



ST. TAMMANY PARISH

PATRICIA P. BRISTER
PARISH PRESIDENT

April 27, 2018

Please find the following addendum to the below mentioned BID.

Addendum No.:2

Bid#: 622-10-18-24-2

Project Name: Sewer and Water Appurtenances

Bid Due Date: Thursday, May 10th, 2018

GENERAL INFORMATION:

- 1. Please note that the Bid Opening has been pushed to Thursday, May 10, 2018. The time and location remain the same. The last day to submit written inquiries is Tuesday, May 1, 2018 at 2:00 P.M.**
- 2. The Parish has revised the Approved Brand or Equal for Bid Ref No. SWA-3002. The Approved Brand or Equal is Clow.**

QUESTIONS & ANSWERS:

Question 1: With the addition of other accepted manufacturers would you consider extending the opening? It will take a few days to get pricing requests back.

Answer 1: **The Bid Opening has been pushed to Thursday, May 10, 2018. The time and location remain the same. The last day to submit written inquiries is Tuesday, May 1, 2018 at 2:00 PM.**

Question 2: SWA-3002 is for a Clow Hydrant.

Answer 2: **The approved brand or equal for SWA-3002 has been changed from Mueller to Clow or an approved equal.**

<< End of Addendum #2 >>



ST. TAMMANY PARISH

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PARISH PRESIDENT

April 26, 2018

Please find the following addendum to the below mentioned BID.

Addendum No.:1

Bid#: 622-10-18-24-2

Project Name: Sewer and Water Appurtenances

Bid Due Date: Tuesday, May 1st, 2018

GENERAL INFORMATION:

1. The following items have been approved as equals:

CATEGORY	BID REF NO.	APPROVED EQUAL BRAND	APPROVED EQUAL MAKE/MODEL
ALUMINUM CAMLOCKS	SWA-0001	Seal Fast	Item # A 200AL 2"
	SWA-0002	Seal Fast	Part # C200AL 90 2"
	SWA-0003	Seal Fast	Item # E 200 AL 2"
	SWA-0004	Seal Fast	Item #F 200 AL 2"
	SWA-0006	Seal Fast	Item # A 200AL 3"
	SWA-0007	Seal Fast	Item # C 300AL 3"
	SWA-0008	Seal Fast	Part # C300AL90 3"
	SWA-0009	Seal Fast	Item #D 300AL 3"
	SWA-0010	Seal Fast	Item # A 200AL 4"
	SWA-0011	Seal Fast	Item #B 400AL 4"
	SWA-0012	Seal Fast	Item #D 300AL 4"
	SWA-0013	Seal Fast	Item # F 200AL 4"



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COMPRESSION FITTINGS	SWA-1001	Ford Meter Box Co.	Model # C84-34-Q-NL	
	SWA-1002	Ford Meter Box Co.	Model # L44-77-Q-NL	
	SWA-1005	Ford Meter Box Co.	Model # C38-23-2-5-NL	
	SWA-1006	Ford Meter Box Co.	Model # F1000-4-Q-NL	
	SWA-1007	Ford Meter Box Co.	Model # T444-444-Q-NL	
	SWA-1008	Ford Meter Box Co.	Model # C44-44-Q-NL	
	SWA-1009	Ford Meter Box Co.	Model #C84-44-Q-NL	
	SWA-1010	Ford Meter Box Co.	Model # L-44-44-Q-NL	
	SWA-1011	Ford Meter Box Co.	Model # C84-34-Q-NL	
	SWA-1012	Ford Meter Box Co.	Model # C14-77-Q-NL	
	SWA-1013	Ford Meter Box Co.	Model # C84-77-Q-NL	
	SWA-1014	Ford Meter Box Co.	Model # FB1100-7-Q-NL	
	SWA-1015	Ford Meter Box Co.	Model # C44-77-Q-NL	
	SWA-1016	Ford Meter Box Co.	Model # F1000-3-Q-NL	
	SWA-1017	Ford Meter Box Co.	Model #C44-33-Q-NL	
	SWA-1018	Ford Meter Box Co.	Model #C14-33-Q-NL	
	SWA-1019	Ford Meter Box Co.	Model #C84-33-Q-NL	
	GATE AND/OR METER VALVES	SWA-2001	MATCO NORCA	521LF (#521T07LF/521C07LF)
		SWA-2002	MATCO NORCA	514LF (#514T05LF/514C05LF)
SWA-2006		MATCO NORCA	514LF (#514T09LF/#514C09LF)	
SWA-2007		MATCO NORCA	759LF 2"	
SWA-2008		MATCO NORCA	514LF (#514T08LF/#514C08LF)	
SWA-2009		MATCO NORCA	521LF (#521T10LF/521C10LF)	
SWA-2010		MATCO NORCA	514LF (#514T10LF/#514C10LF)	
SWA-2013		MATCO NORCA	759LF 3"	
SWA-2014		MATCO NORCA	514LF (#514T11LF/#514C11LF)	
MISC FITTING-PVC	SWA-4001	MEGALOC	Thread Sealant #15808 1 Pt.	



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MISC FITTINGS- BRASS	SWA-5007	Ford Meter Box Co.	Model # B11-334W-NL
	SWA-5010	Ford Meter Box Co.	Model #U48 -43-Q-NL
	SWA-5014	Ford Meter Box Co.	Model # B11-777W-NL
	SWA-5021	MATCO NORCA	521LF (#521T10LF/521C10LF)
	SWA-5025	Ford Meter Box Co.	Model #B11-333W-NL
	SWA-5026	Ford Meter Box Co.	Model # C38-23-2-5-NL
	SWA-5028	MATCO NORCA	521LF (#521T11LF/521C11LF)
MISC. PARTS- STEEL	SWA-7002	Star Pipe Products	PVS StarGrip Srs. 4000 Nom. 12"
		Ford Meter Box Co.	Model # UFR1500-12-1
	SWA-7011	Star Pipe Products	PVS StarGrip Srs. 4000 Nom. 3"
		Ford Meter Box Co.	Model # UFR1500-3-1
	SWA-7016	Ford Meter Box Co.	Model # UFR1500-4-1
		Star Pipe Products	PVS StarGrip Srs. 4000 Nom. 4"
	SWA-7030	Ford Meter Box Co.	Model # UFR1500-6-1
		Star Pipe Products	PVS StarGrip Srs.4000 Nom. 6"
	SWA-7035	Ford Meter Box Co.	Model # UFR1500-8-1
		Star Pipe Products	PVS StarGrip Srs. 4000 Nom. 8"
TAPPING SADDLES & SLEEVES	SWA-10001	Ford Meter Box Co.	Model # S70-204
	SWA-10003	Ford Meter Box Co.	Model # S71-304
	SWA-10004	Ford Meter Box Co.	Model # S70-304
	SWA-10006	Ford Meter Box Co.	Model # S70-404
	SWA-10007	Ford Meter Box Co.	Model # S71-407
	SWA-10008	Ford Meter Box Co.	Model # S70-407
	SWA-10009	Ford Meter Box Co.	Model # S71-604
	SWA-10010	Ford Meter Box Co.	Model # S70-604
	SWA-10011	Ford Meter Box Co.	Model # S71-607
	SWA-10012	Ford Meter Box Co.	Model # S70-607
	SWA-10013	Ford Meter Box Co.	Model # S71-804
	SWA-10014	Ford Meter Box Co.	Model # S70-804
	SWA-10015	Ford Meter Box Co.	Model # S71-807
	SWA-10017	Ford Meter Box Co.	Model # S70-1004
SWA-10019	Ford Meter Box Co.	Model # S70-S90-1007	



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TAPPING SADDLES & SLEEVES	SWA-10022	Ford Meter Box Co.	Model # S70-1204
	SWA-10024	Ford Meter Box Co.	Model # S70-S90-1207

2. The following item descriptions have been replaced as follows:
 - a. SWA-10018 – 10”x2” CC BRZ SADDLE CTS HDPE
 - b. SWA-10019 – 10”x2” CC BRZ SADDLE F/IP PVC

 - c. SWA-10021 – 12”x1” CC BRZ SADDLE CTS HDPE
 - d. SWA-10022 – 12”x1” CC BRZ F/IP PVC

3. The Parish has specified an Approved Brand or Equal for the following:
 - a. SWA-1005 – Ford (Model # C38-23-2-5-NL) or Mueller

QUESTIONS & ANSWERS:

Question 1: SWA-4002 & 4005...Please verify are duplicate parts. Both 1" Sch 40 SXS Couplings.

Answer 1: **Yes, SWA-4002 and SWA-4005 are duplicate line items.**

Question 2: SWA-4004...what kind of adapter?

Answer 2: **SWA-4004 is a Sch 40 Glue X thread adaptor.**

Question 3: SWA-4018/4035..what are you calling a sch 40 gasketed coupling?

Answer 3: **SWA-4018 and SWA-4035 are double bell slip repair couplings with gaskets on each end for slipping on to Sch 40 pipe.**

Question 4: SWA-4038...isthat an SOR Solvent Weld fitting?

Answer 4: **Yes, SWA-4038 is a glue fitting.**

Question 5: SWA-6005 ..What is material of meter box? Plastic/Iron?

Answer 5: **SWA-6005 material is plastic.**



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Question 6: SWA-7023/7024/7025 ...What material/coating on fasteners?

Answer 6: **SWA-7023, SWA-7024 and SWA-7025 are Corten Steel ASTM A242.**

Question 7: SWA-7037/7038...Please verify duplicate parts. Both 8 MJ Long Sleeve.

Answer 7: **Yes, SWA-7037 and SWA-7038 are duplicate line items.**

Question 8: SWA-10002/10005/10016/10019/10022..These appear to be duplicates of the lines directly up or down. Please clarify what "CTS" is supposed to mean in the description.

Answer 8: **SWA-10002, SWA-10005, SWA-10016, SWA-10019 and SWA-10022 are not duplicates of the lines either directly up or down.**

SWA-10001, SWA-10006, SWA-10015, SWA-10019 and SWA-10022 have "IP" in the Item description. It is for an "IP" saddle for Sch 40 PVC.

SWA-10002, SWA-10005, SWA-10016, SWA-10018 and SWA-10021 have "CTS" in the item description. It is for a "CTS" saddle. "CTS" indicates that it is for HDPE tubing.

Please see the General Information section for clarifications for items: SWA-10018, SWA-10019, SWA-10021 and SWA-10022.

Question 9: SWA-1005/5026 ...Same meter coupling?

Answer 9: **Yes, SWA-1005 and SWA-5026 are duplicate line items.**

Question 10: SWA-8028/8029 ...Same 2" Insert for CTS?

Answer 10: **Yes, SWA-8028 and SWA-8029 are duplicate line items.**



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Question 11: SWA-1001/1011...Same reducing male adapter?

Answer 11: Yes, SWA-1001 and SWA-1011 are duplicate line items.

