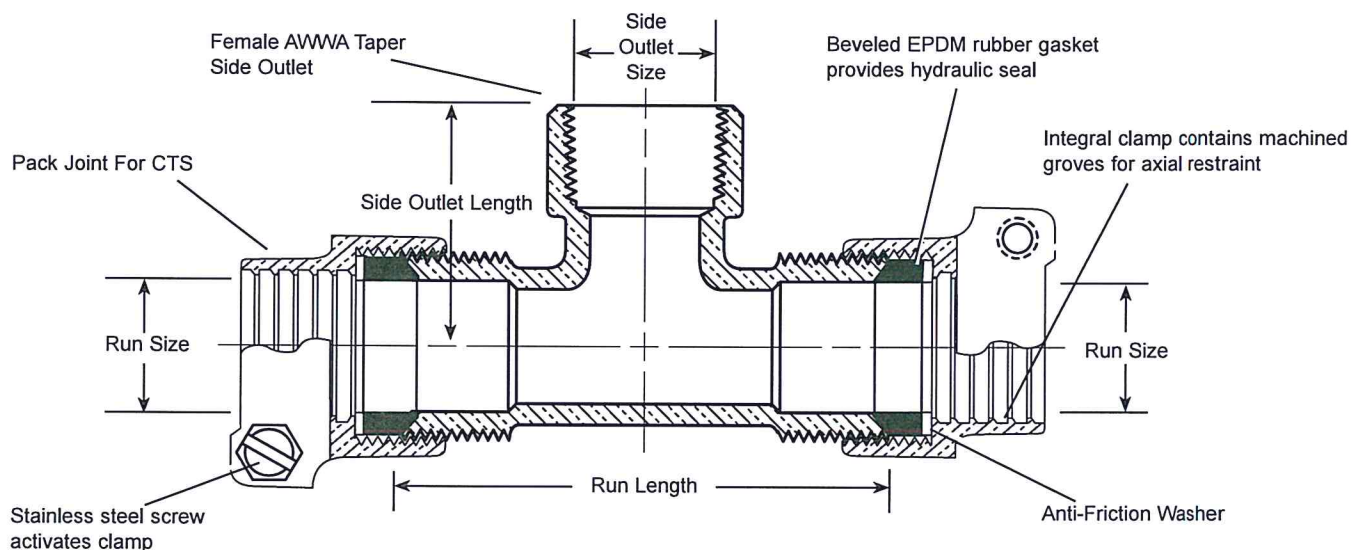
Submitted By:

SUBMITTAL INFORMATION

Pack Joint Tee - (T440-xxx-NL style)



PACK JOINT FOR CTS TO PACK JOINT FOR CTS BY FEMALE AWWA TAPER THREAD SIDE OUTLET



BOTH ENDS (RUN SIZE)	SIDE OUTLET SIZE	RUN LENGTH	SIDE OUTLET LENGTH	APPROX Wt. LBS.	PART NUMBER	✓ SUBMITTED ITEM(S)
1-1/2"	3/4"	4"	1-11/16"	3.2	T440-663-NL	
1-1/2"	1"	4"	1-11/16"	3.2	T440-664-NL	
2"	3/4"	4"	2-3/8"	4.6	T440-773-NL	
2"	1"	4"	2-3/8"	4.6	T440-774-NL	

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.

FEATURES

- All brass that comes in contact with potable water conforms to AWWA Standard C800 (ASTM B584, UNS C89833)
- The product has the letters "NL" cast into the main body for lead-free identification
- Certified to NSF/ANSI Standard 61 and NSF/ANSI Standard 372 where applicable
- Brass components that do not come in contact with potable water conform to AWWA Standard C800 (ASTM B62 and ASTM B584, UNS C83600, 85-5-5-5)

The Ford Meter Box Company considers the information in this submittal form to be correct at the time of publication. Item and option availability, including specifications, are subject to change without notice. Please verify that your product information is current.



The Ford Meter Box Company, Inc.
P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
Phone: 260-563-3171 / Fax: 800-826-3487
Overseas Fax: 260-563-0167
www.fordmeterbox.com

10/17/16

Submitted By:

Lee Brass Product and Material Specifications

Lee Brass products are manufactured to and are compliant with the following standards and specifications:

<u>Lee Free Product Line:</u>	ASTM B584, Alloy C89833, Certified to NSF 61, Ref. ANSI/ASME B16.15, B16.18, European Union (EU) Directive – RoHS (Restriction of Hazardous Substances) 2011/65/EU, ANSI/ASME B1.20.1 <ul style="list-style-type: none">• Commission Decision 2005/618/EC
<u>Import Lead Free Products:</u>	ASTM B584, Alloy C89833, Certified to NSF 61, Ref. ANSI/ASME B16.15, B16.24, A-A-59617, ANSI/ASME B1.20.1
<u>Lead Free Barstock</u>	Mueller Alloy C27450
<u>Lee Cast Solder Fittings:</u>	Ref. ANSI B16.8, ASTM B584, Alloy C84400
<u>Lee Unions:</u>	Components are 100% air under water tested and are produced in accordance with A-A-59617.
<u>Lee Cast Drainage Fittings DWV:</u>	Ref. ASME B16.23, ASTM B584, Alloy C84400/C83600
<u>Lee Flanges:</u>	P/N 11342 and 11345 Ref. ASME B16.24 for drilling requirements, Ref. ANSI B16.18 for solder cup dimensions, also Ref. MSS-SP-106 for physical dimensions. Alloy ASTM B584, C84400 and C89833. P/N 32342 and 32345 Ref. ASME B16.24 for dimensions, ASTM B584, Federal Spec. WW-P-460, Alloy C89833.
<u>Flagg Flow Fittings FF-A; FF-W:</u>	MIL-F-1183, NAVSEA 803-8397430, NAVSEA 810-4715319, ASTM B61, ASTM B369, ANSI/ASME B16.5, MIL-PRF-20042
<u>Cleanout Plugs DWV:</u>	Raised and Countersunk Heads, Southern and other Plumbing Codes, ASTM B584, Alloy C84400/C83600
<u>Lee Flared Tube Fittings:</u>	Ref. ASME/ANSI B16.26, ASTM B584, Alloy C84400/C83600
<u>Import Leaded Products:</u>	Ref. ANSI/ASME B16.15, ASTM B584, Federal Spec. WW-P-460, Alloy C84400/C83600, ANSI/ASME B1.20.1
<u>Lee Cast Threaded Fittings (DOM):</u>	Ref. ANSI/ASME B16.15, ASTM B584, Federal Spec. WW-P-460, Alloy C84400/C83600, ANSI/ASME B1.20.1



Approved
David Smith
Approval Date
5/6/15

Record
QTY-RF-0005
Revision
H
Page 2 of 2

**Domestic and Import Brass
Pipe and Pipe Nipples:**

Pipe to ASME B43, Alloy C23000. Pipe Nipples to ASTM B687, Alloy C23000.

**Brass Threaded Bar Stock
Fittings:**

ASTM B16, Alloy C36000, ANSI/ASME B1.20.1

No mercury containing compounds or mercury containing apparatus are used in the manufacture or testing of the above items.

LEE BRASS
1800 Golden Springs Road
Anniston, Alabama 36207
Tel: 256-831-2501
Fax: 256-831-8380
<http://www.leebrass.com>

Domestic Cast Threaded Fittings

Lee Brass

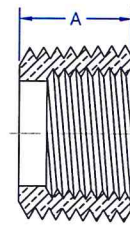
69140 FACE BUSHINGS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX. NET WT.	DIM. A
0007LF	1/4 X 1/8	0.0115	0.4375*
0058LF	1/2 X 3/8	0.0315	0.5625*
0107LF	3/4 X 1/2	0.0495	0.625*

*Furnished in bar-stock

69140
FACE BUSHINGS

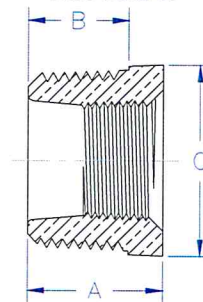


60144 HEX BUSHINGS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX. NET WT.	DIM. A	DIM. B	DIM. C
0007LF	1/4X1/8	0.022	0.594	0.4375	0.66*
0032LF	3/8X1/4	0.033	0.6563	0.5	0.69*
0033LF	3/8X1/8	0.048	0.6563	0.5	0.69*
0058LF	1/2X3/8	0.0535	0.75	0.594	0.88*
0059LF	1/2X1/4	0.0805	0.75	0.594	0.88*
0060LF	1/2X1/8	0.099	0.75	0.594	0.88*
0107LF	3/4X1/2	0.108	0.875	0.625	1.16*
0108LF	3/4X3/8	0.154	0.875	0.625	1.16*
0109LF	3/4X1/4	0.1935	0.875	0.625	1.16*
0110LF	3/4X1/8	0.2075	0.875	0.625	1.16*
0159LF	1x3/4	0.2067	1	0.75	1.42
0160LF	1x1/2	0.264	1	0.75	1.42
0161LF	1x3/8	0.228	1	0.75	1.12
0162LF	1x1/4	0.247	1.1	0.75	1.12
0163LF	1x1/8	0.2076	1.1	0.75	1.12
0222LF	1-1/4x1	0.348	1.1	0.8	1.76
0223LF	1-1/4x3/4	0.4337	1.1	0.8	1.76
0224LF	1-1/4x1/2	0.3738	1.14	0.8	1.34
0225LF	1-1/4x3/8	0.3252	1.14	0.8	1.12
0226LF	1-1/4x1/4	0.3585	1.14	0.8	1.12
0303LF	1-1/2x1-1/4	0.5	1.16	0.83	2
0304LF	1-1/2x1	0.479	1.16	0.83	2
0305LF	1-1/2x3/4	0.4163	1.2	0.83	1.63
0306LF	1-1/2x1/2	0.45	1.2	0.83	1.34
0307LF	1-1/2x3/8	0.45	1.2	0.83	1.13
0308LF	1-1/2-1/4	0.905	1.2	0.83	1.4
0398LF	2x1-1/2	0.88	1.24	0.88	2.48
0399LF	2x1-1/4	0.6482	1.24	0.88	2.48
0400LF	2x1	0.7625	1.29	0.88	1.95
0401LF	2x3/4	0.621	1.29	0.88	1.63
0402LF	2x1/2	0.6633	1.29	0.88	1.34
0404LF	2x1/4	1.2525	1.2	0.88	1.13
0531LF	2-1/2x2	1.2175	1.44	1.07	2.98
0532LF	2-1/2x1-1/2	1.0526	1.51	1.07	2.68