ATTACHMENTS:

- 1. Approved Equal Specification Sheets 1 -28.pdf**

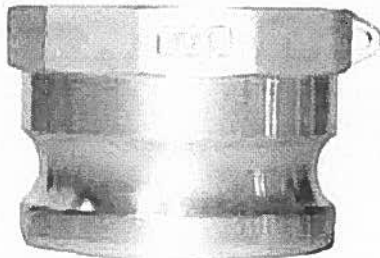
<< End of Addendum #1 >>

Aluminum Camlocks

Item # A 200AL, Seal Fast Cam and Groove - Female NPT x Male Adapter On Seal Fast,... Page 1 of 1

Seal Fast, Inc.
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Houston Texas 77020
Phone: 713.675.6324 • Fax: 713.675.0146
Email: sales@sealfast.com • Website: www.sealfast.com

[All Categories](#) > [Cam and Groove](#) > [Seal Fast Cam and Groove](#) > [Seal Fast Cam and Groove - Female NPT x Male Adapter](#) > [Item # A 200AL](#)



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Item # A 200AL, Seal Fast Cam and Groove - Female NPT x Male Adapter

Working Pressure recommendation is based on use of mating fittings at ambient temperature of 70° F with standard Buna-N Seal

Specifications

Size	2 in	SWA-0001
Material	356 T6 Aluminum	
Working Pressure	150PSI	

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3" SWA-0006

4" SWA-0010

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Item # E 200AL, Seal Fast Cam and Groove - Male Adapter x Hose Shank

- Working pressure Recommendation on use of mating fittings at ambient temperature of 70°F with standard Buna-N Seal
- Working pressures may vary determined are how the couplings are attached to the hose assembly
- Before operation, always check the hose assembly for proper attachment and that coupling are working order.

Specifications

Size	2 in	SWA-0003
Material	356 T6 Aluminum	
Working Pressure	150PSI	

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Item # F 200AL, Seal Fast Cam and Groove - Male Adapter x Male NPT

Working Pressue recommendation is based on use of mating fittings at ambient temperature of 70° F with standard Buna-N Seal

Specifications

Size	2 in
Material	356 T6 Aluminum
Working Pressure	150PSI

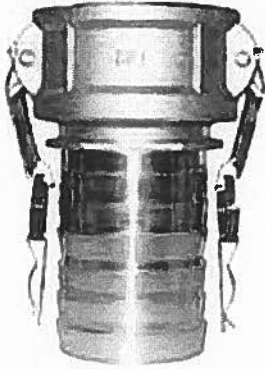
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4" SWA-0013

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[All Categories](#) > [Cam and Groove](#) > [Seal Fast Cam and Groove](#) > [Seal Fast Cam and Groove - Female Coupler x Hose Shank](#) > [Item # C 300AL](#)



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Item # C 300AL, Seal Fast Cam and Groove - Female Coupler x Hose Shank

- Working pressure Recommendation on use of mating fittings at ambient temperature of 70°F with standard Buna-N Seal
- Working pressures may vary determined are how the couplings are attached to the hose assembly
- Before operation, always check the hose assembly for proper attachment and that coupling are working order.

Specifications

Size	3 in
Material	356 T6 Aluminum
Working Pressure	150PSI
Handles	Brass
Pins	304 Stainless Steel
Gasket	Buna-N

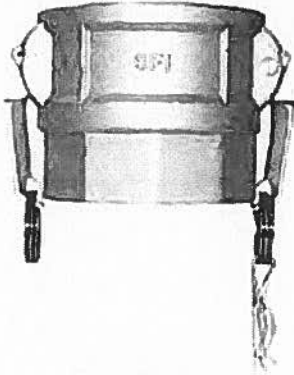
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[All Categories](#) > [Cam and Groove](#) > [Seal Fast Cam and Groove](#) > [Seal Fast Cam and Groove - Female Coupler x Female NPT](#) > Item # D 300AL



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Item # D 300AL, Seal Fast Cam and Groove - Female Coupler x Female NPT

Working Pressue recommendation is based on use of mating fittings at ambient temperature of 70° F with standard Buna-N Seal

Specifications

Size	3 in
Material	356 T6 Aluminum
Handles	Brass
Pins	304 Stainless
Gasket	Buna-N
Working Pressure	150PSI

SWA-0009

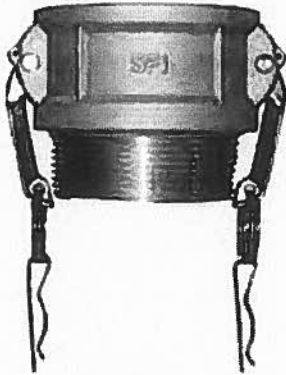
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4"

SWA-0012

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All Categories > Cam and Groove > Seal Fast Cam and Groove > Seal Fast Cam and Groove - Female Coupler x Male NPT > Item # B 400AL



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Item # B 400AL, Seal Fast Cam and Groove - Female Coupler x Male NPT

Working Pressue recommendation is based on use of mating fittings at ambient temperature of 70° F with standard Buna-N Seal

Specifications

Size	4 in
Material	356 T6 Aluminum
Handles	Brass
Pins	304 Stainless
Gasket	Buna-N
Working Pressure	150PSI

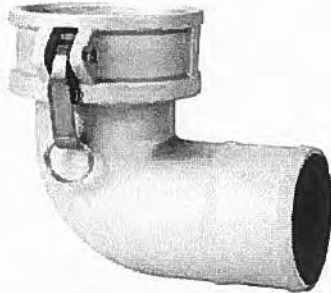
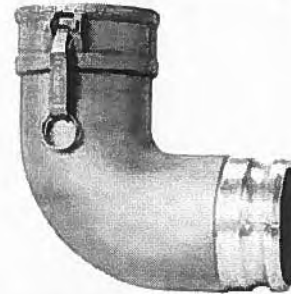
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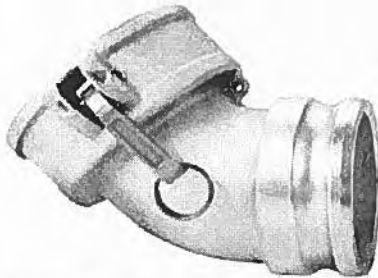
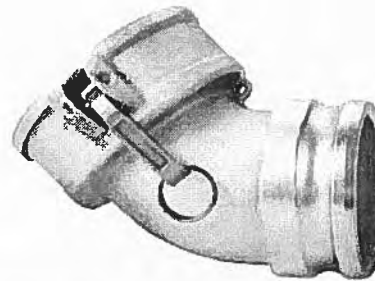
A

SEAL FAST CAM & GROOVE COUPLINGS

Elbow 90°- Female Coupler x Shank**C****Elbow 90°- Female Coupler x Male Adapter****DA**

Size	Aluminum	
	Part #	List
2"	C200AL90	\$15.94
3"	C300AL90	\$26.89
4"	C400AL90	\$56.42
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Size	Aluminum	
	Part #	List
2"	DA200AL90	\$16.89
3"	DA300AL90	\$28.21
4"	DA400AL90	\$46.72
2" X 3"	DA2030AL90	CALL
3" X 2"	DA3020AL90	CALL
3" X 4"	DA3040AL90	CALL
4" X 3"	DA4030AL90	CALL

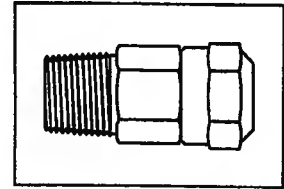
SWP-0002
SWA-0008**Elbow 45°- Female Coupler x Male Adapter****DA**

Size	Aluminum		Iron	
	Part #	List	Part #	List
2"	DA200AL45	CALL	---	---
3"	DA300AL45	\$21.89	DA300CI45	CALL
4"	DA400AL45	\$30.85	DA400CI45	\$87.74

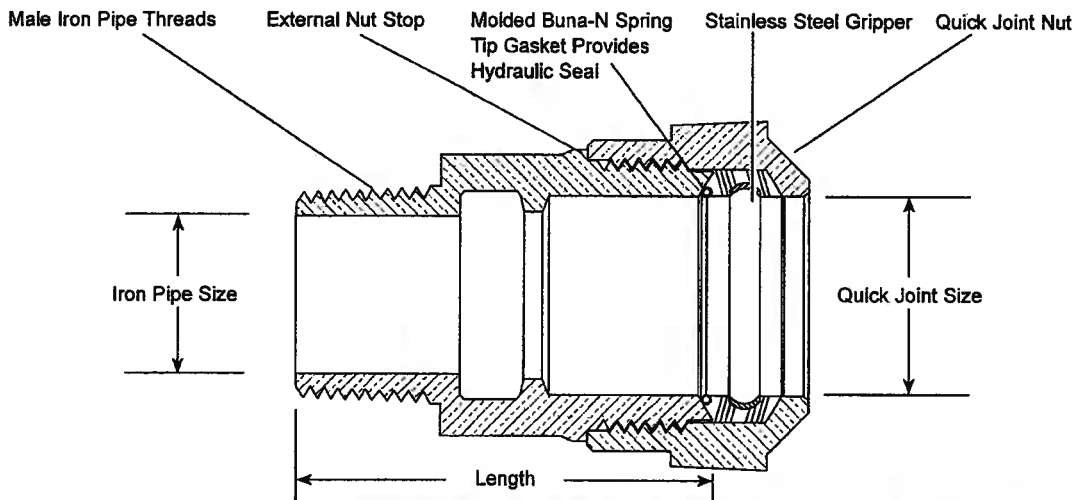
COMPRESSION FITTINGS

SUBMITTAL INFORMATION

Quick Joint Coupling - (C84-xx-Q-NL style)



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



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
MALE IRON PIPE	Q.J. FOR CTS				
1/2"	1/2"	2"	.5	C84-11-Q-NL	
3/4"	1/2"	2-7/32"	.5	C84-31-Q-NL	
3/4"	5/8"	2-1/4"	.6	C84-32-Q-NL	
3/4"	3/4"	2-1/4"	.6	C84-33-Q-NL	SWA-1019
3/4"	1"	2-3/8"	.7	C84-34-Q-NL	SWA-1001 & SWA-1011
1"	3/4"	2-19/32"	.7	C84-43-Q-NL	
1"	1"	2-9/16"	.8	C84-44-Q-NL	SWA-1009
1"	1-1/2"	2-9/16"	1.5	C84-46-Q-NL	
1-1/4"	1-1/4"	2-5/8"	1.4	* C84-55-Q-NL	
1-1/2"	1-1/2"	3"	1.8	C84-66-Q-NL	
2"	2"	3-1/4"	2.3	C84-77-Q-NL	SWA-1013

Note: Ford recommends insert stiffeners when using plastic pipe or tubing.
 * 1-1/4" Quick Joint has EPDM spring tip gasket.

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 octagonal 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.



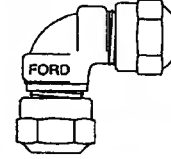
The Ford Meter Box Company, Inc.
 P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
 Phone: 260-563-3171 / Fax: 800-826-3487
 Overseas Fax: 260-563-0167
 www.fordmeterbox.com

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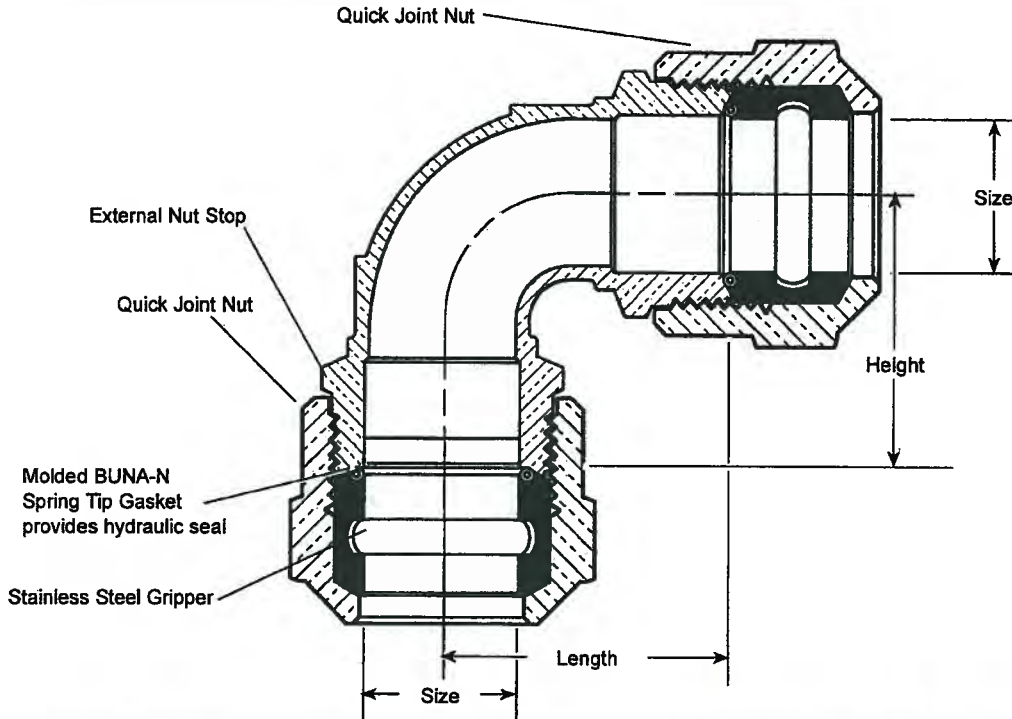
Submitted By:

SUBMITTAL INFORMATION

Quick Joint Ell Coupling - (L44-xx-Q-NL style)



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



DESCRIPTION		LENGTH	HEIGHT	APPROX. Wt. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
Q.J. FOR CTS	Q.J. FOR CTS					
3/4"	3/4"	1-5/8"	1-5/8"	1.0	L44-33-Q-NL	
3/4"	1"	2-3/64"	2-1/8"	1.6	L44-34-Q-NL	
1"	1"	2-1/8"	2-1/8"	1.8	L44-44-Q-NL	SWA-1010
1-1/2"	1-1/2"	2-7/16"	2-7/16"	3.1	L44-66-Q-NL	
2"	2"	2-13/16"	2-13/16"	4.2	L44-77-Q-NL	SWA-1002

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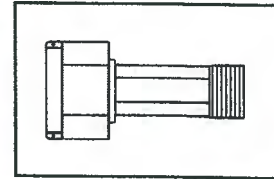
The Ford Meter Box Company, Inc.
 P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
 Phone: 260-563-3171 / Fax: 800-826-3487
 Overseas Fax: 260-563-0167
 www.fordmeterbox.com

04/28/15

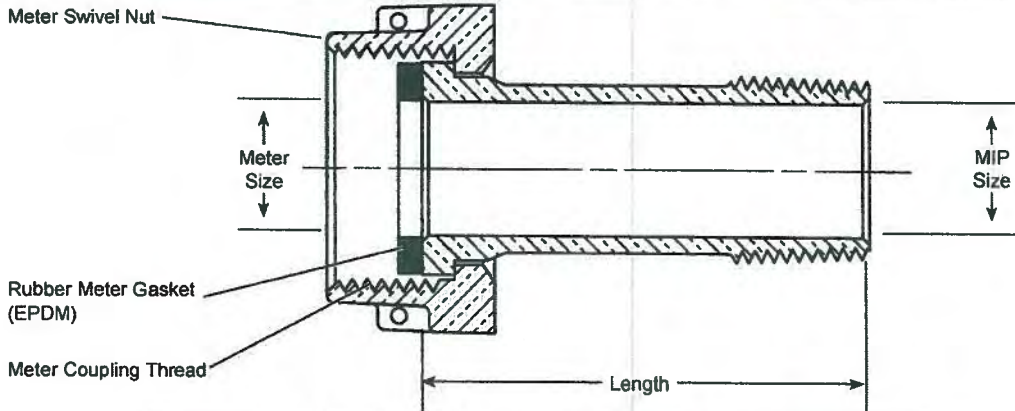
Submitted By:

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	5005/5026
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	
N/A	1"	2-1/4"	.7	C38-44-2-25-NL	
N/A	1"	2-5/8"	.8	C38-44-2-625-NL	5008
	1"	3-1/2"	.7	C38-44-3-5-NL	
	1"	8-1/2"	1.9	C38-44-8-5-NL	
N/A	1-1/4"	1"	1.3	C38-54-2-75-NL	
N/A	1-1/2"	1-1/2"	1.8	C38-66-2-875-NL	5002
	2"	2"	2.0	C38-77-2-25-NL	
	2"	3-1/16"	3.0	C38-77-NL	

5WA-1005
5WA-5026
Approved

N/A
NO PREFERENCE BY PARTS

N/A
NO PREFERENCE BY PARTS

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

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.



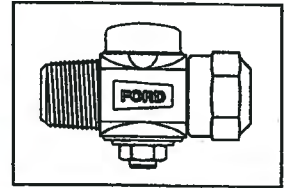
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05/11/16

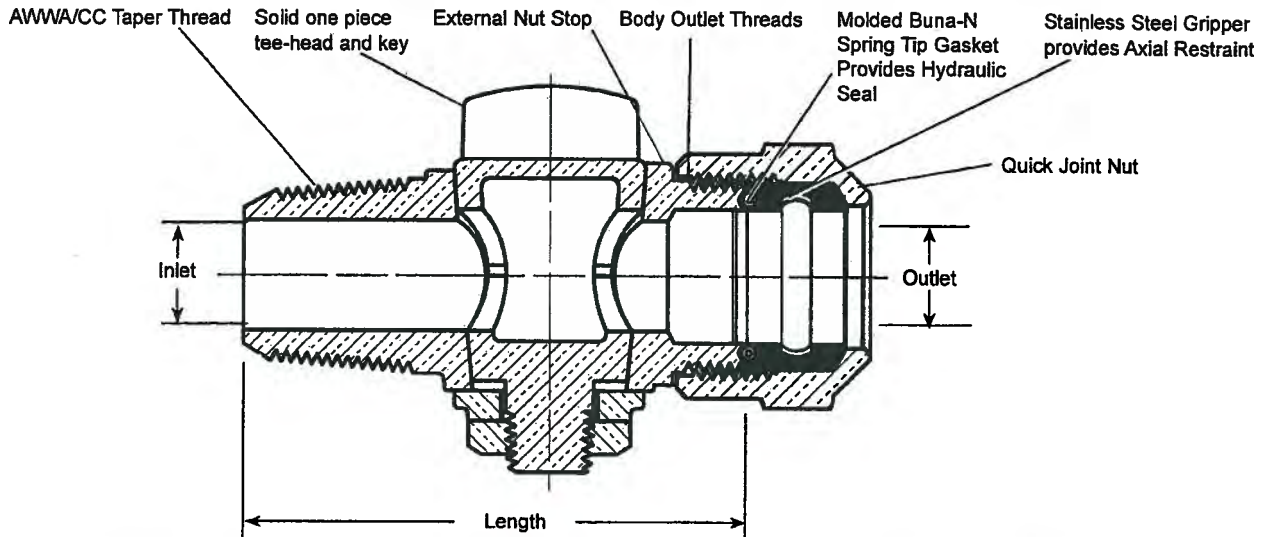
Submitted By:

SUBMITTAL INFORMATION

Corporation Stops - (F1000-x-Q-NL style)



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



VALVE SIZE	INLET SIZE	OUTLET SIZE	VALVE LENGTH	BODY OUTLET THREADS	APPROX. Wt. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
1/2"	1/2"	1/2"	3-1/8"	1/2" Flare Copper	0.9	F1000-1-Q-NL	
5/8"	5/8"	5/8"	3-3/8"	5/8" Flare Copper	1.4	F1000-2-Q-NL	
3/4"	3/4"	5/8"	3-3/4"	5/8" Flare Copper	1.7	F1000-32-Q-NL	
3/4"	3/4"	3/4"	3-3/4"	3/4" Flare Copper	1.7	F1000-3-Q-NL	SWA-1016
3/4"	3/4"	1"	4-1/16"	1" Flare Copper	1.9	F1000-34-Q-NL	
1"	1"	1"	4-9/16"	1" Flare Copper	2.7	F1000-4-Q-NL	SWA-1006

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 larger, more rugged wrench flats for proper installation
- Meets 100 PSI working pressure requirement of AWWA Standard C800

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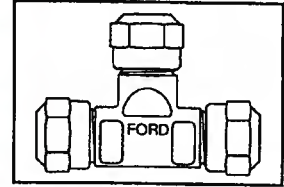
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04/28/16

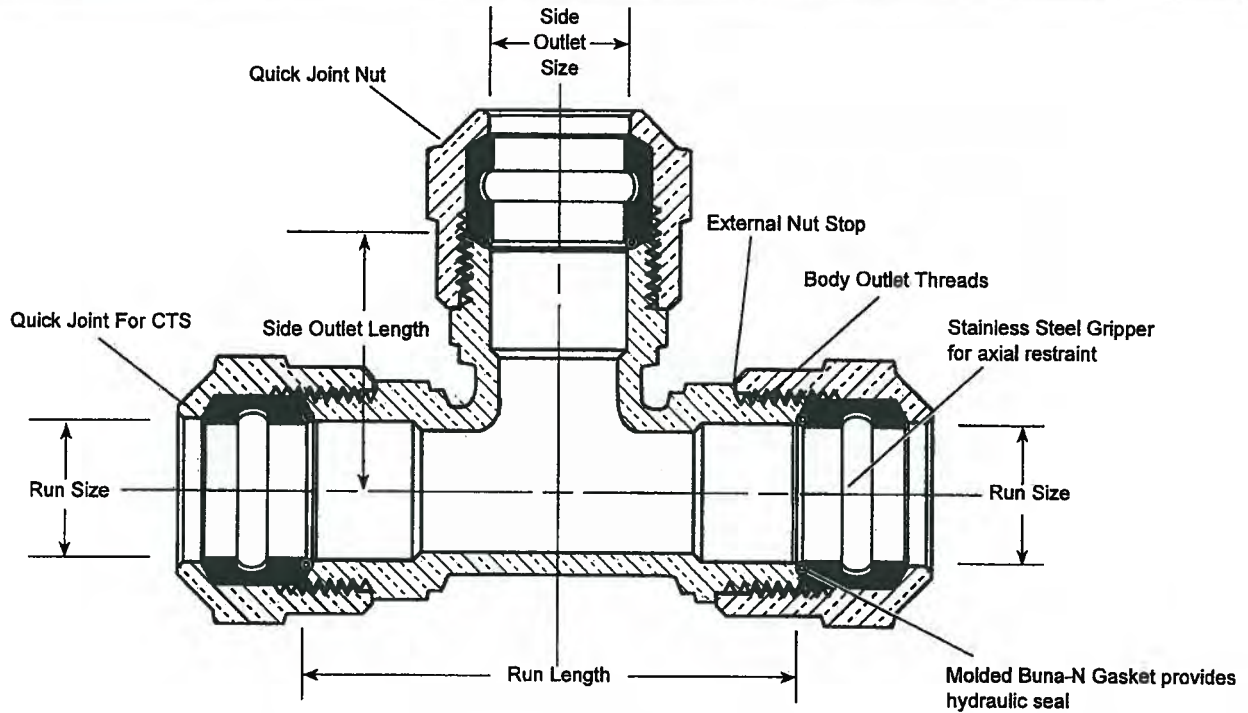
Submitted By:

SUBMITTAL INFORMATION

Quick Joint Tee - (T444-xxx-Q-NL style)



QUICK JOINT FOR CTS TO QUICK JOINT FOR CTS BY QUICK 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"	1.5	T444-333-Q-NL	
3/4"	1"	3-5/8"	1-15/16"	1.8	T444-334-Q-NL	
1"	1"	4-1/16"	2-1/16"	2.5	T444-444-Q-NL	609A-1007
2"	1"	5-1/64"	2-7/16"	4.9	T444-774-Q-NL	
2"	2"	7-3/8"	3-11/16"	8.7	T444-777-Q-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)

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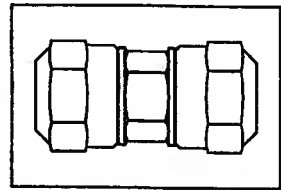
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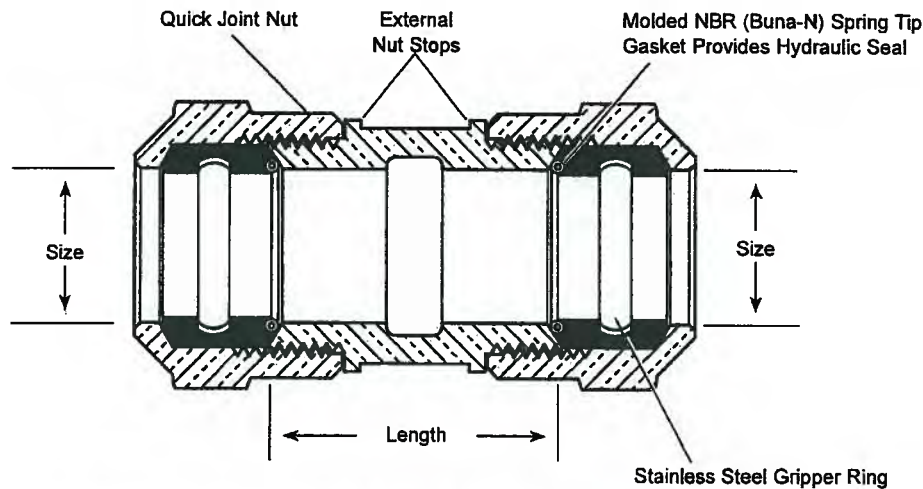
Submitted By:

SUBMITTAL INFORMATION

Quick Joint Coupling - (C44-xx-Q-NL style)



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



DESCRIPTION		LENGTH	APPROX. Wt. Lbs	PART NUMBER	✓ SUBMITTED ITEM(s)
Q.J. FOR CTS	Q.J. FOR CTS				
1/2"	1/2"	2-1/16"	.8	C44-11-Q-NL	
1/2"	3/4"	2-1/4"	.8	C44-13-Q-NL	
5/8"	5/8"	2-3/32"	.9	C44-22-Q-NL	
5/8"	3/4"	2-3/32"	.9	C44-23-Q-NL	
3/4"	3/4"	2-3/32"	.9	C44-33-Q-NL	
3/4"	1"	2-3/32"	1.0	C44-34-Q-NL	SWR-1017
1"	1"	2-13/32"	1.1	C44-44-Q-NL	SWR-1008
1"	1-1/2"	2-5/8"	2.0	C44-46-Q-NL	
1-1/4"	1-1/4"	2-1/2"	2.0	C44-55-Q-NL	
1-1/2"	1-1/2"	3-3/8"	2.6	C44-66-Q-NL	
2"	2"	3-1/2"	3.3	C44-77-Q-NL	SWR-1015

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 larger, more rugged wrench flats for proper installation

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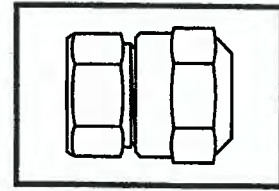
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09/20/17

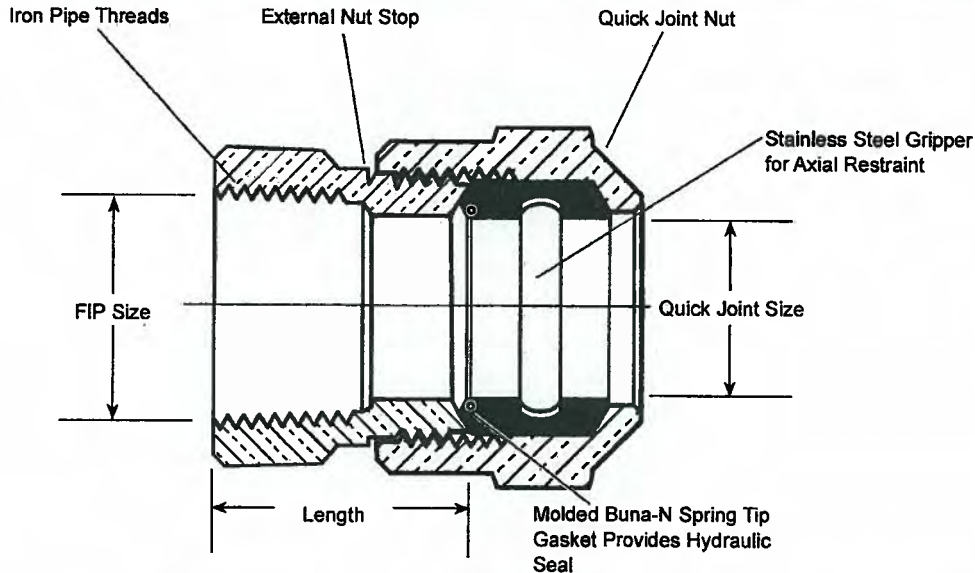
Submitted By:

SUBMITTAL INFORMATION

Quick Joint Coupling - (C14-xx-Q-NL style)



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



DESCRIPTION		LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
FEMALE IRON PIPE	Q.J. FOR CTS				
1/2"	1/2"	1-9/16"	0.4	C14-11-Q-NL	
3/4"	3/4"	1-1/4"	0.6	C14-33-Q-NL	SWA-1018
3/4"	1"	1-3/4"	0.9	C14-34-Q-NL	
1"	3/4"	1-3/4"	0.7	C14-43-Q-NL	
1"	1"	2-1/8"	0.9	C14-44-Q-NL	
1-1/4"	1-1/4"	2-3/16"	1.5	* PJA4-45-C14-55-Q-NL	
1-1/2"	1-1/2"	2-7/16"	2.3	C14-66-Q-NL	
2"	2"	2-5/8"	2.8	C14-77-Q-NL	SWA-1012

Note: Ford recommends insert stiffeners when using plastic pipe or tubing
 * 1-1/4" Quick Joint has EPDM spring tip gasket

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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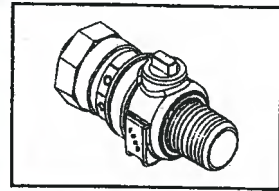
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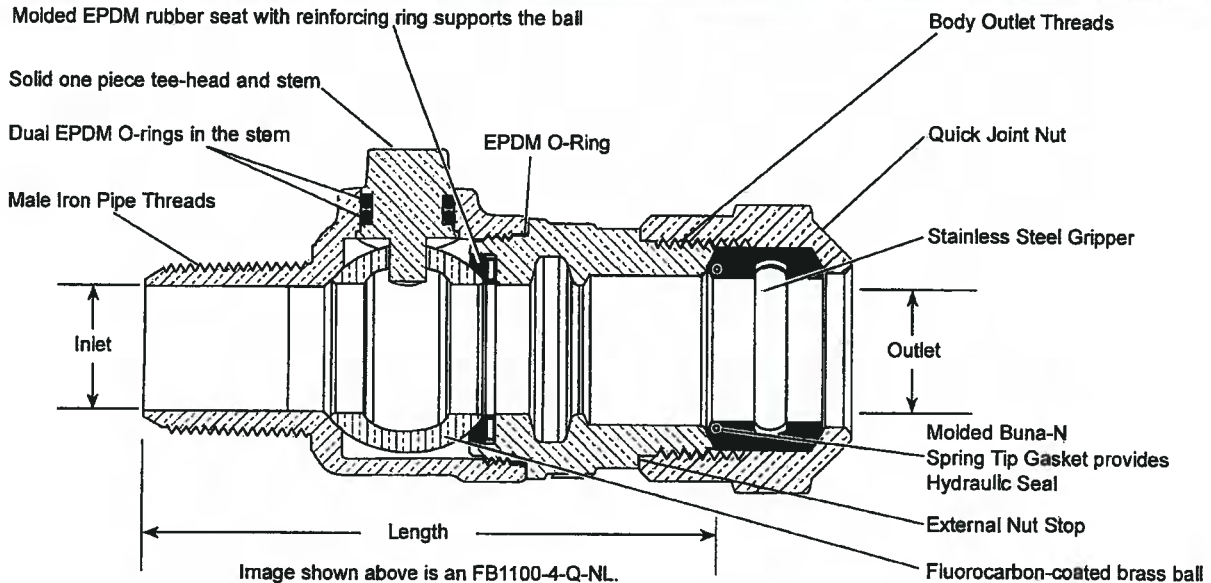
Submitted By:

SUBMITTAL INFORMATION

Ballcorp Corporation Stops - (FB1100-xx-Q-NL style)



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



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	1.8	FB1100-3-Q-NL	
1"	1"	1"	4-13/64"	1" Flare Copper	2.7	FB1100-4-Q-NL	
1-1/2"	1-1/2"	1-1/2"	5-11/16"	1-1/2" Special Thread	4.9	FB1100-6-Q-NL	
2"	2"	2"	7-1/32"	2" Special Thread	7.9	FB1100-7-Q-NL	SWR-1014

Note: Ford recommends using insert stiffeners with plastic pipe or tubing.
 * 1-1/4" Quick Joint has EPDM spring tip gasket.