60144
HEX BUSHINGS



Domestic Cast Threaded Fittings

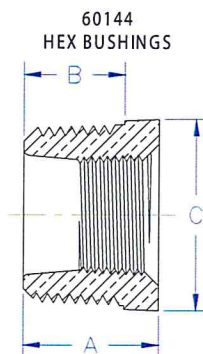
Lee Brass

60144 HEX BUSHINGS (continued)

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX. NET WT.	DIM. A	DIM. B	DIM. C
0533LF	2-1/2x1-1/4	1.218	1.51	1.07	2.39
0534LF	2-1/2x1	1.4	1.51	1.07	1.95
0536LF	2-1/2x1/2	1.9	1.55	1.07	1.97
0662LF	3x2-1/2	2.1076	1.55	1.13	3.86
0663LF	3x2-1/2	1.6	1.61	1.13	3.28
0664LF	3x1-1/2	1.6111	1.61	1.13	2.68
0665LF	3x1-1/4	1.52	1.61	1.13	2.39
0666LF	3x1	2.2066	1.57	1.13	1.95
0790LF	3-1/2x3	2.24	1.69	1.13	4.24
0869LF	4x3-1/2	3.1	1.74	1.22	4.63
0870LF	4x3	3.1	1.72	1.22	4.62
0871LF	4x2-1/2	3.1	1.82	1.22	3.86
0872LF	4x2	2.8293	1.82	1.22	3.28
0873LF	4x1-1/2	2.68	1.66	1.22	2.8
0875LF	4x1	4.8	1.66	1.22	2.8

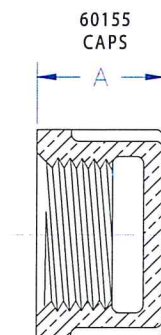
*Furnished in bar-stock



60155 CAPS

125 lbs.

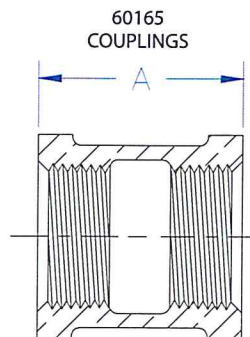
SIZE CODE	NOMINAL SIZE	APPROX. NET WT.	DIM. A
0001LF	1/8	0.0353	0.49
0002LF	1/4	0.0546	0.59
0025LF	3/8	0.0833	0.64
0050LF	1/2	0.1135	0.76
0100LF	3/4	0.19	0.84
0150LF	1	0.313	0.99
0215LF	1-1/4	0.51	1.1
0295LF	1-1/2	0.7335	1.15
0390LF	2	1.147	1.32
0520LF	2-1/2	1.85	1.7
0650LF	3	2.945	1.8
0860LF	4	5.4875	2.08



Domestic Cast Threaded Fittings

Lee Brass

60165 COUPLINGS		125 lbs.	
SIZE CODE	NOMINAL SIZE	APPROX. NET. WT.	DIM. A
0001LF	1/8	0.053	0.8
0002LF	1/4	0.0727	0.97
0007LF	1/4x1/8	0.0653	0.88
0025LF	3/8	0.127	1.05
0032LF	3/8x1/4	0.1025	1.01
0033LF	3/8x1/8	0.107	0.92
0050LF	1/2	0.1948	1.29
0058LF	1/2x3/8	0.1692	1.17
0059LF	1/2x1/4	0.135	1.13
0060LF	1/2x1/8	0.144	1.13
0100LF	3/4	0.2812	1.43
0107LF	3/4x1/2	0.2506	1.36
0108LF	3/4x3/8	0.225	1.24
0109LF	3/4x1/4	0.212	1.24
0150LF	1	0.449	1.68
0159LF	1x3/4	0.376	1.56
0160LF	1x1/2	0.339	1.49
0161LF	1x3/8	0.324	1.49
0162LF	1x1/4	0.349	1.49
0215LF	1-1/4	0.6233	1.86
0222LF	1-1/4x1	0.544	1.77
0223LF	1-1/4x3/4	0.545	1.65
0224LF	1-1/4x1/2	0.496	1.65
0295LF	1-1/2	0.8088	1.92
0303LF	1-1/2x1-1/4	0.7378	1.87
0304LF	1-1/2x1	0.6663	1.8
0305LF	1-1/2x3/4	0.6237	1.8
0306LF	1-1/2x1/2	0.596	1.8
0390LF	2	1.565	2.2
0398LF	2x1-1/2	1.1208	2.03
0399LF	2x1-1/4	1.152	2.03
0400LF	2x1	1.0117	2.03
0401LF	2x3/4	0.9733	2.03
0402LF	2x1-1/2	1.018	1.94
0520LF	2-1/2	2.305	2.88
0531LF	2-1/2x2	1.864	3.25
0532LF	2-1/2x1-1/2	2.158	3.25
0533LF	2-1/2x1-1/4	2.01	3.25
0650LF	3	3.355	3.18
0662LF	3x2-1/2	3.8	3.69
0663LF	3x2	3.432	3.69
0664LF	3x1-1/2	4.23	3.69
0665LF	3x1-1/4	1.995	3.69
0666LF	3x1	4.75	2.45
0860LF	4	4.9	3.69
0870LF	4x3	6.13	4.38
0872LF	4x2	5.54	4.38
0975LF	5	10.85	4.17
1100LF	6	15.925	4.85
1109LF	6x4	12.6	4.75



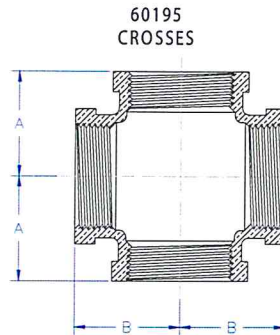
Domestic Cast Threaded Fittings

Lee Brass

60195 CROSSES

125 lbs.

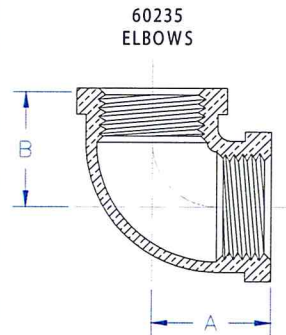
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0001LF	1/8	0.1137	0.54	0.54
0002LF	1/4	0.163	0.71	0.71
0025LF	3/8	0.253	0.82	0.82
0050LF	1/2	0.3625	1.01	1.01
0100LF	3/4	0.568	1.18	1.18
0118LF	3/4x3/4x1/2x1/2	0.4659	1.08	1.11
0150LF	1	0.949	1.43	1.43
0215LF	1-1/4	1.5312	1.69	1.69
0247LF	1-1/4x3/4	0.870	1.48	1.39
0295LF	1-1/2	1.9433	1.84	1.84
0390LF	2	2.95	2.12	2.12
0520LF	2-1/2	6.05	2.7	2.7
0650LF	3	8.251	3.08	3.08
0860LF	4	16.645	3.79	3.79



60235 ELBOWS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0001LF	1/8	0.06	0.53	0.53
0002LF	1/4	0.102	0.71	0.71
0007LF	1/4x1/8	0.086	0.65	0.6
0025LF	3/8	0.186	0.82	0.82
0032LF	3/8x1/4	0.1258	0.75	0.78
0033LF	3/8x1/8	0.127	0.75	0.78
0050LF	1/2	0.229	1.01	1.01
0058LF	1/2x3/8	0.1771	0.93	0.9
0059LF	1/2x1/4	0.1704	0.87	0.87
0100LF	3/4	0.335	1.18	1.18
0107LF	3/4x1/2	0.313	1.08	1.11
0108LF	3/4x3/8	0.875	0.97	0.97
0109LF	3/4x1/4	0.2394	0.94	1
0150LF	1	0.5544	1.43	1.43
0159LF	1x3/4	0.543	1.3	1.31
0160LF	1x1/2	0.4479	1.2	1.24
0161LF	1x3/8	0.39	1.12	1.13
0162LF	1x1/4	0.4065	1.12	1.13
0215LF	1-1/4	0.9117	1.69	1.69
0222LF	1-1/4x1	0.794	1.52	1.6
0223LF	1-1/4x3/4	0.6816	1.39	1.48
0224LF	1-1/4x1/2	0.7153	1.29	1.41
0295LF	1-1/2	1.3883	1.84	1.84
0303LF	1-1/2x1-1/4	1.004	1.72	1.81
0304LF	1-1/2x1	0.9645	1.55	1.72
0305LF	1-1/2x3/4	0.884	1.42	1.6
0306LF	1-1/2x1/2	0.94	1.32	1.53
0390LF	2	2.2416	2.12	2.12
0398LF	2x1-1/2	1.725	1.89	2.07



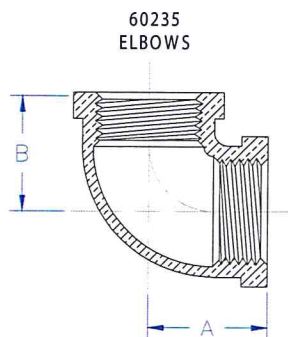
Domestic Cast Threaded Fittings

Lee Brass

60235 ELBOWS (continued)

125 lbs.