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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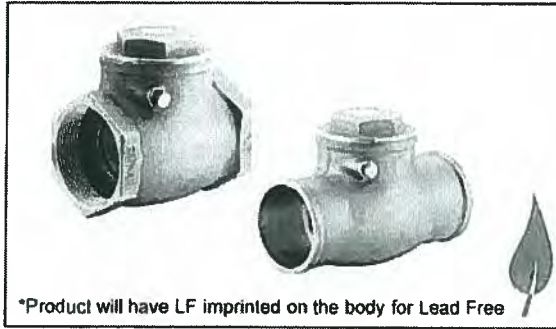


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03/30/16

Submitted By:

521LF Swing Check Valve • Spec Sheet

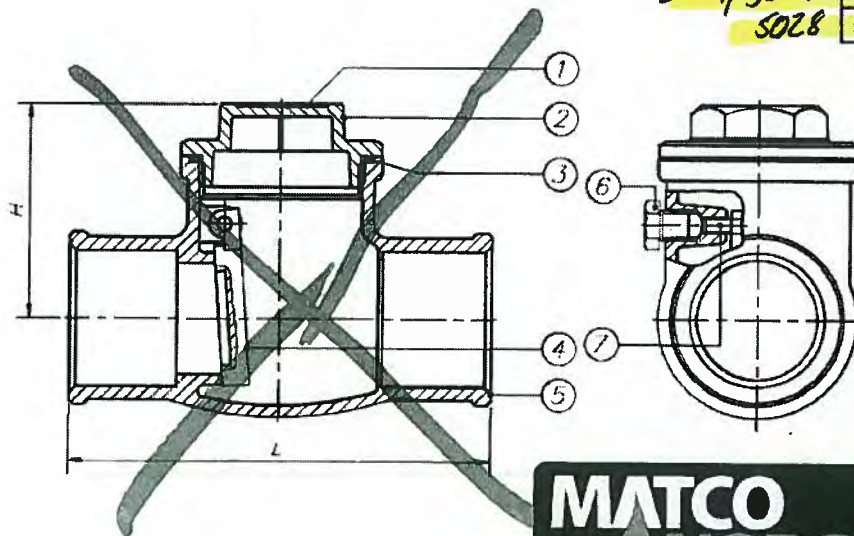
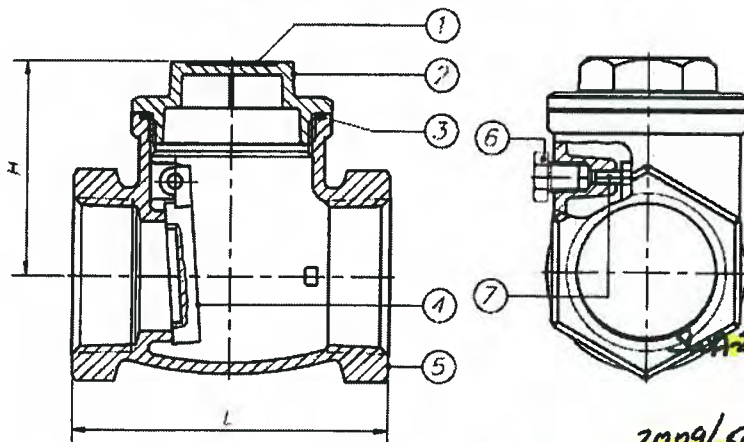


FEATURES & BENEFITS

- Lead Free Brass*
- ISO-9002
- 200 WOG-125 SWP
- Swing Type
- Integral Seat
- Threaded Ends Comply with ANSI B2.1 3/8" - 2"
- Solder Ends Comply with ANSI B16.18 1/2" - 2"
- Valves are Tested in Accordance w/ MSS-SP-82
- Sizes 3/8" - 4"

DIMENSIONS

Part # IPS	Part # CXC	Size	H IPS	L IPS	H CXC	L CXC
521T02LF	-	3/8"	1.42	2.09	-	-
521T03LF	521C03LF	1/2"	1.42	2.09	1.40	2.40
521T04LF	521C04LF	3/4"	1.56	2.36	1.52	3.15
521T05LF	521C05LF	1"	1.77	2.62	1.73	3.51
521T06LF	521C06LF	1-1/4"	2.07	3.19	2.07	4.16
521T07LF	521C07LF	1-1/2"	2.17	3.55	2.13	4.57
521T08LF	521C08LF	2"	2.74	4.22	2.68	5.48
521T09LF	521C09LF	2-1/2"	3.09	5.14	3.09	6.90
521T10LF	521C10LF	3"	3.80	5.77	3.80	7.68
521T11LF	521C11LF	4"	4.26	6.84	4.26	9.48



MATERIAL SPECIFICATIONS

No.	Parts	Material
1	Name Plate	Aluminum
2	Cap	Brass C89550
3	Packing	Fibre "H"
4	Disc	Brass C89550
5	Body	Brass C89550
6	Bolt	Brass C89550
7	Pin	Brass B19 C26000

* These product complies with 0.25% weighted average lead content on wetted surfaces in accordance with Safe Water Drinking Act (SDWA) / Federal Public Law No. 111-380.



Global sourcing. National compliance. Local service.

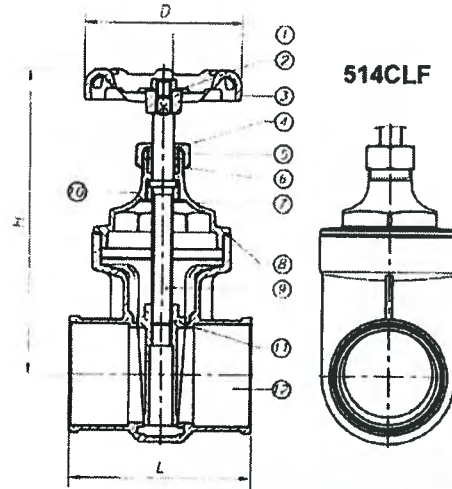
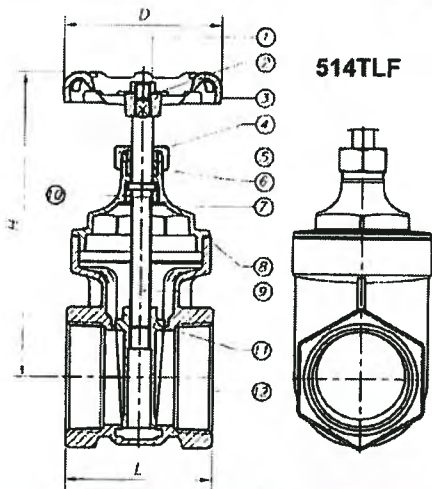
CALIFORNIA 5593 Fresca Dr., La Palma CA 90623 • Toll Free: 866-532-8306 • Fax: 866-532-8307
TEXAS 1150 Silber Rd., Houston TX 77055 • Toll Free: 800-935-5456 • Fax: 713-680-2999
NEW YORK PO Box 27, Rt. 22, Brewster NY 10509 • Toll Free: 800-431-2082 • Fax: 845-278-9056
 WEB: www.matco-norca.com EMAIL: mail@matco-norca.com

514LF Full Port Gate Valve • Spec Sheet



FEATURES & BENEFITS

- Lead Free Brass*
- ISO-9002
- 200WOG-125SWP
- Full Port
- Non-Rising Stem
- Threaded Bonnet
- Threaded Ends Conform to ANSI Standards B2.1
- Solder Ends Conforms to ANSI Standards B16.18
- Valves are Tested in Accordance w/ MSS-SP-82
- Certified NSF/ANSI 372 by Truesdail Lab to Comply with Section 1417 of the US SDWA
- Available With Cross Handles (See Page 2)
- Sizes 1/4" – 4"



DIMENSIONS

Part # IPS	Part # C X C	Size	D IPS	H IPS	L IPS	D C X C	H C X C	L C X C
514T01LF	-	1/4"	2.09	2.92	1.71	-	-	-
514T02LF	-	3/8"	2.09	2.92	1.71	-	-	-
514T03LF	514C03LF	1/2"	2.09	2.92	1.71	2.09	2.92	1.69
514T04LF	514C04LF	3/4"	2.13	3.31	1.81	2.13	3.31	2.32
514T05LF	514C05LF	1"	2.48	3.90	2.13	2.48	3.90	2.72
514T06LF	514C06LF	1-1/4"	2.72	4.61	2.25	2.72	4.61	2.94
514T07LF	514C07LF	1-1/2"	3.15	5.08	2.44	3.15	5.08	3.33
514T08LF	514C08LF	2"	3.53	5.99	2.70	3.53	5.99	3.98
514T09LF	514C09LF	2-1/2"	3.98	7.88	2.70	3.98	7.88	4.61
514T10LF	514C10LF	3"	4.37	8.83	4.02	4.37	8.83	5.32
514T11LF	514C11LF	4"	5.00	9.89	4.53	5.00	9.89	6.37

MATERIAL SPECIFICATIONS

No.	Parts	Material
1	Wheel Nut	Brass B124 C37700
2	Name Plate	Aluminum
3	Handle Wheel	Cast Iron
4	Packing Nut	Brass B16 C36000
5	Gland Ring	Brass B16 C36000
6	Gland Packing	Graphite
7	Bonnet	Brass C89550
8	Packing	FIBRE
9	Stem	Brass C89550
10	Lock Nut	Brass C89550
11	Disc	Brass C89550
12	Body	Brass C89550

*This product complies with 0.25% weighted average lead content on wetted surfaces in accordance with the Safe Drinking Water Act (SDWA) / Federal Public Law No. 111-380.



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 • Phone: 844-412-5068 • Fax: 800-640-2252
 • Phone: 800-433-7526 • Fax: 800-533-5134
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 EMAIL: mail@matco-norca.com

759LF Brass Ball Valve • Spec Sheet

2" – 4"

FEATURES & BENEFITS

- Lead Free Forged Brass
- Full Port
- Two Piece Body
- Blow-Out Proof Stem
- Chrome Plated Solid Brass Ball
- Thread Ends Comply Per ANSI B1.20.1
- Conforms to MSS-SP-110
- 600 PSI Non-Shock / CWP 150 PSI SWP
- cUPC, NSF 61 and NSF 372 Approved
- CSA Gas Approved to 2" (IPS Only)

APPLICATIONS

- Commercial & Light Industrial/ Steam, Water, Oil, Gas, Air



*Product will have LF imprinted on the body for Lead Free

IPS DIMENSIONS

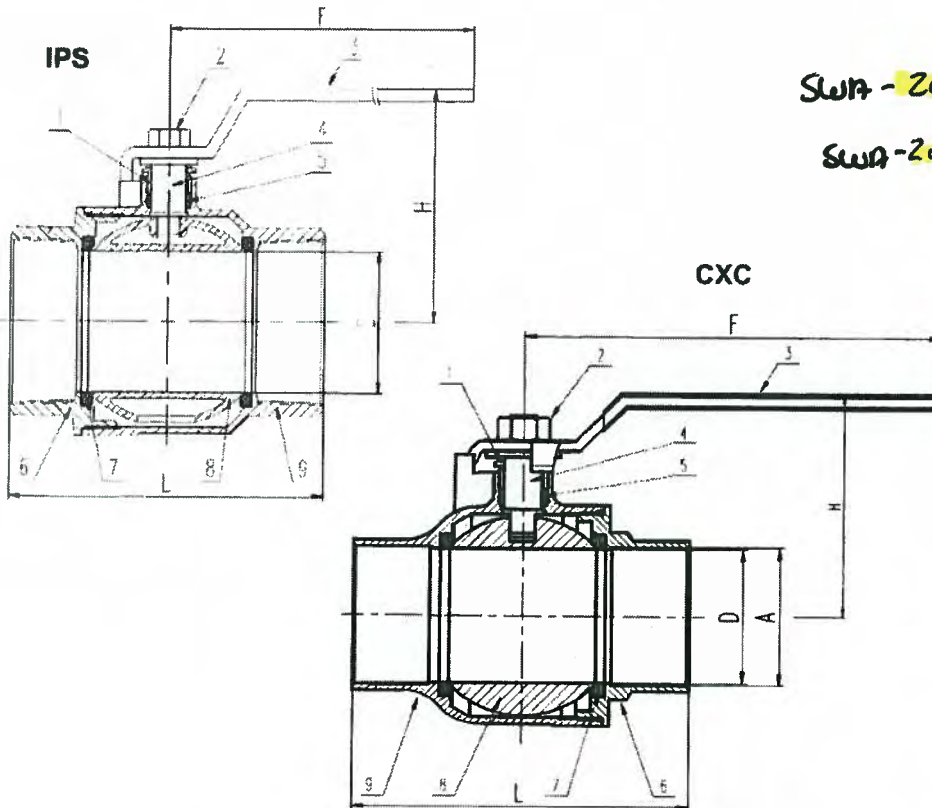
SWA-2007

SWA-2013

Size	L	D	H	F
2"	4.41	Ø1.97	3.27	5.52
2-1/2"	5.99	Ø2.56	4.59	9.06
3"	6.50	Ø2.96	4.87	9.06
4"	7.76	Ø3.90	5.67	10.1

CXC DIMENSIONS

Size	L	D	A	H	F
2"	5.34	Ø1.97	Ø2.13	3.27	5.52
2-1/2"	6.38	Ø2.56	Ø2.63	4.24	7.92
3"	7.17	Ø2.96	Ø3.13	5.04	9.89
4"	9.22	Ø3.90	Ø4.13	5.71	9.89



MATERIAL SPECIFICATION

No.	Part	Material
1	Gland Nut	Brass C86400
2	Hex Nut	Steel
3	Handle	Steel
4	Stem	Brass C36000
5	Stem Packing	PTFE
6	End Cap	Brass C46400
7	Seat	PTFE
8	Ball	C.P. Brass C86400
9	Body	Brass C46400

*This product complies with 0.25% weighted average lead content on wetted surfaces in accordance with the Safe Drinking Water Act (SDWA) / Federal Public Law No. 111-380.



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SPECIFICATIONS: Megaloc®

MISC. FITTING PVC

SWA-4001

SWA#
4001

HCC Holdings, Inc.

4700 West 160th Phone: 800-321-9532
Cleveland, Ohio 44135 Website: www.Oatey.com



MEGALOC® Thread Sealant

Date: August 2017

Multi-purpose thread sealant made with DuPont™ KEVLAR® for use on metals including steel, stainless steel, brass, copper, aluminum, and on plastics including PVC, CPVC and ABS. Leak-free joints can be tested and put into service at once. **MEGALOC** wipes clean from hands and tools with a dry rag, is odor-free, grit-free, and will not separate or settle. **MEGALOC** does not harden, crack or become brittle; joints can be disassembled without damage to pipe, fittings, or threads years after the joint was made.

MEGALOC is applied easily with a natural bristle brush even at temperatures as low as -25°F, and performs over a temperature range of -50°F to +400°F. It provides leak-proof hydraulic resistance to 12,000 psi and withstands gas pressure up to 2,600 psi. **MEGALOC** is non-toxic, non-hazardous, and non-flammable. It contains no lead, heavy metals, or volatile solvents.



The DuPont™ and KEVLAR® are registered trademarks or trademarks of DuPont or its affiliates.

APPROVALS & LISTINGS



Meets CSA requirements ANSI LC 7-2009 and CAN/ULC-S642-07. Working Temperature Range -40°F to 125°F. Maximum Working Pressure 125 psi. For use with Natural Gas & LP Gases (VAPOR STATE ONLY). Use on Steel, Galvanized Steel, Iron, Brass, Copper, Stainless Steel & Aluminum for pipe sizes up to and including 2".

Meets MIL. SPEC. TTS-1732 and MIL. A-12342a (CE.)



SPECIFIC APPLICATIONS*

MEGALOC can be used on these materials:

- Aluminum
- Black Iron
- Brass
- Copper
- Glass
- Monel
- Fiberglass (reinforced)
- Polyethylene
- Nylon Plastic
- PVC
- CPVC
- ABS
- Stainless Steel
- Galvanized Steel
- Many others

*For special applications which may not be covered on this or other Oatey literature, please contact Oatey Technical Services Department by phone 1-800-321-9532, or fax 1-800-321-9535, or visit our technical database web-site at www.Oatey.com.

SPECIFIC USES

MEGALOC can be used on lines carrying:

- Acids (dilute)
- Air (compressed gaseous)
- Brine Butane Gas
- Carbon Dioxide
- Castor Oils
- Caustic Alkalis (dilute)
- Cutting Oils
- Diesel Fuel Oil
- Ethylene Glycol
- Fatty Acid (liquid)
- Freons (all)
- Gasoline
- Glycerine
- Heating Oils
- Helium (gaseous)
- Hydraulic Oils
- Hydrogen
- Inert Gases
- Jet Fuel
- Kerosene
- Liquefied Petroleum Gases
- Lubricating Oils
- Mineral Oils
- Natural Gas
- Nitrogen (gaseous)
- Petroleum Solvents
- Potable Water
- Propane
- Propylene Glycol
- Soap (liquid)
- Steam Lines
- Vegetable Oils
- Water (cold & hot)
- Many other uses

DIRECTIONS FOR USE

For best results apply **MEGALOC** to clean, dry male threads, brushing well into the roots of the threads. Finished joints can be tested and put into service at once.

PHYSICAL PROPERTIES

Pressure Rating: Liquids	12,000 psi
Gases	2,600 psi
Temperature Performance	-50°F to 400°F
Brushability	-25°F

WARNINGS OR CAUTIONS

MEGALOC is not recommended for use on lines carrying concentrated acids and alkalis, ketones, and oxygen.

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST SAFETY DATA SHEET (SDS) #7305E

For Delivery By Fax	Call 1-800-321-9535
Internet	See SDS section of www.Oatey.com

This product is not classified as hazardous in accordance with 29 CFR OSHA 1910.1200.

HMIS® ratings Health: 0
 Flammability: 1
 Physical hazard: 0

SIZE & PACKING

STOCK NUMBER	SIZE	PACKING	WEIGHT/CASE
15802	1.1 fl. oz. tube*	24	3.0 lbs.
15804	1/4 pt.**	24	13.0 lbs.
15806	1/2 pt.**	24	20.8 lbs.
15808	1 pt.**	12	21.0 lbs.
15811	1 qt.**	12	39.0 lbs.
15814	1 gal.	4	44.7 lbs.
15816	5 gal.	1	59.3 lbs.
15818	55 gal.	1	627.0 lbs.

*plastic tube **brush-in-cap

MISC Fitting - Brass

SUBMITTAL INFORMATION

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



FEMALE IRON PIPE THREAD INLET BY FEMALE IRON PIPE THREAD OUTLET

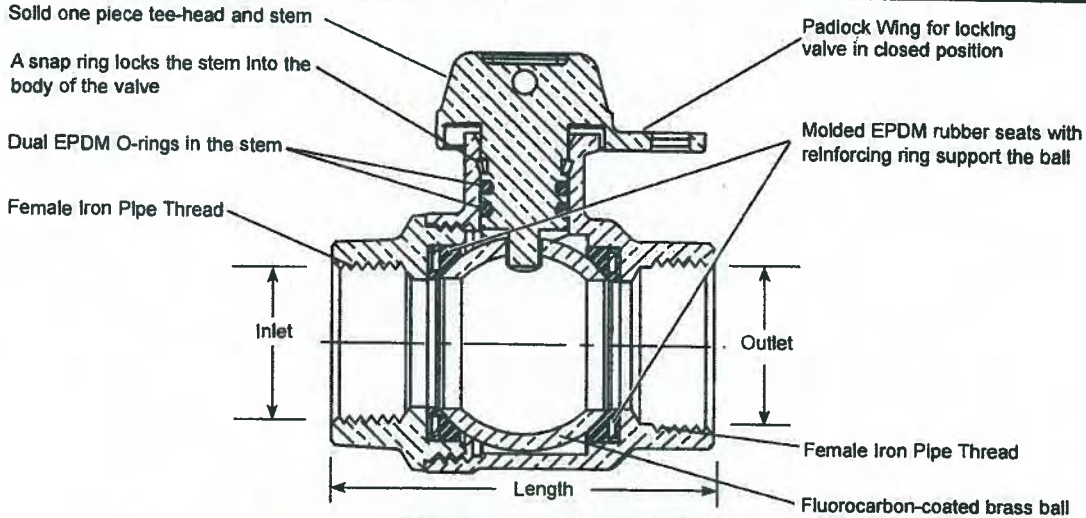


Image shown above is a B11-444W-NL

VALVE SIZE	INLET SIZE	OUTLET SIZE	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
3/4"	3/4"	3/4"	3-1/64"	1.6	B11-333W-NL	5025 SWA-5025
3/4"	3/4"	3/4"	3-21/64"	1.6	B11-333W-3-33W-NL	
3/4"	1"	3/4"	3-17/64"	1.7	B11-343W-NL	
3/4"	1"	1"	3-25/64"	1.8	B11-344W-NL	5007 SWA-5007
1"	1"	1"	3-7/16"	2.0	B11-444W-NL	
1-1/4"	1-1/4"	1-1/4"	4-1/32"	4.1	B11-555W-NL	
1-1/4"	1-1/2"	1-1/2"	4-11/32"	4.5	B11-566W-NL	
1-1/2"	1-1/2"	1-1/2"	4-15/32"	4.9	B11-666W-NL	
1-1/2"	2"	1-1/2"	4-23/32"	5.0	B11-676W-NL	
1-1/2"	2"	2"	5"	5.5	B11-677W-NL	
2"	2"	2"	5-1/4"	7.1	B11-777W-NL	5014 SWA-5014
2"	2"	2-1/2"	5-45/64"	7.6	B11-778W-NL	
2"	2-1/2"	2-1/2"	6-1/4"	8.5	B11-788W-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
 - Padlock wing for locking valve in closed position.
- Optional full 360° tee-head rotation. Add "R" to part number**