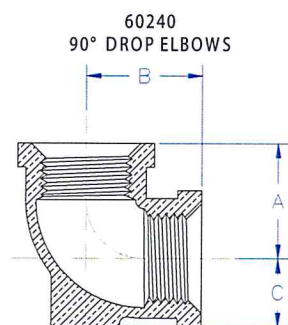
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0399LF	2x1-1/4	1.4766	1.77	2.04
0400LF	2x1	1.4561	1.59	1.95
0401LF	2x3/4	1.5455	1.47	1.84
0402LF	2x1/2	1.6	1.49	1.88
0520LF	2-1/2	3.387	2.7	2.7
0531LF	2-1/2x2	3.015	2.39	2.6
0532LF	2-1/2x1-1/2	2.92	2.16	2.51
0650LF	3	5.335	3.08	3.08
0662LF	3x2-1/2	4.5143	2.83	2.99
0663LF	3x2	3.8	2.52	2.89
0860LF	4	9.015	3.79	3.79
0975LF	5	17.2	4.5	4.5
1100LF	6	25.9	5.13	5.13



60240 90° DROP ELBOWS

125 lbs.

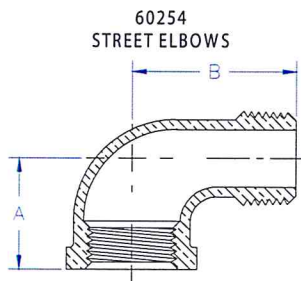
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C
0002LF	1/4	0.1283	0.72	0.72	0.44
0025LF	3/8	0.247	0.82	0.82	0.625
0050LF	1/2	0.369	1.01	1.01	0.625



60254 STREET ELBOWS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0001LF	1/8	0.0523	0.54	0.92
0002LF	1/4	0.101	0.71	1.11
0025LF	3/8	0.135	0.82	1.24
0050LF	1/2	0.195	1.01	1.48
0100LF	3/4	0.323	1.18	1.65
0150LF	1	0.5887	1.43	1.98
0215LF	1-1/4	0.9427	1.69	2.24
0222LF	1-1/4x1	0.75	1.62	2.22
0295LF	1-1/2	1.2729	1.84	2.46
0390LF	2	2.1313	2.12	2.88
0520LF	2-1/2	4.06	2.7	3.86
0650LF	3	6.4835	3.08	4.51



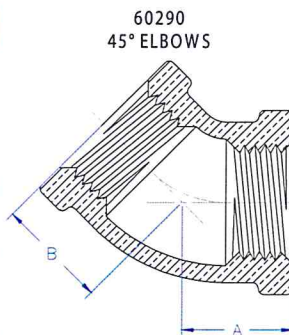
Domestic Cast Threaded Fittings

Lee Brass

60290 45° ELBOWS

125 lbs.

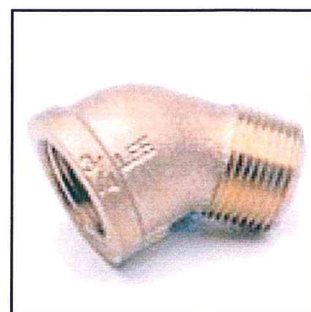
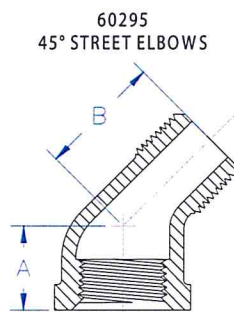
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0001LF	1/8	0.054	0.42	0.42
0002LF	1/4	0.0912	0.56	0.56
0025LF	3/8	0.1372	0.63	0.63
0050LF	1/2	0.208	0.78	0.78
0100LF	3/4	0.311	0.89	0.89
0150LF	1	0.5395	1.06	1.06
0215LF	1-1/4	0.8	1.22	1.22
0295LF	1-1/2	1.0716	1.3	1.3
0390LF	2	1.7075	1.45	1.45
0520LF	2-1/2	3.28	1.95	1.95
0650LF	3	4.84	2.17	2.17



60295 45° STREET ELBOWS

125 lbs.

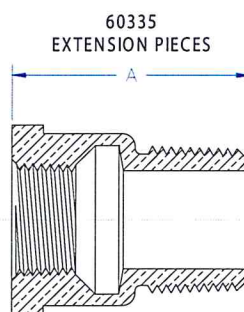
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0002LF	1/4	0.0753	0.56	0.88
0025LF	3/8	0.114	0.63	0.92
0050LF	1/2	0.1787	0.78	1.06
0100LF	3/4	0.294	0.89	1.23
0150LF	1	0.4875	1.06	1.4
0215LF	1-1/4	0.715	1.22	1.64
0295LF	1-1/2	0.931	1.3	1.8
0390LF	2	1.5686	1.45	2.14



60335 EXTENSION PIECES

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX. NET WT.	DIM. A
0050LF	1/2	0.175	1.49
0100LF	3/4	0.238	1.74
0150LF	1	0.484	2.18
0215LF	1-1/4	0.59	2.02
0295LF	1-1/2	0.85	2.12
0390LF	2	1.2	2.3



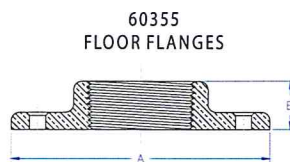
Domestic Cast Threaded Fittings

Lee Brass

60355 FLOOR FLANGES

125 lbs.

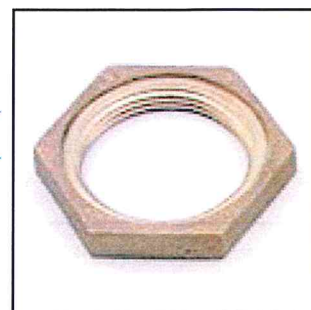
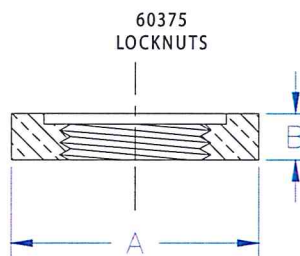
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0002LF	1/4	0.1	2.47	0.36
0025LF	3/8	0.2193	2.67	0.47
0050LF	1/2	0.341	3	0.5
0100LF	3/4	0.405	3.25	0.55
0150LF	1	0.8339	3.72	0.78
0215LF	1-1/4	1.0527	4	0.75
0295LF	1-1/2	1.4905	4.38	0.92
0390LF	2	2.0503	5.09	0.98



60375 LOCKNUTS

125 lbs.

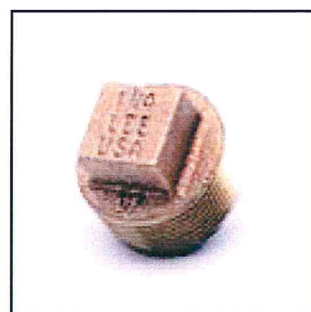
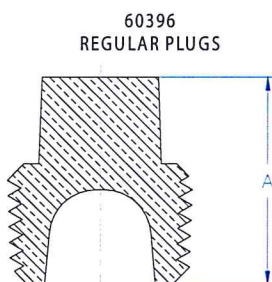
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0001LF	1/8	0.0414	0.88	0.25
0002LF	1/4	0.035	0.88	0.25
0025LF	3/8	0.0338	1	0.28
0050LF	1/2	0.0692	1.28	0.27
0100LF	3/4	0.081	1.5	0.28
0150LF	1	0.112	1.75	0.34
0215LF	1-1/4	0.1712	2.09	0.38
0295LF	1-1/2	0.275	2.44	0.4
0390LF	2	0.385	2.94	0.47
0520LF	2-1/2	1.0233	3.75	0.56
0650LF	3	1.1092	4.25	0.63
0860LF	4	2.241	5.38	0.81



60396 REGULAR PLUGS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0050LF	1/2	0.0878	0.92
0100LF	3/4	0.12	0.99
0150LF	1	0.262	1.19
0215LF	1-1/4	0.3655	1.27
0295LF	1-1/2	0.4285	1.35
0390LF	2	0.6356	1.44
0520LF	2-1/2	1.0125	1.81
0650LF	3	1.45	1.93
0780LF	3-1/2	2.35	2.06
0860LF	4	2.668	2.14
1100LF	6	7.6949	2.51



Domestic Cast Threaded Fittings

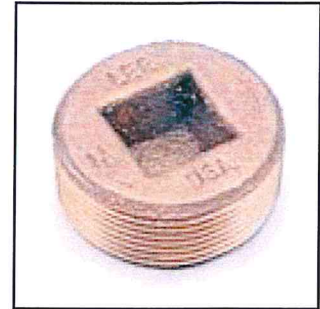
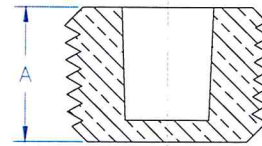
Lee Brass

60397 COUNTERSUNK PLUGS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0050LF	1/2	0.0560	0.54
0100LF	3/4	0.0950	0.55
0150LF	1	0.2050	0.69
0215LF	1-1/4	0.3357	0.71
0295LF	1-1/2	0.4841	0.73
0390LF	2	0.7800	0.76
0520LF	2-1/2	1.6340	1.07
0650LF	3	2.5130	1.13
0860LF	4	2.8300	1.22
1100LF	6	12.2300	1.4

60397 COUNTERSUNK PLUGS

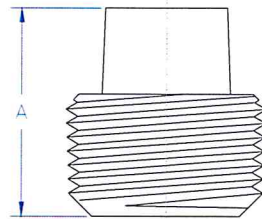


60399 SOLID PLUGS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0025LF	3/8	0.0558	0.72
0050LF	1/2	0.1085	0.92
0100LF	3/4	0.1776	0.99
0150LF	1	0.3614	1.19
0215LF	1-1/4	0.586	1.27
0295LF	1-1/2	0.8116	1.35
0390LF	2	1.343	1.44
0520LF	2-1/2	2.367	1.81
0650LF	3	3.7383	1.93
0860LF	4	7.01	2.14

60399 SOLID PLUGS

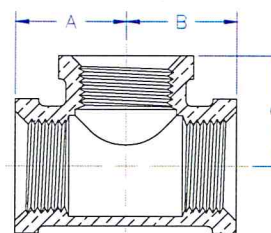


60460 TEES

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C
0001LF	1/8	0.0941	0.54	0.54	0.54
0002LF	1/4	0.1291	0.71	0.71	0.71
0006LF	1/4x1/4x3/8	0.167	0.87	0.87	0.85
0007LF	1/4x1/4x1/8	0.1173	0.65	0.65	0.6
0025LF	3/8	0.213	0.82	0.82	0.82
0031LF	3/8x3/8x1/2	0.238	0.9	0.9	0.93
0032LF	3/8x3/8x1/4	0.174	0.75	0.75	0.78
0033LF	3/8x3/8x1/8	0.2	0.73	0.73	0.73
0040LF	3/8x1/4x3/8	0.1885	0.82	0.78	0.82
0050LF	1/2	0.3435	1.01	1.01	1.01
0056LF	1/2x1/2x1	0.568	1.31	1.31	1.25
0057LF	1/2x1/2x3/4	0.3795	1.11	1.11	1.08
0058LF	1/2x1/2x3/8	0.2534	0.93	0.93	0.9
0059LF	1/2x1/2x1/4	0.2297	0.87	0.87	0.87
0060LF	1/2x1/2x1/8	0.2337	0.87	0.87	0.87
0066LF	1/2x3/8x1/2	0.268	1.01	0.9	1.01

60460 TEES



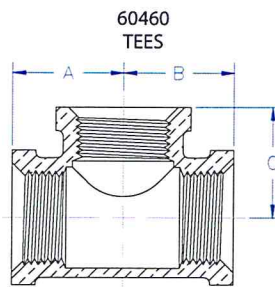
Domestic Cast Threaded Fittings

Lee Brass

60460 TEES (continued)

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NETWT.	DIM A	DIM B	DIM C
0067LF	1/2x3/8x3/8	0.2488	0.93	0.82	0.9
0075LF	1/2x1/4x1/2	0.2901	0.93	0.87	0.93
0100LF	3/4	0.4828	1.18	1.18	1.18
0104LF	3/4x3/4x1-1/2	1	1.7	1.7	1.34
0106LF	3/4x3/4x1	0.648	1.31	1.31	1.3
0107LF	3/4x3/4x1/2	0.411	1.08	1.08	1.11
0108LF	3/4x3/4x3/8	0.399	1	1	1
0109LF	3/4x3/4x1/4	0.346	1	1	1
0117LF	3/4x1/2x3/4	0.42	1.18	1.11	1.18
0118LF	3/4x1/2x1/2	0.401	1.08	1.01	1.11
0126LF	3/4x3/8x3/4	0.3562	1.18	1.08	1.18
0127LF	3/4x3/8x1/2	0.784	1.09	0.87	1.09
0150LF	1	1.15	1.43	1.43	1.43
0157LF	1x1x1-1/2	0.964	1.72	1.72	1.55
0158LF	1x1x1-1/4	0.7166	1.6	1.6	1.52
0159LF	1x1x3/4	0.5768	1.3	1.3	1.31
0160LF	1x1x1/2	0.5594	1.2	1.2	1.24
0161LF	1x1x3/8	0.585	1.12	1.12	1.13
0162LF	1x1x1/4	0.6854	1.06	1.06	1.15
0169LF	1x3/4x1	0.575	1.31	1.43	1.43
0170LF	1x3/4x3/4	0.463	1.3	1.18	1.31
0171LF	1x3/4x1/2	0.79	1.2	1.08	1.24
0180LF	1x1/2x1	0.51	1.43	1.24	1.43
0181LF	1x1/2x3/4	0.45	1.3	1.11	1.31
0182LF	1x1/2x1/2	1.1563	1.16	0.93	1.16
0215LF	1-1/4	1.7425	1.69	1.69	1.69
0221LF	1-1/4x1-1/4x1-1/2	1.0928	1.81	1.81	1.72
0222LF	1-1/4x1-1/4x1	0.908	1.52	1.52	1.6
0223LF	1-1/4x1-1/4x3/4	0.929	1.39	1.39	1.48
0224LF	1-1/4x1-1/4x1/2	0.9279	1.29	1.29	1.41
0234LF	1-1/4x1x1-1/4	0.9349	1.69	1.6	1.69
0235LF	1-1/4x1x1	0.85	1.52	1.41	1.6
0236LF	1-1/4x1x3/4	0.775	1.39	1.3	1.48
0237LF	1-1/4x1x1/2	1.0983	1.31	1.21	1.45
0245LF	1-1/4x3/4x1-1/4	0.72	1.69	1.48	1.69
0247LF	1-1/4x3/4x3/4	0.915	1.45	1.31	1.62
0256LF	1-1/4x1/2x1-1/4	1.5225	1.69	1.4	1.69
0295LF	1-1/2	2.145	1.84	1.84	1.84
0302LF	1-1/2x1-1/2x2	1.45	2.07	2.07	1.89
0303LF	1-1/2x1-1/2x1-1/4	1.348	1.72	1.72	1.81
0304LF	1-1/2x1-1/2x1	1.197	1.55	1.55	1.72
0305LF	1-1/2x1-1/2x3/4	1.12	1.42	1.42	1.6
0306LF	1-1/2x1-1/2x1/2	1.4722	1.32	1.32	1.53
0315LF	1-1/2x1-1/4x1-1/2	1.333	1.84	1.81	1.84
0316LF	1-1/2x1-1/4x1-1/4	1.5466	1.72	1.69	1.81
0328LF	1-1/2x1x1-1/2	1.24	1.94	1.8	1.94



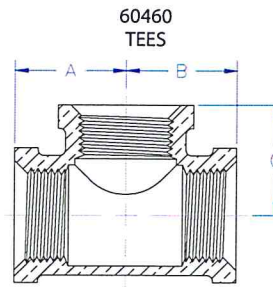
Domestic Cast Threaded Fittings

Lee Brass

60460 TEES (continued)

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NETWT.	DIM. A	DIM. B	DIM. C
0329LF	1-1/2x1x1-1/4	1.15	1.8	1.53	1.8
0330LF	1-1/2x1x1	1.3525	1.5	1.65	1.8
0339LF	1-1/2x3/4x1-1/2	1.45	1.84	1.6	1.84
0350LF	1-1/2x1/2x1-1/2	2.6667	1.94	1.66	1.94
0390LF	2	3.76	2.12	2.12	2.12
0396LF	2x2x3	3.6667	2.78	2.78	2.4
0397LF	2x2x2-1/2	2.1122	2.6	2.6	2.39
0398LF	2x2-1-1/2	2.065	1.89	1.89	2.07
0399LF	2x2-1-1/4	1.91	1.77	1.77	2.04
0400LF	2x2x1	1.696	1.59	1.59	1.95
0401LF	2x2x3/4	1.6725	1.47	1.47	1.84
0402LF	2x2x1/2	2.345	1.49	1.49	1.88
0413LF	2x1-1/2x2	1.96	2.12	2.07	2.12
0414LF	2x1-1/2x1-1/2	1.85	1.89	1.84	2.07
0415LF	2x1-1/2x1-1/4	1.6364	1.77	1.62	1.93
0416LF	2x1-1/2x1	2.0984	1.77	1.39	1.93
0429LF	2x1-1/4x2	2.4675	2.12	1.94	2.12
0444LF	2x1x2	2.5566	2.12	2.02	2.12
0457LF	2x3/4x2	1.83	2.12	2.02	2.12
0458LF	2x3/4x1-1/2	1.830	2.44	2.25	2.25
0520LF	2-1/2	4.5564	2.7	2.7	2.7
0531LF	2-1/2x2-1/2x2	4.0875	2.39	2.39	2.6
0532LF	2-1/2x2-1/2x1-1/2	3.755	2.44	2.44	2.63
0533LF	2-1/2x2-1/2x1-1/4	3	2.04	2.04	2.45
0534LF	2-1/2x2-1/2x1	2.9833	1.87	1.87	2.37
0535LF	2-1/2x2-1/2x3/4	3.0766	1.74	1.74	2.32
0548LF	2-1/2x2x2-1/2	4.18	2.7	2.6	2.7
0549LF	2-1/2x2x2	2.829	2.39	2.25	2.6
0564LF	2-1/2x1-1/2x2	3.515	2.7	2.51	2.7
0650LF	3	6.705	3.08	3.08	3.08
0662LF	3x3x2-1/2	6.45	2.83	2.83	2.99
0663LF	3x3x2	5.545	2.52	2.52	2.89
0664LF	3x3x1-1/2	5	2.29	2.29	2.8
0666LF	3x3x1	4.39	2	2	2.66
0678LF	3x2-1/2x2-1/2	5.97	2.7	2.83	2.99
0693LF	3x2x3	6.14	3.08	2.89	3.08
0695LF	3x2x2	3.4025	2.52	2.25	2.89
0780LF	3-1/2	8.2396	3.32	3.32	3.32
0860LF	4	11.353	3.79	3.79	3.79
0872LF	4x4x2	8	2.74	2.74	3.41
0975LF	5	21.7	4.5	4.5	4.5
1100LF	6	33.66	5.13	5.13	5.13



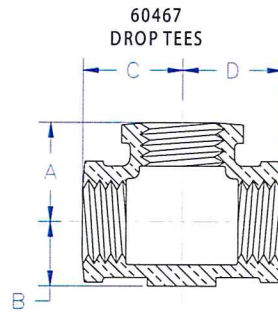
Domestic Cast Threaded Fittings

Lee Brass

60467 DROP TEES

125 lbs.

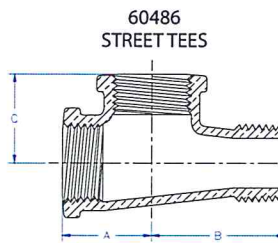
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C	DIM. D
0025LF	3/8	0.251	0.82	0.53	0.82	0.82



60486 STREET TEES

125 lbs.

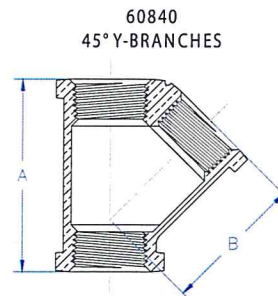
SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C
0025LF	3/8	0.2151	0.82	1.24	0.82
0050LF	1/2	0.27	1.01	1.48	1.01
0100LF	3/4	0.4587	1.18	1.65	1.18
0150LF	1	0.79	1.43	1.98	1.43
0215LF	1-1/4	1.34	1.69	2.24	1.69
0390LF	2	2.56	2.12	2.88	2.12



60840 45° Y-BRANCHES

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0002LF	1/4	0.1805	1.78	1.28
0025LF	3/8	0.23	1.78	1.28
0050LF	1/2	0.3023	2.19	1.58
0100LF	3/4	0.6466	2.62	1.9
0150LF	1	0.9733	3.18	2.33
0215LF	1-1/4	1.717	3.85	2.83
0295LF	1-1/2	2.201	4.24	3.14
0390LF	2	3.197	5	3.76
0520LF	2-1/2	6.39	6.25	4.73
0650LF	3	10.19	7.26	5.55



Domestic Cast Threaded Fittings

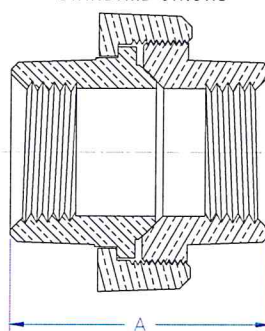
Lee Brass

61657 STANDARD UNIONS

125 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0002LF	1/4	0.15	1.44
0025LF	3/8	0.45	1.63
0050LF	1/2	0.4	1.81
0100LF	3/4	0.75	2
0150LF	1	1.15	2.19
0215LF	1-1/4	1.425	2.44
0295LF	1-1/2	2.02	2.63
0390LF	2	3.14	2.94

61657 STANDARD UNIONS

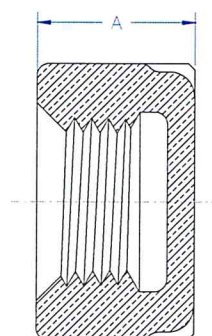


63155 EXTRA HEAVY CAPS

250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0050LF	1/2	0.2255	0.76
0100LF	3/4	0.373	0.84
0150LF	1	0.6	0.99
0215LF	1-1/4	1.05	1.1
0295LF	1-1/2	1.24	1.15
0390LF	2	2.0933	1.32

63155 EXTRA HEAVY CAPS

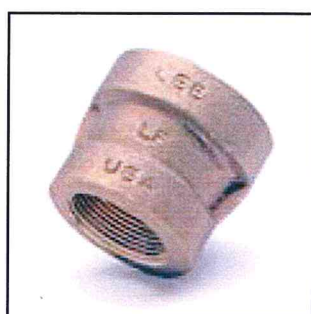
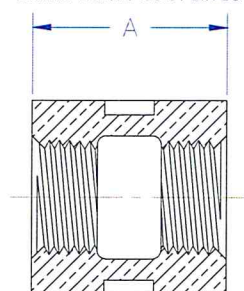


63165 EXTRA HEAVY COUPLINGS

250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A
0002LF	1/4	0.1457	1.06
0025LF	3/8	0.241	1.16
0050LF	1/2	0.3587	1.34
0100LF	3/4	0.5726	1.52
0107LF	3/4x1/2	0.45	1.36
0150LF	1	0.9117	1.67
0159LF	1x3/4	0.7048	1.7
0160LF	1x1/2	0.75	2
0215LF	1-1/4	1.37	1.93
0222LF	1-1/4x1	1.2183	2.13
0295LF	1-1/2	1.7948	2.15
0303LF	1-1/2x1-1/4	1.674	2.25
0304LF	1-1/2x1	1.45	2.25
0390LF	2	2.756	2.53
0398LF	2x1-1/2	2.3	2.32
0520LF	2-1/2	4.1	2.88
0531LF	2-1/2x2	3.4167	2.63

63165 EXTRA HEAVY COUPLINGS



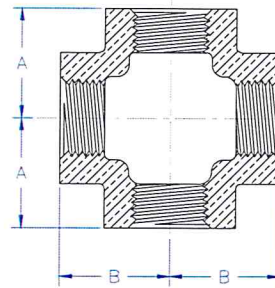
Domestic Cast Threaded Fittings

Lee Brass

63195 EXTRA HEAVY CROSSES 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0050LF	1/2	0.711	1.12	1.12
0100LF	3/4	1.236	1.31	1.31
0150LF	1	1.95	1.5	1.5
0215LF	1-1/4	2.92	1.75	1.75
0295LF	1-1/2	4.06	1.94	1.94
0390LF	2	5.75	2.25	2.25

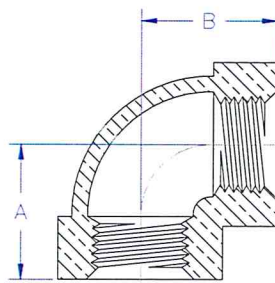
63195
EXTRA HEAVY CROSSES



63235 EXTRA HEAVY ELBOWS 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0002LF	1/4	0.167	0.81	0.81
0025LF	3/8	0.291	0.95	0.95
0050LF	1/2	0.4737	1.12	1.12
0100LF	3/4	0.6703	1.31	1.31
0150LF	1	1.312	1.5	1.5
0215LF	1-1/4	1.812	1.75	1.75
0295LF	1-1/2	2.595	1.94	1.94
0390LF	2	3.536	2.25	2.25
0520LF	2-1/2	5.575	2.7	2.7
0650LF	3	8.2	3.08	3.08

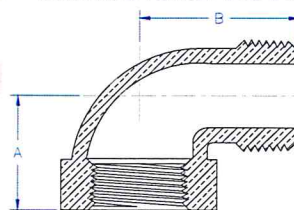
63235
EXTRA HEAVY ELBOWS



63254 EXTRA HEAVY STREET ELBOWS 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0150LF	1	0.8485	1.43	1.98
0295LF	1-1/2	2.1002	1.84	2.46

63254
EXTRA HEAVY STREET ELBOWS



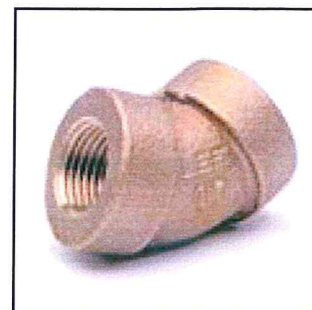
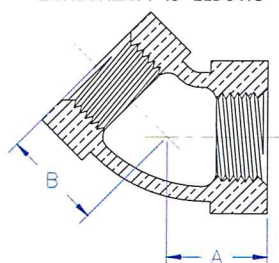
Domestic Cast Threaded Fittings

Lee Brass

63290 EXTRA HEAVY 45° ELBOWS 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0050LF	1/2	0.4	0.88	0.88
0100LF	3/4	0.611	0.98	0.98
0150LF	1	0.9592	1.12	1.12
0215LF	1-1/4	1.54	1.29	1.29
0295LF	1-1/2	2.1035	1.43	1.43
0390LF	2	3.205	1.68	1.68
0520LF	2-1/2	5	1.95	1.95
0650LF	3	7.250	2.17	2.17

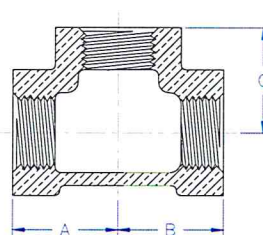
63290
EXTRA HEAVY 45° ELBOWS



63460 EXTRA HEAVY TEES 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C
0002LF	1/4	0.209	0.81	0.81	0.81
0025LF	3/8	0.354	0.95	0.95	0.95
0050LF	1/2	0.64	1.12	1.12	1.12
0059LF	1/2x1/2x1/4	0.51	0.87	0.87	0.87
0100LF	3/4	1.048	1.31	1.31	1.31
0150LF	1	1.556	1.5	1.5	1.5
0159LF	1x1x3/4	1.3	1.37	1.37	1.45
0160LF	1x1x1/2	1.155	1.26	1.26	1.36
0180LF	1x1/2x1	1.0646	1.5	1.38	1.5
0215LF	1-1/4	2.432	1.75	1.75	1.75
0224LF	1-1/4x1-1/4x1/2	1.6308	1.33	1.33	1.53
0295LF	1-1/2	3.15	1.94	1.94	1.94
0390LF	2	5.05	2.25	2.25	2.25
0402LF	2X2X1/2	7.55	1.49	1.49	1.88
0520LF	2-1/2	7.55	2.7	2.7	2.7
0860LF	4	19	3.79	3.79	3.79

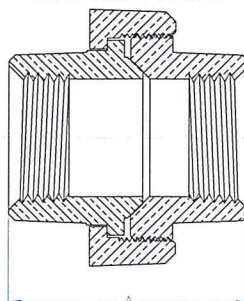
63460
EXTRA HEAVY TEES



64657 EXTRA HEAVY UNIONS 250 lbs.

SIZE CODE	NOMINAL SIZE	PKG. QTY.	APPROX NET WT.	DIM. A
0002LF	1/4	150	0.35	1.56
0025LF	3/8	100	0.5	1.75
0050LF	1/2	50	0.66	2
0100LF	3/4	40	1.05	2.125
0150LF	1	40	1.65	2.44
0215LF	1-1/4	20	2.356	2.69
0295LF	1-1/2	20	2.95	2.81
0390LF	2	10	3.95	3.18
0520LF	2-1/2	5	5.65	3.62
0650LF	3	5	8.8	3.69

64657
EXTRA HEAVY UNIONS



Domestic Cast Threaded Fittings

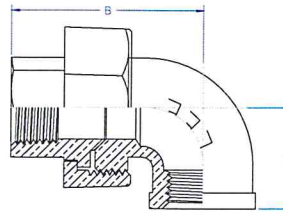
Lee Brass

64668 EXTRA HEAVY UNION ELBOWS 250 lbs.

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B
0025LF	3/8	0.66	0.94	2.125
0050LF	1/2	0.85	1.125	2.31
0100LF	3/4*	1.55	1.31	2.56
0150LF	1	1.95	1.5	2.94
0215LF	1-1/4	2.95	2.04	3.7
0295LF	1-1/2	3.9	1.94	3.62
0390LF	2*	5.2	2.25	4.12

*Elbows on these unions sizes are 125 class

64668
EXTRA HEAVY UNION ELBOWS



Domestic Cast Threaded Flanges

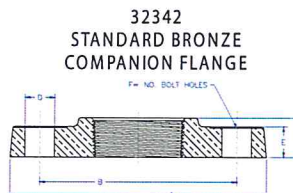
In addition to various specialty flanges, Lee manufactures a complete line of standard flanges as listed below:

150# and 300# threaded flange dimensions (including blind flanges) conform to ANSI B16.24. Consult factory for quotations on all other flanges.

32342 STANDARD BRONZE COMPANION FLANGE* 150 lb

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F
0050LF	1/2	0.97	3.5	2.38	0.59	0.63	0.31	4
0100LF	3/4	1.36	3.88	2.75	0.63	0.63	0.34	4
0150LF	1	1.78	4.25	3.12	0.69	0.63	0.38	4
0215LF	1-1/4	2.11	4.63	3.5	0.81	0.63	0.41	4
0295LF	1-1/2	2.86	5	3.88	0.88	0.63	0.44	4
0390LF	2	4.304	6	4.75	1	0.75	0.5	4
0520LF	2-1/2	6.72	7	5.5	1.12	0.75	0.56	4
0650LF	3	8.535	7.5	6	1.19	0.75	0.63	4
0860LF	4	12.41	9	7.5	1.31	0.75	0.69	8
0975LF	5	13.83	10	8.5	1.44	0.88	0.75	8
1100LF	6	18.2	11	9.5	1.56	0.88	0.81	8

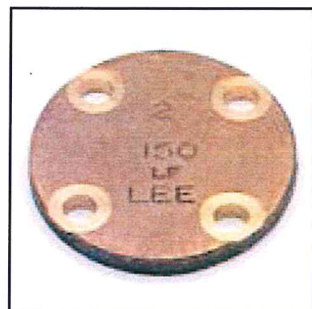
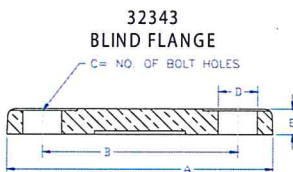
*Steam 150 lbs./sq. in., Non-shock cold WOG 225 lbs.



32343 BLIND FLANGE* 150 lb

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E
0390LF	2	4.1333	6	4.75	4	0.75	0.5
0520LF	2-1/2	7.0800	7	5.5	4	0.75	0.56
0650LF	3	8.9400	7.5	6	4	0.75	0.63
0860LF	4	13.9700	9	7.5	8	0.75	0.69
0975LF	5	18.0100	10	8.5	8	0.88	0.75
1100LF	6	25.1667	11	9.5	8	0.88	0.81

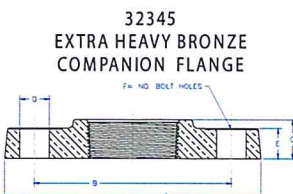
*Steam 150 lbs./sq. in., Non-shock cold WOG 225 lbs.



32345 EXTRA HEAVY BRONZE COMPANION FLANGE* 300 lb

SIZE CODE	NOMINAL SIZE	APPROX NET WT.	DIM. A	DIM. B	DIM. C	DIM. D	DIM. E	DIM. F
0295LF	1-1/2	6.1600	6.12	4.5	0.88	0.88	0.69	4
0390LF	2	6.5500	6.5	5	1	0.75	0.78	8
0520LF	2-1/2	8.6400	7.5	5.88	1.12	0.88	0.81	8
0650LF	3	12.6600	8.25	6.63	1.19	0.88	0.9	8
0860LF	4	20.4412	10	7.88	1.31	0.88	1.09	8

*Steam 300 lbs./sq. in., Non-shock cold WOG 500 lbs.



Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

Print or type See Specific Instructions on page 2.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. CIMSCO, INC.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification; check only one of the following seven boxes: <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input checked="" type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ Note. For a single-member LLC that is disregarded, do not check LLC; check the appropriate box in the line above for the tax classification of the single-member owner. <input type="checkbox"/> Other (see instructions) ▶	
	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) Exemption from FATCA reporting code (if any) (Applies to accounts maintained outside the U.S.)	
	5 Address (number, street, and apt. or suite no.) 1840 L&A ROAD	
	6 City, state, and ZIP code METAIRIE, LOUISIANA 70001	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)	
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3.	
Note. If the account is in more than one name, see the instructions for line 1 and the chart on page 4 for guidelines on whose number to enter.	
Social security number	Employer identification number
<div> </div> <div> </div> <div> </div> <div> </div> <div> </div> <div> </div>	<div>7</div> <div>2</div> <div>-</div> <div>0</div> <div>5</div> <div>0</div> <div>9</div> <div>5</div> <div>0</div> <div>6</div>

Part II Certification	
Under penalties of perjury, I certify that:	
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and	
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and	
3. I am a U.S. citizen or other U.S. person (defined below); and	
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.	
Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.	

Sign Here	Signature of U.S. person ▶ CHRISTEN C RIVIERE	Date ▶ 3/20/17
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. Information about developments affecting Form W-9 (such as legislation enacted after we release it) is at www.irs.gov/fw9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following:

- Form 1099-INT (interest earned or paid)
- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)

- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

- If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding?* on page 2.
- By signing the filled-out form, you:
1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued).
 2. Certify that you are not subject to backup withholding, or
 3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
 4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting?* on page 2 for further information.



Bid Number 50-00119963

**ONE (1) YEAR CONTRACT FOR THE SUPPLY OF BRONZE FITTINGS FOR
THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS, ALL WATER
DISTRICTS, AND ALL JEFFERSON PARISH AGENCIES AND
MUNICIPALITIES**

BID DUE: JUNE 29, 2017 AT 2:00 PM

ATTENTION VENDORS!!!

**Please review all pages and respond accordingly, complying with all provisions
in the technical specifications and Jefferson Parish Instructions for Bidders and
General Terms and Conditions. All bids must be received in the Purchasing
Department by the bid due date and time.**

**Jefferson Parish Purchasing Department
200 Derbigny Street
General Government Building, Suite 4400
Gretna, LA 70053**

**Buyer Name: Misty A. Camardelle
Buyer Email: mcamardelle@jeffparish.net
Buyer Phone: 504-364-2683**

ONE (1) YEAR CONTRACT FOR A SUPPLY OF BRONZE FITTINGS, FOR THE JEFFERSON PARISH DEPARTMENT OF PUBLIC WORKS- ALL WATER DISTRICTS AND ALL JEFFERSON PARISH AGENCIES AND MUNICIPALITIES

Items Included In This Contract:

- GROUP 1. Adapters ($\frac{3}{4}$ " Through 2")
- GROUP 2. Bushing (Brass Alloy) (Inlet $\frac{3}{4}$ " To 2" ; Outlet $\frac{1}{2}$ " To 2"):
- GROUP 3. Connectors (Yoke Box Expansion)
- GROUP 4. Corporation Stops
- GROUP 5. Meter Couplings
- GROUP 6. Coupling Unions
- GROUP 7. Curb Stop Ball Valve
- GROUP 8. Ell Couplings
- GROUP 9. Nut Pack Joints
- GROUP 10. Brass Plugs
- GROUP 11. Tees (Pack Joint Compression Type)
- GROUP 12. Meter Ball Valves
- GROUP 13. Wyes (Y)
- GROUP 14. Blind Gaskets
- GROUP 15. Gasket Rings
- GROUP 16. Gasket Drop Ins for 2" Flanged (Oval) Water Meters
- GROUP 17. Bushings (Domestic Bronze)
- GROUP 18. Caps (Female Iron Pipe Thread)
- GROUP 19. Caps (Female Iron Pipe Threads) ($\frac{3}{4}$ " through 2")
- GROUP 20. Cross Of Female Iron Pipe Thread (1" And 2")
- GROUP 21. Elbows (Female Iron Pipe Thread)
- GROUP 22. Nipples (All Male Pipe Thread)
- GROUP 23. Reducers
- GROUP 24. Tees (All Female Pipe Threads)
- GROUP 25. Unions (All Female Pipe Threads)

Contract Terms:



This is a one (1) year contract for a supply of bronze fittings, for the Jefferson Parish Department of Public Works- all Water districts and all Jefferson Parish agencies and municipalities.

Warranty:

Products shall be warranted that they are manufactured in accordance with the applicable material specifications and are free from defects in workmanship and materials for one year after delivery. Any defective items sold under this contract shall be replaced at no cost to the purchaser.

General Specifications:

This specification is prepared for the acquisition of various types of bronze/brass fittings, which are used for waterline construction and maintenance by the Parish of Jefferson.

 Technical literature must be submitted with the bid. Failure to honor such request will result in the bid being considered non-responsive. 

All items in this bid must be of domestic United States manufacture and meet all criteria set forth by AWWA, ASTM, ANSI and federal and as specified hereafter.

Bidder must state the manufacture and model/catalog numbers of all items specified in this proposal.

The quantities shown on the proposal guide are approximate quantities to be acquired by Jefferson parish over a one (1) year period. Actual usage will be on an "as needed" basis.

Bid delivery shall include all freight and delivery costs to Jefferson Parish warehouse locations on the East and West Banks of Jefferson Parish.

Technical Specifications:

All bronze fittings shall be **low lead** brass and shall be made of heavy brass alloy 89833 per ASTM B62-09 and ASTM B584-09 (or latest revision) and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure.

GROUP 1. Adapter (¾" To 2"):

Adapter shall be available in sizes of ¾" to 2". Adapter shall have an inlet of "pack joint" compression with clamping set screw, and an outlet of either female or male iron pipe. Adapter shall be made of heavy brass alloy 89833 per ASTM B62-09 and ASTM B584-09 (or latest revision) and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure.

GROUP 2. Bushing (Brass Alloy) (Inlet ¾" To 2" ; Outlet ½" To 2"):

Bushings shall be of the reducing kind with an inlet of CC/AWWA male taper threads and outlets of female CC/AWWA taper threads. Bushings shall be made of heavy brass

alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications.

- **Bushing (Adapter):**

Bushing adapter shall be of the reducing kind with an inlet of CC/AWWA male taper threads and outlet of female national pipe threads.

GROUP 3. Connecters (Yoke Box Expansion):

Connector shall be made of heavy brass alloy 89833 per ASTM B62-09 and ASTM B584-05 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Connector yoke box expansion shall be standard/hand wheel and to have an inlet of female meter threads with an outlet of male yoke connection for a $\frac{5}{8}$ "x $\frac{3}{4}$ " meter.

GROUP 4. Corporation Stops:

Corporation stops shall be made of heavy brass alloy per 89833 ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure.

- **Joint Compression Fitting (CC/AWWA):**

Corporation stop shall have an inlet of CC/AWWA male taper threads and an outlet of pack joint compression fitting with clamping set screw to have large raised rectangular keyway. Corporation stops shall be available in sizes from $\frac{3}{4}$ " to 2".

- **Female Iron Pipe Threads (CC/AWWA):**

Corporation stop shall be with inlet of CC/AWWA male taper threads and outlets of female iron pipe threads, have large raised rectangular keyway, and range in sizes $\frac{3}{4}$ " to 2".

GROUP 5. Meter Couplings:

Meter coupling shall be made of heavy brass alloy per 89833 ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800 specifications with a 250 psi working pressure.

- **Female Iron Pipe Threading:**

Coupling meters shall have an inlet of female threaded meter nut coupler with an outlet of female iron pipe threading. Coupling meter shall be available in meters sizes of $\frac{3}{4}$ ", 1", and 2".

- **Male Iron Pipe Threading:**

Coupling meters shall have an inlet of female threaded meter nut coupler with an outlet of male iron pipe threading. Coupling meter shall be available in meter sizes of $\frac{3}{4}$ ", 1", and 2".

- **Oval Meter Flange (Female):**
Coupling meters shall have an inlet of oval meter flange and outlet of female iron pipe. Coupling meter shall be 2".
- **Oval Meter Flange (Male):**
Coupling meter shall have an inlet of oval meter flange and outlet of male iron pipe. Coupling meter shall be 2".
- **Oval Meter Flange (Pack Joint Compression):**
Coupling meters shall be oval meter flange with an outlet of pack joint compression type fitting with clamping set screw and shall be available in 2".
- **Pack Joint Compression (Female):**
Coupling meters shall have an inlet of female threaded meter nut coupler with an outlet of pack joint compression type fitting with clamping set screw. Coupling meter shall be available in sizes of ¾" to 2".
- **Pack Joint Compression (Male):**
Coupling meters shall have an inlet of male threaded meter nut coupler with an outlet of pack joint compression type fitting with clamping set screw. Coupling meter shall be available in sizes of ¾" to 2".

GROUP 6.**Coupling Union:**

Coupling union shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Coupling union shall have an inlet and outlet of "pack joint" compression with clamping set screw. Coupling union shall be available in sizes ranging from ¾" to 2".

- **Coupling (Reducer):**
Coupling union (reducer) shall have an inlet and outlet "pack joint" compression with clamping set screw with ¾" PJ on one end and 1" PJ on the other.
- **Coupling/Adapter:**
Coupling/adapter shall be an inlet of "pack joint" compression fitting with clamp set screw for PE tubing, and an outlet of "pack joint" compression fitting with clamping set screw and gasket for IP pipe.
- **Union/Adapter:**
Coupling (union/adapter) shall be an inlet of "pack joint" compression fitting with clamping set screw and gasket for PE tubing, and an outlet of "pack joint" compression fitting with clamping set screw and gasket for IP pipe. Couplings (union/adapter) shall be available in sizes ¾", 1", and 2".

GROUP 7. Curb Stop Ball Valves:

Curb stop ball valve shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure.

- **Female Iron Pipe Threads (Inlet/Outlet):**

Curb stop ball valve shall have an inlet and outlet of female iron pipe threads and to have large raised rectangular key way with pad lock wings. Available sizes shall be ¾", 1", and 2".

- **Pack Joint Compression Type:**

Curb stop ball valve shall have an inlet and outlet of pack joint compression type fitting with clamping set screw and to have large raised rectangular key way with padlock wings. Available sizes shall be ¾", 1", and 2".

- **Pack Joint Compression Type Inlet:**

Curb stop ball valve shall have an inlet of pack joint compression type fitting with clamping set screw and an outlet of female iron pipe. Curb stop ball shall have large raised rectangular key way with padlock wings.

GROUP 8. Ell Couplings:

Ell couplings shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Ells shall have an inlet and outlet of "pack joint" compression with clamping set screw with available sizes of ¾", 1", and 2".

- **Ell Coupling (Adapter):**

Ell coupling (adapter) shall have an inlet of "pack joint" compression with clamping set screw and an outlet of female iron pipe. Ell (adapter) shall also be available with an outlet of male iron pipe. Available sizes shall be ¾", 1", and 2".

- **Ell Meter:**

Ell meter shall have an inlet of threaded meter nut coupler with an outlet of female iron pipe. Ell meter shall also be available with an outlet of male iron pipe and "pack joint" compression with clamping set screw. Available sizes shall fit ¾" and 1" meters.

GROUP 9. Nut Pack Joints:

Nut pack joints shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Nut shall be fit a pack joint with clamping set screw and gasket. Available sizes shall be ¾", 1", and 2".

GROUP 10. Brass Plugs:

Brass plug shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Brass plug shall have inlet of CC/AWWA male taper threads and shall have a raised square wrench head nut. Available sizes shall be ¾", 1", and 2" male CC.

GROUP 11. Tees (Pack Joint Compression Type):

Tee shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Tee inlet "run" and outlet "branch" shall be of "pack joint compression type fitting with clamping set screw. Available sizes for "run" and "branch" shall be ¾", 1", and 2" PJ.

- **Tee (Multi Service):**

Tee shall have and inlet of female iron pipe and outlet of six (6) female iron pipe, with 1-2" FIP (bottom) x 6-1" FIP (perimeter).

GROUP 12. Meter Ball Valves:

Valve meter ball valve shall be made of heavy brass alloy 89833 per ASTM B62 and ASTM B584 and shall meet or exceed AWWA C800-05 specifications with a 250 psi working pressure. Valve meter ball valve shall have an inlet of pack joint compression type fitting with clamping set screw and outlet of female meter nut coupler with a raised rectangular key way with padlock wings. Ball valve shall be available for meter sizes of ¾", 1", and 2".

- **Meter Ball Valve (90°):**

Valve meter ball valve (90°) shall have an inlet of pack joint compression type fitting with clamping set screw and outlet of female meter nut coupler with a raised rectangular key way with padlock wings. Ball valve shall be available for meter sizes of ¾", 1", and 2".

GROUP 13. Wyes:

All wyes shall be bronze and conform to AWWA standard C800-05 (ASTM B-62 and ASTM B-584)

- **Multi-Service Wyes (FIP X 4-FIP):**

Wyes shall have and inlet of female iron pipe and outlets of female iron pipe. Size of inlet shall be 2" and the size of the outlets shall be 1".

- **Wye (2-MIP x MIP):**

Wyes shall have two inlets of male iron pipe and an outlet of male iron pipe. Size of the inlets shall be ¾" and the outlet shall be 1".

- **Wye (PJ x 2-PJ):**

Wyes shall have an inlet and two outlets of pack joint compression type fitting with clamping set screw. Size of the inlet shall be 1" and the outlets shall be $\frac{3}{4}$ ".

GROUP 14. Blind Gaskets:

Blind gasket shall be made of vulcanized fiber material for use in potable water. Gaskets shall be available to fit $\frac{3}{4}$ " and 1" meters.

- **Blind Gasket ($\frac{3}{4}$ " Meter):**

Blind gasket shall be made of vulcanized fiber material for use in potable water. Dimensions shall be 1-5/32" OD by 1/16" thick.

- **Blind Gaskets (1" Meter):**

Blind gasket shall be made of vulcanized fiber material for use in potable water. Dimensions shall be 1-1/2" OD by 1/16" thick.

GROUP 15. Gasket Rings:

- **Gasket Rings (Fiber- $\frac{3}{4}$ " Meter):**

Gasket ring shall be made of vulcanized fiber material for use on potable water. Dimensions shall be 1-5/32" OD by 23/32" ID by 1/6" thick.

- **Gasket Rings (Fiber-1" Meter):**

Gasket ring shall be made of vulcanized fiber material for use on potable water. Dimensions shall be 1- $\frac{1}{2}$ " OD by 1" ID by 1/16" thick.

- **Gasket Rings ($\frac{3}{4}$ " Meter Coupling):**

Gasket ring shall be made of vulcanized fiber material for use on potable water. Dimensions shall be 1-5/32" OD by 25/32" by $\frac{1}{8}$ " thick.

- **Gasket Rings (1" Meter Coupling):**

Gasket ring shall be made of vulcanized fiber material for use on potable water. Dimensions shall be 1- $\frac{1}{2}$ " by 1" ID by $\frac{1}{8}$ " thick.

- **Gasket Rings ($\frac{3}{4}$ " Yoke Box):**

Gasket ring for a $\frac{3}{4}$ " yoke box expansion connector shall be made of neoprene material for use on potable water. Dimensions shall be 1-11/32" OD by 26/32" ID by $\frac{1}{8}$ " thick.

GROUP 16. Gasket Drop Ins For 2" Flanged (Oval) Water Meter:

Drop in gasket shall be made of two-ply neoprene material for use on potable water. Dimensions shall be 3-15/16" OD by 2- $\frac{1}{4}$ " ID by $\frac{1}{8}$ " thick with ears to set on top of flange bolts.

GROUP 17. Bushings (Domestic Bronze):

Bushing shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water.

- **Bushings (1" x ¾"):**

Bushing shall have an inlet of male iron pipe thread and an outlet of female iron pipe thread.

- **Bushings (2"x 1"):**

Bushing shall have an inlet of male iron pipe thread and an outlet of female iron pipe thread.

GROUP 18. Caps (Female Iron Pipe Thread):

Caps shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-p-460 for 125 pound threaded fittings to be air tested under water. Available sizes shall be ¾", 1", and 2".

GROUP 19. Couplings (Female Iron Pipe Thread):

Couplings shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Available sizes shall be ¾", 1", and 2".

GROUP 20. Crosses (Female Iron Pipe Thread):

Crosses shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Available sizes shall be ¾", 1", and 2".

GROUP 21. Elbows (Female Iron Pipe Thread):

Elbows shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Elbows shall be available in 45° and 90° bends. Available sizes shall be ¾", 1", and 2".

- **Street Elbows (Female Iron Pipe Thread):**

Street elbow shall have female iron pipe thread on one end and male iron pipe on the other. Elbows shall be available in 45° and 90° bends. Available sizes shall be ¾", 1", and 2".

GROUP 22. Nipples:

Nipples shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Nipples

shall be available in all male iron pipe thread. Available in sizes close, $\frac{3}{4}$ ", 1", 2", 3", and 4".

GROUP 23. Reducers:

Reducers shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Reducers shall be available in all female iron pipe thread. Available sizes shall be $\frac{3}{4}$ ", 1", and 2".

GROUP 24. Tees (Female Iron Pipe Threads):

Tees shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Tees shall be available in all female iron pipe thread. Available sizes shall be $\frac{3}{4}$ ", 1", and 2".

GROUP 25. Unions:

Unions shall be domestic bronze fittings to meet or exceed ANSI B16.15, ANSI B2.1, and fed. WW-P-460 for 125 pound threaded fittings to be air tested under water. Unions shall be available in all female iron pipe threads. Available sizes shall be $\frac{3}{4}$ ", 1", and 2".

DATE: 6/14/2017

INVITATION TO BID
THIS IS NOT AN ORDER

Page: 1

BID NO.: 50-00119963

JEFFERSON PARISH

PURCHASING DEPARTMENT
P.O. BOX 9
GRETN, LA. 70054-0009
504-364-2678

BUYER: MCamardelle@jeffparish.net

BIDS WILL BE RECEIVED IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETN, LA 70053 UNTIL 2:00 PM, 6/29/2017 AND PUBLICLY OPENED THEREAFTER.

For convenience, bidders may also submit bids in the East Bank Purchasing Department, Suite 404, Jefferson Parish Joseph S. Yenni Building, 1221 Elmwood Park Blvd., Jefferson LA 70123. However, if submitting bids on the day of bid opening, bidders must submit at the West Bank location only. All bids will be publicly opened at the West Bank location.

At no charge, bidders may also submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

Unless submitting via online (see Page 3), each bid must be submitted in a sealed envelope bearing on the outside; the name of the Bidder, his address, and the name of the project for which the bid is submitted and the bid number.

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from <http://purchasing.jeffparish.net> and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Further, a current W-9 form and respective Tax Identification number must be supplied upon contract execution, should you be awarded a contract and/or issued purchase order. Failure to do so may result in delay of payment.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing and fax them to the Purchasing Department at (504) 364-2693 no later than FIVE (5) working days prior to bid opening. Bid numbers should be mentioned in all requests. Questions may also be emailed to the buyer for this bid at the email address listed above. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Visit our website at [HTTP://PURCHASING.JEFFPARISH.NET](http://PURCHASING.JEFFPARISH.NET)

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website <http://purchasing.jeffparish.net> or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submitted a bid in response to this solicitation may submit a protest in writing to the Director of the Purchasing within 48 hours of bid opening. The Purchasing Director will review it in connection with the Parish Attorney's Office which will then respond in writing as soon as possible.

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.

C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and Parish taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online. This is a secure site and authorized personnel have limited read access only. Bidders are encouraged to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at <http://purchasing.jeffparish.net>.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 dated 12/09/09. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at <http://purchasing.jeffparish.net> and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE
CORRESPONDING INSTRUCTIONS BELOW.

10, 12, 13, 15

1. All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the project.
2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.
4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid envelope. Failure to comply will cause the bid to be rejected. Additionally if submitting the bid electronically, then the license number must be entered in the appropriate field in the Electronic Procurement system. Failure to comply will cause the bid to be rejected.
5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precautions must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

7. **PUBLIC WORKS BIDS:** All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise stated in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
8. **NON-PUBLIC WORKS BIDS:** A performance bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the contract.
9. **NON-PUBLIC WORKS BIDS:** A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
10. Unless otherwise stated in the bid specifications, the successful bidder will be required to procure standard insurance policies evidencing Parish-mandated insurance requirements as indicated on the attached "insurance requirements" sheet. All bidders must comply with the instructions in this sheet. Failure to comply will cause bid to be rejected.
11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. Acceptable forms shall be limited to cashier's check, certified check, or surety bid bond. All sureties must be in original format (no copies). If submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations or warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
14. **PUBLIC WORKS BIDS - Completed, Signed and Properly Notarized Affidavits Required;** This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
15. **NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required** in conformity with the provisions contained in LSA - RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.
16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment"). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owned on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session - Louisiana Revised Statute 47:301(8)(c). Owner will furnish contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to Jefferson Parish Code of Ordinances Section 2-155.10(19). By submitting a bid, vendor acknowledges this and will abide by all provisions of the referenced Jefferson Parish Code of Ordinances.