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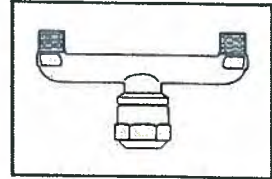
The Ford Meter Box Company, Inc.
 P.O. Box 443, Wabash, Indiana U.S.A. 46992-0443
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06/22/17

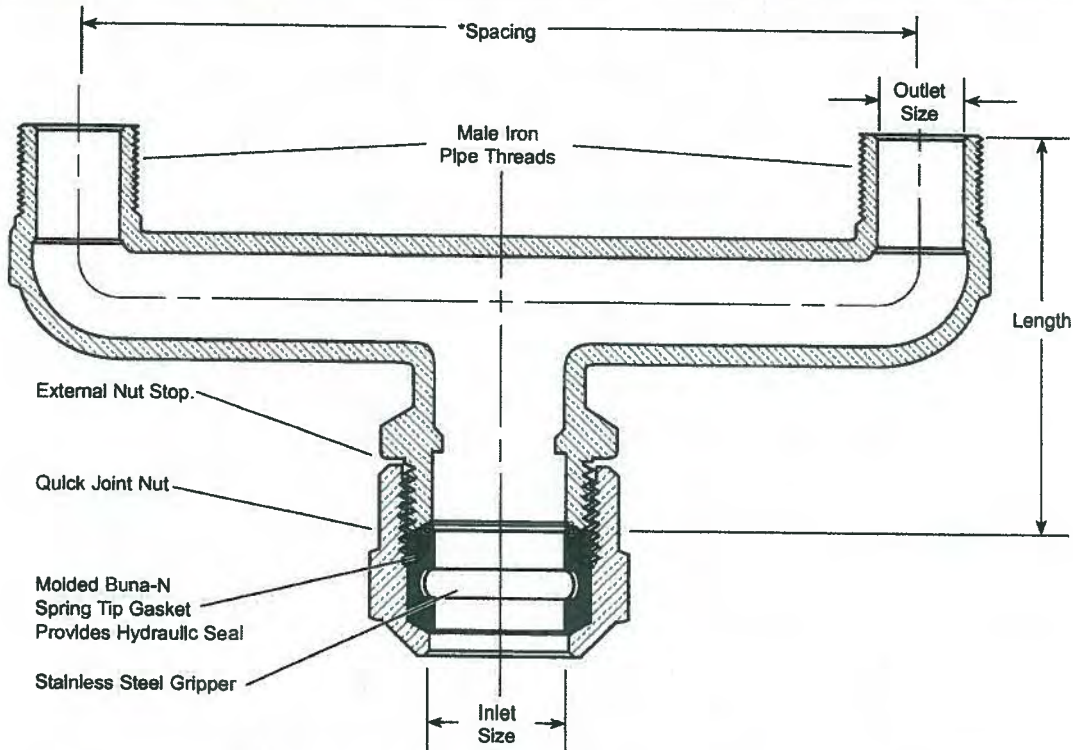
Submitted By:

SUBMITTAL INFORMATION

"U" Branch Piece - (U48-xx-xx-Q-NL style)



QUICK JOINT FOR COPPER OR PLASTIC TUBING (CTS) INLET BY TWO MALE IRON PIPE THREAD OUTLETS



DESCRIPTION		SPACING	LENGTH	APPROX. WT. LBS	PART NUMBER	✓ SUBMITTED ITEM(S)
QUICK JOINT INLET	MIP OUTLET					
1"	Two - 3/4"	7-1/2"	3-9/32"	2.2	U48-43-Q-NL	50/0
1"	Two - 3/4"	14"	3-9/32"	3.2	U48-43-14-Q-NL	

SWA-5010

* 7-1/2" spacing is standard and will be provided unless otherwise specified.
 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)

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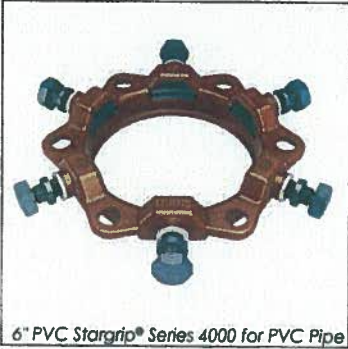
08/24/15

Submitted By:



PVC Stargrip® series 4000

Mechanical Joint Wedge Action Restraint for AWWA C900/C905 and IPS PVC Pipe



6" PVC Stargrip® Series 4000 for PVC Pipe

SUBMITTAL INFORMATION

PROJECT NAME:

ENGINEER:

CONTRACTOR:

SPEC. SECTION:



FEATURES & ADVANTAGES

- The design eliminates tie rods and thrust blocks and has been proven in the market since 1992.
- Can be used on 4"-12" AWWA C900, 14"-36" AWWA C905 PVC pipe or 3"-12" IPS PVC pipe* (**transition gasket required on IPS PVC Pipe 12" and under*).
- Listed with Underwriters Laboratories in sizes 4"-12" for use on DR18 class 235 C900 PVC pipe at 150 PSI. Approved by Factory Mutual Research in sizes 4"-12" for use on DR18 class 235 at 150 PSI and for sizes 4"-10" DR14 class 305 C900 PVC pipe at 200 PSI.
- Tested to and meets the requirements of ASTM F1674 through 14" size for DR18 PVC pipe.
- The safety factor is twice (2:1) the standardized pressure rating listed on Page 18 of the catalog.
- Will fit any Mechanical Joint configuration, meaning compatibility with different types of installations.
- PVC Stargrip® offers 5° deflection through 12", 3° on 14"-24" and 2° on 30"-36".
- Larger ID allows easier installation on out-of-round pipe.
- All sizes have curved wedges that will not flatten pipe.
- For use on HDPE or C909 pipe, please contact Star Engineering.

MATERIAL SPECIFICATIONS:

- Gland: Ductile Iron per ASTM A536, Grade 65-45-12
- Wedges: Ductile Iron per ASTM A536, Grade 65-45-12 heat treated to a minimum of 370 BHN
 - Wedge Finish: Thermally cured fluoropolymer epoxy coating

GLAND FINISH OPTIONS (Please check one):

- Standard: alkyd enamel coating
- Optional: Starbond™ TGIC polyester powder coating applied by an electrostatic spray process
- Optional: Other (specify) _____

COUNTRY OF ORIGIN OPTION (Please check one):

- Import
- 100% Domestic¹
- Domestic gland with import components¹
(¹Please see [Domestic Restraint Options Available](#) on our website.)

STAR® PIPE PRODUCTS

REV 13-1



® REGISTERED TRADEMARK OF STAR PIPE PRODUCTS

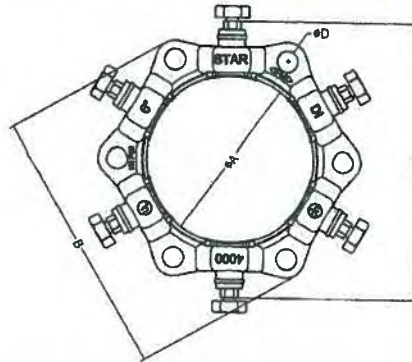
STAR® PIPE PRODUCTS
HOUSTON CORPORATE | TOLL FREE 1-800-999-3009 | FAX 281-558-9000
www.starpipeproducts.com



PVC Stargrip® series 4000

Mechanical Joint Wedge Action Restraint
for AWWA C900/C905 and IPS PVC Pipe

TECHNICAL INFORMATION



6" PVC Stargrip® Series 4000 for PVC Pipe

PVC STARGRIP® 4000 SPECIFICATIONS*

Please check sizes:

NOM. SIZE	C900/C905 PIPE CI OD	IPS PIPE OD (TRANSITION GASKET REQUIRED)	ØA	B	C¹	ØD	T BOLTS SIZE (QTY)	WEDGES (QTY)	APPROX. WT. (LBS)
3	N/A	3.50	4.09	7.69	8.50	3/4	5/8 (4)	4	7
4	4.80	4.50	4.93	9.12	9.53	7/8	3/4 (4)	4	9
6	6.90	6.63	7.03	11.12	11.63	7/8	3/4 (6)	6	13
8	9.05	8.63	9.18	13.37	13.97	7/8	3/4 (6)	6	17
10	11.10	10.75	11.23	15.62	16.18	7/8	3/4 (8)	8	23
12	13.20	12.75	13.33	17.87	18.18	7/8	3/4 (8)	8	28
14	15.30	N/A	15.45	20.75	20.36	7/8	3/4 (10)	10	50
16	17.40	N/A	17.55	23.00	22.46	7/8	3/4 (12)	12	60
18	19.50	N/A	19.65	25.25	24.56	7/8	3/4 (12)	12	65
20	21.60	N/A	21.75	27.50	26.66	7/8	3/4 (14)	14	76
24	25.80	N/A	25.95	32.00	30.86	7/8	3/4 (16)	16	98
30	32.00	N/A	32.18	39.38	36.82	1-1/8	1 (20)	20	173
36	38.30	N/A	38.48	46.25	43.12	1-1/8	1 (24)	24	219

SWA#
7011
7016
7030
7035

7002

*All dimensions in inches except where indicated
¹ - dimension after assembly on pipe

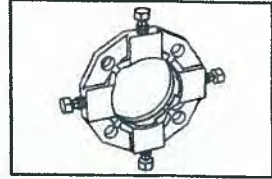
NOM. SIZE (IN)	MAXIMUM WORKING PRESSURE RATING WITH OCCASIONAL & RECURRING SURGES									
	C900			C905				ASTM D2241		
	DR14	DR18	DR25	DR18	DR21	DR25	DR32.5	SDR17	SDR21	SDR26
3								250	200	160
4	305	235	165					250	200	160
6	305	235	165					250	200	160
8	305	235	165					250	200	160
10	305	235	165					250	200	160
12	305	235	165					250	200	160
14				235	200	165	125			
16				235	200	165	125			
18				200	200	165	125			
20				200	200	165	125			
24				165	165	165	125			
30						165	125			
36						165	125			



25

SUBMITTAL INFORMATION

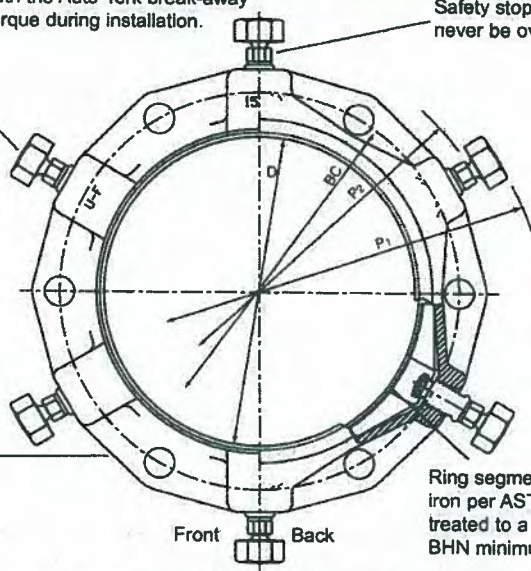
Mechanical Joint Retainer (UFR1500-x-I style)



3" - 12" SERIES UFR1500 CIRCLE-LOCK MECHANICAL JOINT RESTRAINT FOR C900, C909 AND IPS PVC

Ductile iron actuating screw, with the Auto-Tork break-away head design, insures proper torque during installation.

Safety stop insures ring segments can never be over-tightened.



Gland body is of high strength ductile iron per ASTM A536, grade 65-45-12. Compatible with all mechanical joints conforming to ANSI / AWWA C111 / A21.11.

Ring segments are ductile iron per ASTM A536 and heat treated to a hardness of 370 BHN minimum.

Auto-Tork Bolt



Restraint Segment



Bolt Hole Cross Section

NOM. PIPE SIZE	O.D.	CATALOG NUMBER	NO. OF RESTRAINT SEGMENTS	APPROX. WEIGHT (LBS.)	P1*	P2**		BC	D	PRESSURE RATING					✓ SUBMITTED ITEM(S)
						C900 C909	IPS			C900		C909	ASTM D2241		
										DR-18	DR-14		PC-235	SDR-26	
3"	3.50"	UFR1500-3-I	4	9	11.50"	9.00"	9.00"	6.19"	4.06"				160 PSI	200 PSI	SWA-7011
4"	4.50"-4.80"	UFR1500-4-I	4	10	13.00"	9.40"	9.25"	7.50"	4.90"	235 PSI	305 PSI		160 PSI	200 PSI	7016 SWA-7016
6"	6.63"-6.90"	UFR1500-6-I	6	14	15.13"	11.60"	11.65"	9.50"	7.00"	235 PSI	305 PSI	235 PSI	160 PSI	200 PSI	7030 SWA-7030
8"	8.63"-9.05"	UFR1500-8-I	6	18	17.25"	13.75"	13.60"	11.75"	9.15"	235 PSI	305 PSI	235 PSI	160 PSI	200 PSI	7035 SWA-7035
10"	10.75"-11.10"	UFR1500-10-I	8	26	19.38"	16.00"	15.85"	14.00"	11.20"	235 PSI	305 PSI	235 PSI	160 PSI	200 PSI	
12"	12.75"-13.20"	UFR1500-12-I	8	29	21.50"	18.05"	17.85"	16.25"	13.30"	235 PSI	305 PSI	235 PSI	160 PSI	200 PSI	7002 SWA-7002

*Maximum O.D. of gland on pipe before Auto-Tork heads are removed (as shipped).

**Maximum O.D. of gland on pipe after Auto-Tork heads are removed.

FEATURES

- Fits C900, C909 and ASTM D2241 IPS PVC
- Full circle contact and support of the pipe wall
- "Auto-Tork" actuating screws with heads specially designed to twist off at the correct installation torque, leaving a hex head in case future system maintenance or removal is required
- Restraining segments are mechanically retained in pockets
- Series 1500 eliminates the need to pour expensive and time consuming concrete thrust blocks
- Series 1500 UL/FM approved, 4"-12" nominal size C900 PVC, for use on listed and approved PVC pipe
- Imported ductile iron castings
- Gland, screws and segments are black epoxy coated using the e-coat process
- Gland colored red for identification purposes
- Assembled, inspected and packaged in the U.S.A.

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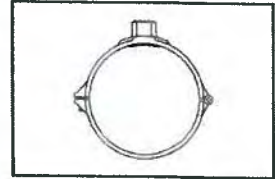
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Submitted By:

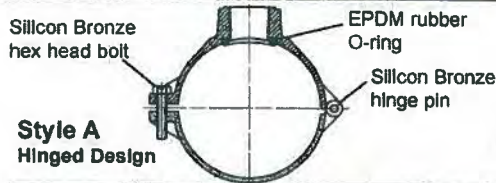
TAPPING SADDLES & SLEEVES

SUBMITTAL INFORMATION

Brass Saddles For PVC - (S70-xxx style)



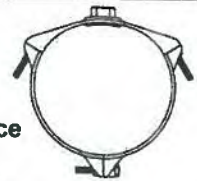
S70 BRASS SADDLES WITH AWWA TAPS FOR STANDARD PVC PIPE



Style A
Hinged Design



Style B 2-Piece
Bolted Design



Style C 3-Piece
Bolted Design

PVC PIPE SIZE	ACTUAL O.D.	TAP SIZE	APPROX. WT. LBS.	CATALOG NO.	STYLE	✓ SUBMITTED ITEM(S)
1-1/2"	1.900	1/2"	1.0	S70-151	A	
		3/4"	1.0	S70-153	A	
2"	2.375	1/2"	1.4	S70-201	A	
		3/4"	1.1	S70-203	A	
		1"	1.0	S70-204	A	10001 SWA-10001
		1-1/4"	3.6	S70-205	B	
		1-1/2"	3.4	S70-206	B	
2-1/2"	2.875	3/4"	1.7	S70-253	A	
		1"	1.6	S70-254	A	
		1-1/4"	3.8	S70-255	B	
		1-1/2"	3.6	S70-256	B	
3"	3.500	1/2"	1.9	S70-301	A	
		3/4"	1.8	S70-303	A	
		1"	1.7	S70-304	A	10004 SWA-10004
		1-1/2"	2.2	S70-401	A	
4"	4.500	3/4"	2.1	S70-403	A	
		1"	2.0	S70-404	A	10006 SWA-10006
		1-1/2"	4.1	S70-406	A	
		2"	4.8	S70-407	A	
		3/4"	2.6	S70-503	A	
5"	5.563	1"	2.5	S70-504	A	
		1/2"	2.9	S70-601	A	
		3/4"	2.8	S70-603	A	
6"	6.625	1"	2.8	S70-604	A	10010 SWA-10010
		1-1/2"	5.9	S70-606	A	
		2"	5.1	S70-607	A	10012 SWA-10012
		1/2"	3.7	S70-801-AWT	A	
		3/4"	3.6	S70-803	A	
8"	8.625	1"	3.6	S70-804	A	10014 SWA-10014
		1-1/2"	5.8	S70-806	A	
		2"	5.6	S70-807	A	
		3/4"	7.0	S70-1003	C	
		1"	7.0	S70-1004	C	10017 SWA-10017
10"	10.75	1-1/2"	10.4	*S70-S90-1006	C	
		2"	10.7	*S70-S90-1007	C	10019 SWA-10019 PVC
		3/4"	8.1	S70-1203	C	
		1"	7.8	S70-1204	C	10022 SWA-10022 PVC
12"	12.75	1-1/2"	11.3	*S70-S90-1206	C	
		2"	10.9	*S70-S90-1207	C	10024 SWA-10024

* These saddles will cover Steel size PVC and C900 PVC O.D. range.

FEATURES

- All brass conforms to AWWA Standard C800 (ASTM B-62 and/or ASTM B-584, UNS NO C83600 - 85-5-5-5)
- Style A Saddle body and strap permanently held together with silicon bronze pin
- Bolt is 5/16" slotted hex head silicon bronze for saddles sized 1-1/2" thru 8"
- A three-piece design with 1/2" silicon bronze bolts (3/4" hex head) is used for S70 Saddles sized 10" and 12"
- Approved to ANSI/NSF Standard 61 (2007a).
- 150 psi working pressure rating

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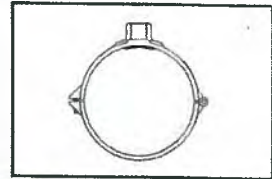
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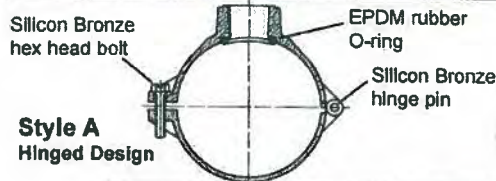
Submitted By:

SUBMITTAL INFORMATION

Brass Saddles For PVC - (S71-xxx style)



S71 BRASS SADDLES WITH IRON PIPE TAPS FOR STANDARD PVC PIPE



Style A
Hinged Design



Style B 2-Piece
Bolted Design



Style C 3-Piece
Bolted Design

PVC PIPE SIZE	ACTUAL O.D.	TAP SIZE	APPROX. WT. LBS.	CATALOG NO.	STYLE	✓ SUBMITTED ITEM(S)
1-1/2"	1.900	1/2"	1.0	S71-151	A	
		3/4"	1.0	S71-153	A	
2"	2.375	1/2"	1.4	S71-201	A	
		3/4"	1.1	S71-203	A	
		1"	1.0	S71-204	A	
		1-1/4"	3.6	S71-205	B	
		1-1/2"	3.4	S71-206	B	
2-1/2"	2.875	3/4"	1.7	S71-253	A	
		1"	1.6	S71-254	A	
		1-1/4"	3.8	S71-255	B	
		1-1/2"	3.6	S71-256	B	
		1/2"	1.9	S71-301	A	
3"	3.500	3/4"	1.8	S71-303	A	
		1"	1.7	S71-304	A	10003 SWA-10003
		2"	3.5	S71-307	B	
4"	4.500	1/2"	2.2	S71-401	A	
		3/4"	2.1	S71-403	A	
		1"	2.0	S71-404	A	
		1-1/2"	4.1	S71-406	A	
		2"	4.8	S71-407	A	10007 SWA-10007
5"	5.563	3/4"	2.6	S71-503	A	
		1"	2.5	S71-504	A	
		1/2"	2.9	S71-601	A	
		3/4"	2.8	S71-603	A	
6"	6.625	1"	2.8	S71-604	A	10009 SWA-10009
		1-1/4"	7.2	S71-605-AVT	A	
		1-1/2"	5.9	S71-606	A	
		2"	5.1	S71-607	A	10011 SWA-10011
		1/2"	3.7	S71-801	A	
8"	8.625	3/4"	3.6	S71-803	A	
		1"	3.6	S71-804	A	10013 SWA-10013
		1-1/2"	5.8	S71-806	A	
		2"	5.6	S71-807	A	10015 SWA-10015
		3/4"	7.0	S71-1003	C	
10"	10.75	1"	7.0	S71-1004	C	
		1-1/2"	10.4	*S71-S91-1006	C	
		2"	10.7	*S71-S91-1007	C	
		3/4"	8.1	S71-1203	C	
12"	12.75	1"	7.8	S71-1204	C	
		1-1/2"	11.3	*S71-S91-1206	C	
		2"	10.9	*S71-S91-1207	C	

* These saddles will cover Steel size PVC and C900 PVC O.D. range.

FEATURES

- All brass conforms to AWWA Standard C800 (ASTM B62 and/or ASTM B584, UNS NO C83600 - 85-5-5-5)
- Style A Saddle body and strap permanently held together with silicon bronze pin
- Bolt is 5/16" slotted hex head silicon bronze for saddles sized 1-1/2" thru 8"(except S71-307)
- A three-piece design with 1/2" silicon bronze bolts (3/4" hex head) is used for S70 Saddles sized 10" and 12"

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.



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Submitted By: