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Tapping Sleeves and Service Clamps

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Section E – Contents

Tapping Sleeves and Service Clamps

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OUC
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Material Specifications E 1.1

Tapping Sleeve – Split – 6” x 4” and 6” x 6”

AKA

Material:

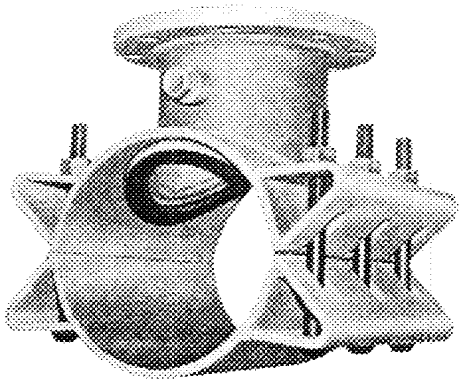
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 6.90” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
6” x 4”	080-09664
6” x 6”	080-09666

Manufacturer	**Catalog Number**
APAC Products	512-6.90
Ford Meter Box	FTSC-716
JCM Ind.	412-0690 (ESS)
Mueller	None
Romac	FTS420-7.16-SS
Smith-Blair	622-06900400-031 (6 x 4) 622-06900600-231 (6 x 6)
Water Works Mfg.	CT-790
Cascade	CFT 716 – 4 ESS CFT 716 – 6 ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.2

Tapping Sleeve – Split – 8” x 4” thru 8” x 8”

AKA

Material:

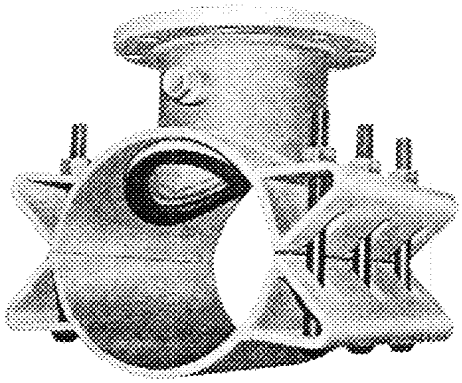
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 9.05” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
8” x 4”	080-09684
8” x 6”	080-09686
8” x 8”	080-09688

Manufacturer	**Catalog Number**
APAC Products	512-9.05
Ford Meter Box	FTSC-937
JCM Ind.	412-0905 (ESS)
Mueller	None
Romac	FTS420-9.37-SS
Smith-Blair	622-09050400 (8 x 4) 622-09050600-031 (8 x 6) 622-09050800-231 (8 x 8)
Water Works Mfg.	CT-790
Cascade	CFT 937 – 4 ESS CFT 937 – 6 ESS CFT 937 – 8 ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Tapping Sleeve – Split – 10” x 4” thru 10” x 10”

AKA

Material:

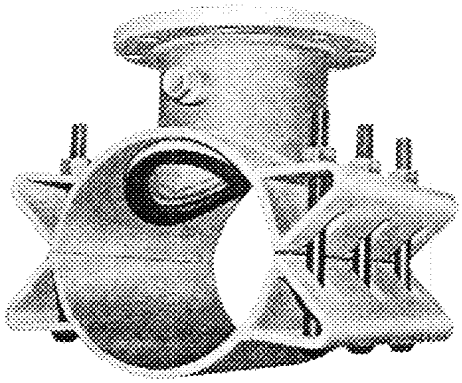
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 11.10” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
10” x 4”	080-09704
10” x 6”	080-09706
10” x 8”	080-09708
10” x 10”	080-09710

Manufacturer	Catalog Number
APAC Products	512-11.10
Ford Meter Box	FTSC-1147
JCM Ind.	412-1110 (ESS)
Mueller	None
Romac	FTS420-11.47-SS
Smith-Blair	622-11100400-031 (10 x 4) 622-11100600-031 (10 x 6) 622-11100800-031 (10 x 8) 622-11101000-231(10 x 10)
Water Works Mfg.	CT-790
Cascade	CFT 1147 – 4 ESS CFT 1147 – 6 ESS CFT 1147 – 8 ESS CFT 1147 – 10 ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.4

Tapping Sleeve – Split – 12” x 4” thru 12” x 12”

AKA

Material:

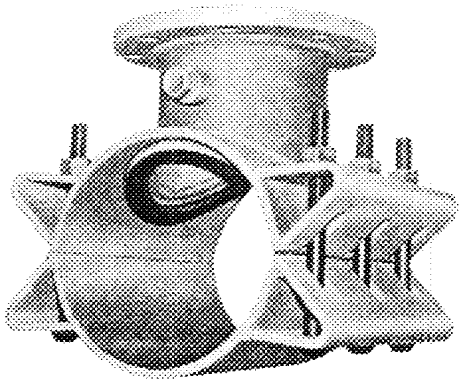
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 13.20” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
12” x 4”	080-09724
12” x 6”	080-09726
12” x 8”	080-09728
12” x 10”	080-09720
12” x 12”	080-09722

Manufacturer	**Catalog Number**
APAC Products	512-13.20
Ford Meter Box	FTSC-1360
JCM Ind.	412-1320 (ESS)
Mueller	None
Romac	FTS420-13.60-SS
Smith-Blair	622-13200400-031 (12 x 4) 622-13200600-031 (12 x 6) 622-13200800-031 (12 x 8) 622-13201000-031 (12x10) 622-13201200-231 (12x12)
Water Works Mfg.	CT-790
Cascade	CFT 1360 4 – ESS CFT 1360 6 – ESS CFT 1360 8 - ESS CFT 1360 10 – ESS CFT 1360 12 - ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.5

Tapping Sleeve – Split – 14” x 4” thru 14” x 12”

AKA

Material:

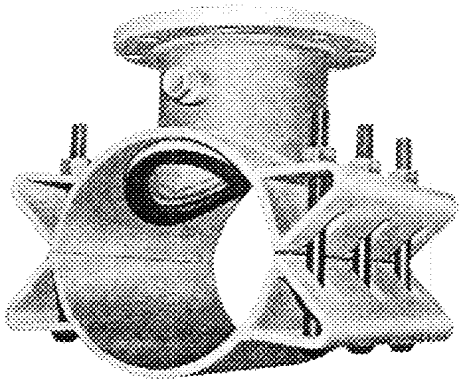
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 15.30” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
14” x 4”	080-09744
14” x 6”	080-09746
14” x 8”	080-09748
14” x 10”	080-09740
14” x 12”	080-09742

Manufacturer	**Catalog Number**
APAC Products	**512-15.30**
Ford Meter Box	**FTSC-1572**
JCM Ind.	412-1530 (ESS)
Mueller	None
Romac	FTS420-15.80-SS
Smith-Blair	622-15300400-031 (14 x 4) 622-15300600-031 (14 x 6) 622-15300800-031 (14 x 8) 622-15301000-031 (14x10) 622-15301200-031 (14x12)
Water Works Mfg.	CT-790
Cascade	CFT 1572 4 – ESS CFT 1572 6 – ESS CFT 1572 8 – ESS CFT 1572 10 – ESS CFT 1572 12 – ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.6

Tapping Sleeve – Split – 16” x 4” thru 16” x 12”

AKA

Material:

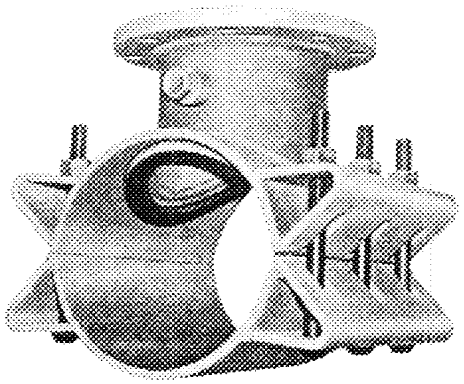
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 17.40” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
16” x 4”	080-09764
16” x 6”	080-09766
16” x 8”	080-09768
16” x 10’	080-09760
16” x 12”	080-09762

Manufacturer	**Catalog Number**
APAC Products	512-17.40
Ford Meter Box	FTSC-1787
JCM Ind.	412-1740 (ESS)
Mueller	None
Romac	FTS420-17.87-SS
Smith-Blair	622-17400400-031 (16 x 4) 622-17400600-031 (16 x 6) 622-17400800-031 (16 x 8) 622-17401000-031 (16x10) 622-17401200-031 (16x12)
Water Works Mfg.	CT-790
Cascade	CFT 1787 4 – ESS CFT 1787 6 – ESS CFT 1787 8 – ESS CFT 1787 10 – ESS CFT 1787 12 - ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Tapping Sleeve – Split – 20” x 6” thru 20” x 12”

AKA

Material:

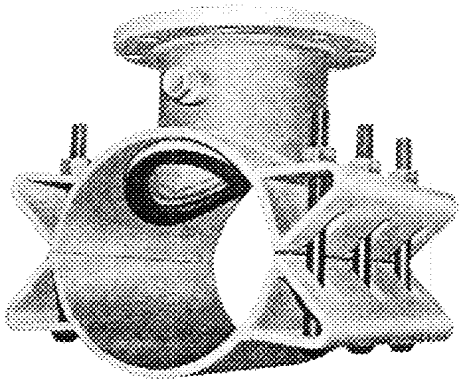
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 21.60” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID
20” x 6”	080-09806
20” x 8”	080-09808
20” x 10”	080-09800
20” x 12”	080-09802

Manufacturer	**Catalog Number**
APAC Products	512-21.60
Ford Meter Box	FTSC-2215
JCM Ind.	412-2160 (ESS)
Mueller	None
Romac	FTS420-22.15-SS
Smith-Blair	622-21600600-031 (20 x 6) 622-21600800-031 (20 x 8) 622-21601000-031 (20x10) 622-21601200-031 (20x12)
Water Works Mfg.	CT-790 CFT 2213 6 – ESS CFT 2213 8 – ESS CFT 2213 10 – ESS CFT 2213 12 – ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.8

Tapping Sleeve – Split – 24” x 6” thru 24” x 12”

AKA

Material:

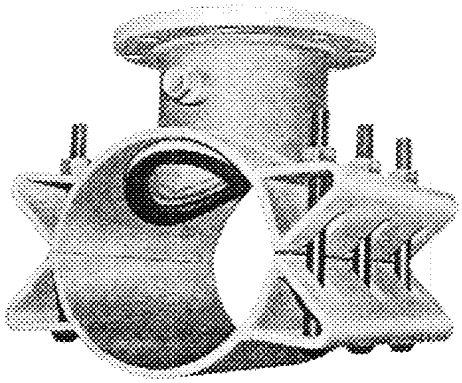
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 350 ductile iron pipe, 25.80” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID	Manufacturer	Catalog Number
24” x 6”	080-09846	APAC Products	512-25.80
24” x 8”	080-09848	Ford Meter Box	FTSC-2641
24” x 12”	080-09842	JCM Ind.	412-2580 (ESS)
		Mueller	None
		Romac	FTS420-26.41-SS
		Smith-Blair	622-25800600-031 (24 x 6) 622-25800800-031 (24 x 8) 622-25801200-031 (24x 2)
		Water Works Mfg.	CT-790
		Cascade	CFT 2641 6 – ESS CFT 2641 8 – ESS CFT 2641 12 – ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 1.9

Tapping Sleeve – Split – 30” x 6”

AKA

Material:

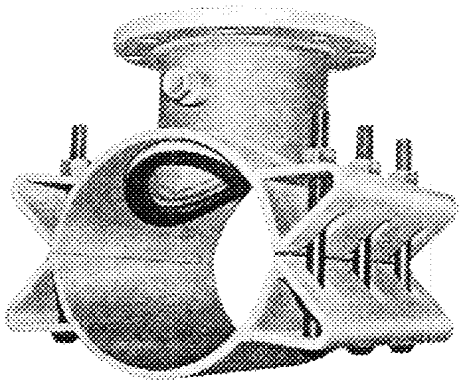
Body: Carbon steel ASTM A285 Grade C.
Flanged Outlet: ANSI/AWWA C207-94 Class D, 150 lb. drilling, recessed for tapping valve.
Gasket: Compounded for use with water.
Bolts & Nuts: Stainless steel 18-8 type 304.
Finish: Fusion applied epoxy coating.

Design:

Tapping sleeves must fit Pressure Class 250 ductile iron pipe, 32.00” O.D.

Special Features:

Overall stainless steel tapping valves are **NOT ACCEPTABLE.**



Size/Details	OUC Item ID	Manufacturer	**Catalog Number**
30” x 6”	080-09906	APAC Products	512-32.00
		Ford Meter Box	FTSC-3222
		JCM Ind.	412-3200 (ESS)
		Mueller	None
		Romac	FTS420-32.22-SS
		Smith-Blair	622-32000600-031
		Water Works Mfg.	CT-790
		Cascade	CFT 3222 6 – ESS

Revision Date: 6/07/04 (RNK)
9/30/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications	E 1.10

Tapped Full Circle Repair Clamp – 2” & 4” x 1” cc

AKA

Material:

Body: Stainless Steel Type 304.
Tapped Outlet: Stainless steel outlet welded to the band, with CC threads.
Gasket: Nitrile (Buna N)
Bolts & Nuts: High strength low-alloy steel ASTM A325 or A242 with heavy semi-finished hexagon nuts ASTM A563.

Design:

Tapped sleeve must fit Pressure Class 250 ductile iron pipe

Size/Details	OUC Item ID	Manufacturer	**Catalog Number**
2” x 1”cc	080-09902	Smith Blair	2”=238-00023807-009
4” x 1”cc	080-09904		4”=238-00045007-009

Revision Date: 4/08/08 (RNK)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.1

Service Clamp for C.I. Pipe – 4” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

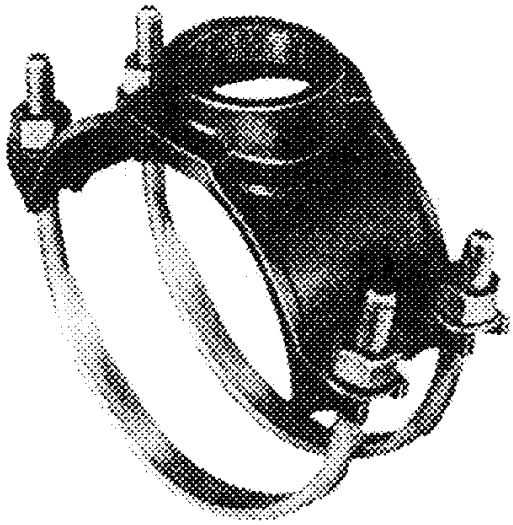
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped with approximate range of 4.74” thru 5.14” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
4” x 2”	073-01042

Manufacturer	Catalog Number
Dresser Mfg.	Style 91
Ford Meter Box	F202-526 x IP7
JCM Ind.	402-20545-14
Mueller	H 10501 or DB2A0450IP200
Smith-Blair	313-051414-000 DI 313-056314-000 CAST
Romac	202U-480x2” IP

Revision Date: 3/28/08 (RNK)
6/07/04 (RNK)
10/13/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.1a

Service Clamp for C.I. Pipe – 3” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

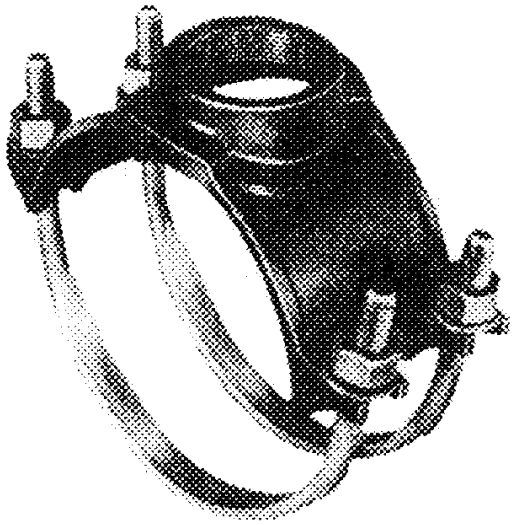
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 3.74” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
3” x 2”	073-01032	Smith-Blair	313-041314-000
		Romac	202U-405 x 2”IP

Revision Date: 3/28/08 (RNK)
6/29/99 (RNK)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.1b

Service Clamp for C.I. Pipe – 3” x 1” Transite

AKA “AC”

Material:

Body: Cast bronze, ASTM-B584, 85-5-5-5
Bale and Nuts: Copper silicon alloy 651 bolt temper, ASTM-B98.
Washers: Silicon bronze, ASTM-B36.
Gasket: Grade 60 Buna N-compounded to resist oil, alkalies, most (aliphatic) hydrocarbon fluids, water and many chemicals. Temperatures up to 212ºF.

Design:

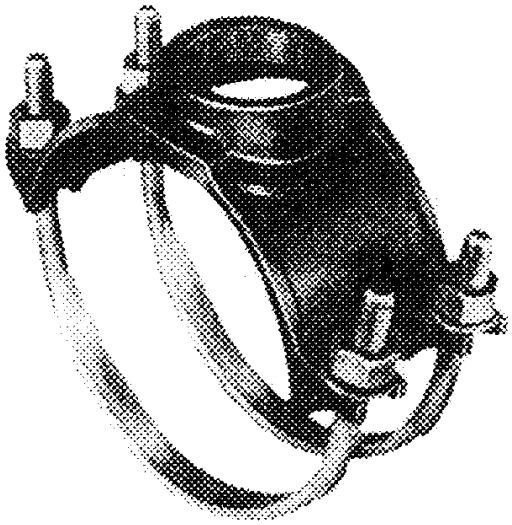
For Transite (AC) pipe.

Connection:

Female iron pipe threading.

Pipe Size:

3.80-4.13



Size/Details	OUC Item ID	Manufacturer	Catalog Number
3” x 1”	073-00931	Smith-Blair	323-041309-000

Revision Date: 9/13/99 (RNK)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.2

Service Clamp for C.I. Pipe – 6” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

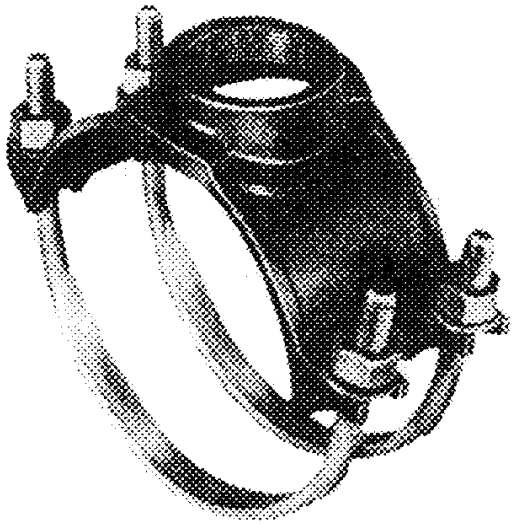
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 6.90” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
6” x 2”	073-01062

Manufacturer	Catalog Number
Dresser Mfg.	Style 91
Ford Meter Box	F202-760 x IP7
JCM Ind.	402-0745-14
Mueller	H 10505 or DB2A0663IP200
Smith-Blair	313-069014-000 DI 313-076014 CAST
Romac	202U-690 x 2” IP

Revision Date: 3/28/08 (RNK)
6/07/04 (RNK)
10/13/98 (DSW)

OUC The *Reliable* One®

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.3

Service Clamp for C.I. Pipe – 8” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

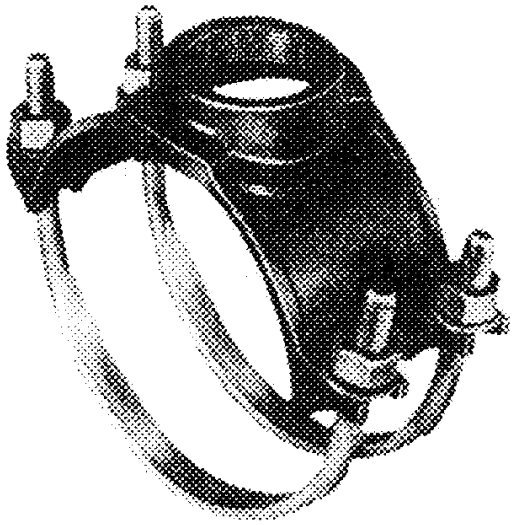
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 9.05” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
8” x 2”	073-01082

Manufacturer	Catalog Number
Dresser Mfg.	Style 91
Ford Meter Box	F202-979 x IP7
JCM Ind.	402-0963-14
Mueller	H 10509 or DB2A0905IP200
Smith-Blair	313-101014-000 CAST 313-09051-4000 DI
Romac	202U – 905 x 2” IP

Revision Date: 3/28/08 (RNK)
6/07/04 (RNK)
10/13/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.4

Service Clamp for C.I. Pipe – 10” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

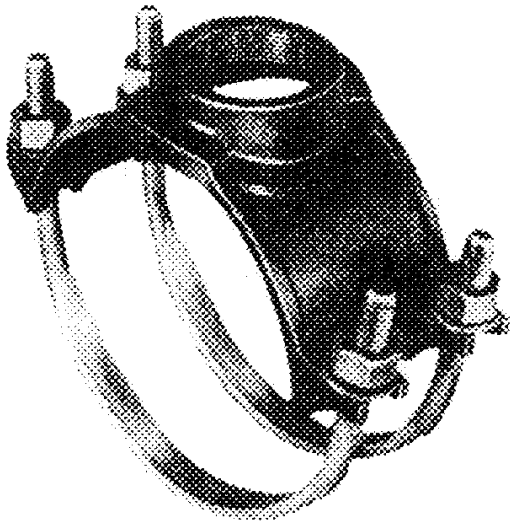
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 11.10” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
10” x 2”	073-01102	Dresser Mfg.	Style 91
		Ford Meter Box	F202—1212 x IP7
		JCM Ind.	402-1140-14
		Mueller	H 10512 or DB2A1050IP200
		Smith-Blair	313-121214-000
		Romac	202U-1110 x 2” IP

Revision Date: 3/28/08 (RNK)
10/13/98 (DSW)

The *Reliable* One®

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.5

Service Clamp for C.I. Pipe – 12” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

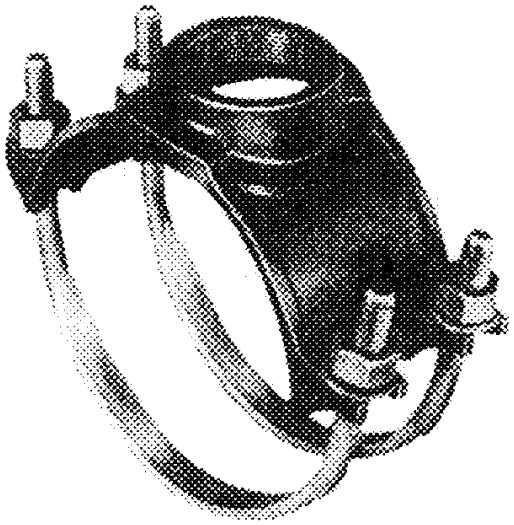
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 13.20” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
12” x 2”	073-01122	Dresser Mfg.	Style 91
		Ford Meter Box	F202-1438 x IP7
		JCM Ind.	402-1350-14
		Mueller	H 10515 or DB2A1306IP200
		Smith-Blair	313-143214-000
		Romac	202U-1320 x 2” IP

Revision Date: 9/25/08 (RNK)
10/13/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.6

Service Clamp for C.I. Pipe – 16” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

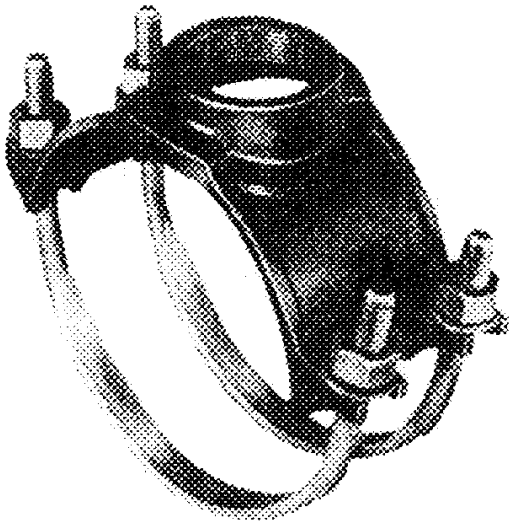
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 17.40” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
16” x 2”	073-01162

Manufacturer	Catalog Number
Dresser Mfg.	None
Ford Meter Box	F202-1840 x IP7
JCM Ind.	402-1888-14
Mueller	None
Smith-Blair	313-188814-000
Romac	202U-1890 x 2” IP

Revision Date: 9/25/08 (RNK)
10/13/98 (DSW)

OUC The *Reliable* One®

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.7

Service Clamp for C.I. Pipe – 20” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

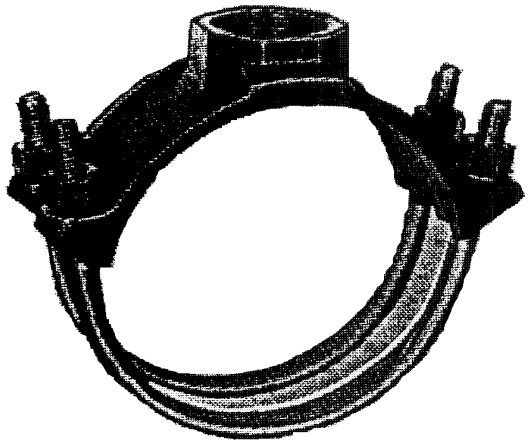
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 21.60” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
20” x 2”	073-01202	Dresser Mfg.	None
		Ford Meter Box	F202-2220 x IP7
		JCM Ind.	402-2260-14
		Mueller	None
		Smith-Blair	None
		Romac	202U-2270 x 2” IP

Revision Date: 9/25/08 (RNK)
10/13/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 2.8

Service Clamp for C.I. Pipe – 24” x 2” IPT

AKA

Material:

Body: Malleable iron or ductile iron.
Straps: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal or stainless steel.
Washers: Carbon steel, electro-galvanized with di-chromate seal or stainless steel.
Gasket: Neoprene or equal.

Design:

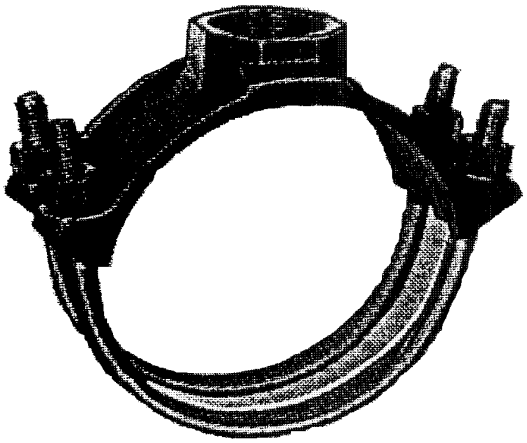
For ductile iron and cast iron pipe.

Connection:

Female iron pipe threading.

Special Features:

Clamps must be double strapped for 25.80” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
24” x 2”	073-01242	Dresser Mfg.	None
		Ford Meter Box	F202-2650 x IP7
		JCM Ind.	402-2650-14
		Mueller	None
		Smith-Blair	None

Origin Date: 10/13/98 (DSW)
Revision Date:

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 3.1

Service Clamp for C900 - 4” thru 8” PVC Pipe

AKA

Material:

Body: Cast bronze 85-5-5-5.
Strap: Cast bronze 85-5-5-5.
Bolts & Nuts: Silicon bronze grade ASTM B98 or stainless steel.
Gasket: Grade 60 “O”-ring or equal.

Design:

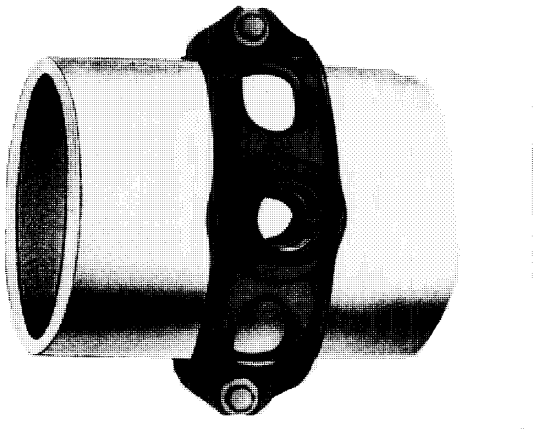
For C900 PVC pipe.

Connection:

CC threading.

Special Features:

Clamp must be strapped 4.80” O.D. for 4”, 6.90” O.D. for 6”, and 9.05” O.D. for 8”. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
4” x ¾”	073-01034	Ford Meter Box	S90 Series
4” x 1”	073-01041	JCM Ind.	None
6” x ¾”	Non-stock	Mueller	H-13000 Series
6” x 1”	Non-stock	Power Seal	Style 3407
8” x ¾”	Non-stock	Smith-Blair	323 Series
8” x 1”	Non-stock	Cambridge Brass	800 or 810 Series

Revision Date: 10/01/04 (RNK)
10/13/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Service Clamp for Class 200 2” PVC Pipe (CC)

AKA

Material:

Body: Cast bronze 85-5-5-5.
Strap: Cast bronze 85-5-5-5.
Bolts & Nuts: Silicon bronze grade ASTM B98 or stainless steel.
Gasket: Grade 60 “O” ring or equal.

Design:

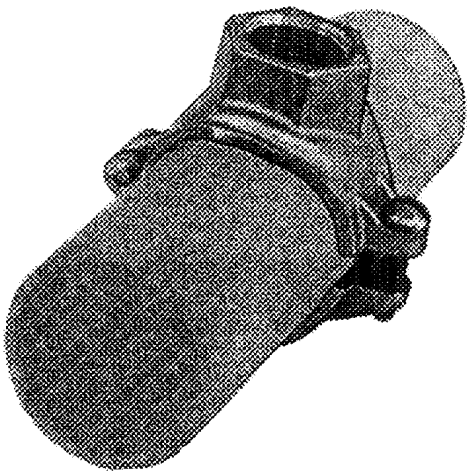
For Class 200 PVC Pipe (IPS O.D.)

Connection:

CC threading.

Special Features:

Clamp must be strapped for 2.375” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
2” x ¾”	073-01334
2” x 1”	073-01321

Manufacturer	Catalog Number
A. Y. McDonald	Model 3801
Ford Meter Box	S70-203 (2” x ¾”)
	S70-204 (2” x 1”)
JCM Ind.	None
Mueller	H-13420
Power Seal	CC Style 3401
Smith-Blair	391-023807-000 (2” x ¾”)
	391-023809-000 (2” x 1”)
Cambridge Brass	800 Series

Revision Date: 10/01/04 (RNK)
6/07/04 (RNK)
10/20/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Service Clamp for Class 200 4” PVC Pipe (CC)

AKA

Material:

Body: Cast bronze 85-5-5-5.
Strap: Cast bronze 85-5-5-5.
Bolts & Nuts: Silicon bronze grade ASTM B98 or stainless steel.
Gasket: Grade 60 “O” ring or equal.

Design:

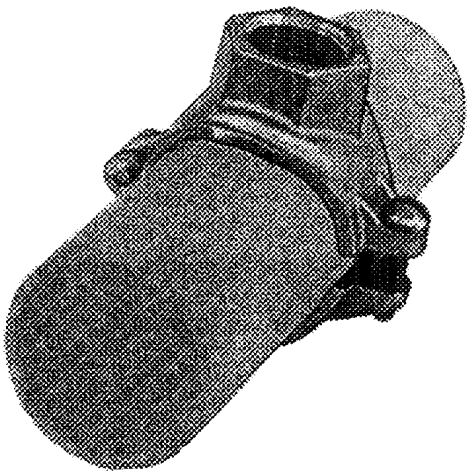
For Class 200 PVC Pipe (IPS O.D.)

Connection:

CC threading.

Special Features:

Clamp must be strapped for 4.50” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
4” x ¾”	073-01434	B. Y. McDonald	Model 3801
4” x 1”	073-01441	Ford Meter Box	S70-403 (4” x ¾”)
			S70-404 (4” x 1”)
		JCM Ind.	None
		Mueller	H-13428
		Power Seal	CC Style 3401
		Smith-Blair	381-045007-000 (4” x ¾”)
			381-045009-000 (4” x 1”)
		Cambridge Brass	800 Series

Revision Date: 10/01/04 (RNK)
10/20/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Service Clamp for Class 200 4” PVC Pipe (IPT)

AKA

Material:

Body: Cast bronze 85-5-5-5.
Strap: Cast bronze 85-5-5-5.
Bolts & Nuts: Silicon bronze grade ASTM B98 or stainless steel.
Gasket: Grade 60 “O” ring or equal.

Design:

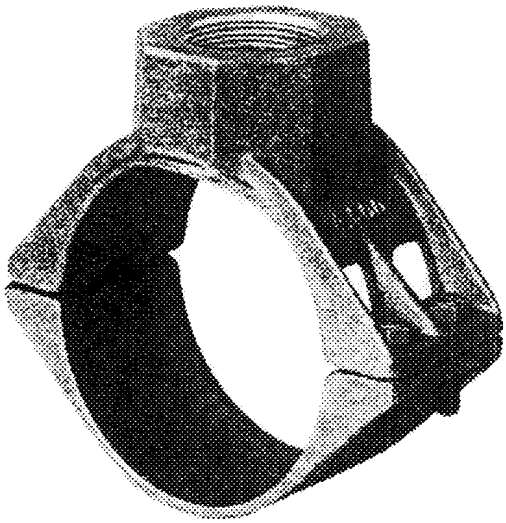
For Class 200 PVC Pipe (IPS O.D.)

Connection:

IPT threading.

Special Features:

Clamp must be strapped for 4.50” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID	Manufacturer	Catalog Number
4” x 2”	073-01442	A.Y. McDonald	Model 3801
		Ford Meter Box	S71-407
		JCM Ind.	None
		Mueller	H-13428
		Power Seal	IPS – Style 3402
		Smith-Blair	381-045014-000
		Cambridge Brass	800 Series

Revision Date: 10/01/04 (RNK)
10/20/98 (DSW)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 5.1

Service Clamp for 2” Steel Pipe (CC)

AKA

Material:

Body: Malleable iron or ductile iron.
Strap: Flat carbon steel, electro-galvanized with di-chromate seal.
Nuts: Cold formed semi-finished heavy hex steel with di-chromate seal.
Washers: Carbon steel, electro-galvanized with di-chromate seal.
Gasket: Neoprene or equal.

Design:

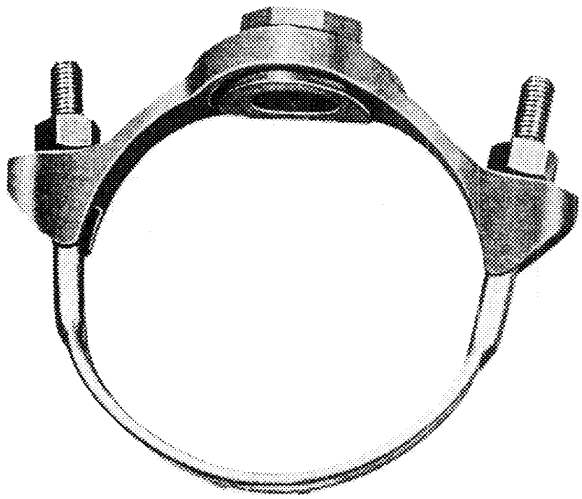
For steel pipe.

Connection:

CC threading.

Special Features:

Clamp to be single strapped for 2.375” O.D. Gasket to be cemented in place.



Size/Details	OUC Item ID
2” x ¾”	073-01114
2” x 1”	073-01021

Manufacturer	Catalog Number
Dresser Mfg.	Style 91
Ford Meter Box	F101-250 x CC3
JCM Ind.	401-0238 CC
Mueller	DB2A0235IP075 (¾”) DB2A0235IP100 (1”)
Smith-Blair	311-025607-000 (2” x ¾”) 311-025609-000 (2” x 1”)

Revision Date: 10/20/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 6.1

Service Clamp for 2” IPS HDPE (cc)

AKA

Material:

Body: Ductile iron per ASTM A-536, 10-12 mil thick nylon fusion coating.
Straps: Twin 2’ wide stainless steel, type 304 – per ASTM A-240**.**
Bolts & Nuts: Heavy hex, stainless steel type 304 – per ASTM A-193 and A-194 respectively.
Gasket: Virgin NBR compounded for water service.

Design:

For use on iron pipe size (IPS) HDPE – 2.375” O.D.

Connection:

CC threading.

Special Features:

Service clamp must be double strapped. Gasket must be cemented in place.

Size/Details	OUC Item ID	Manufacturer	Catalog Number
2”x ¾”	073-02234	Romac	202N-H-2.50x ¾”x CC
2”x 1”	073-02021		202N-H-2.50x1”x CC

Origin Date: 9/3/98 (DSW)
Revision Date: 7/13/99 (RNK)

OUC The Reliable One

Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION

Material Specifications E 6.2

Service Clamp for 4” IPS HDPE (cc)

AKA

Material:

Body: Ductile iron per ASTM A-536, 10-12 mil thick nylon fusion coating.
Straps: Twin 2’ wide stainless steel, type 304 – per ASTM A-240**.**
Bolts & Nuts: Heavy hex, stainless steel type 304 – per ASTM A-193 and A-194 respectively.
Gasket: Virgin NBR compounded for water service.

Design:

For use on iron pipe size (IPS) HDPE – 4.50” O.D.

Connection:

CC threading.

Special Features:

Service clamp must be double strapped. Gasket must be cemented in place.

Size/Details	OUC Item ID	Manufacturer	Catalog Number
4”x ¾”	073-02434	Romac	202N-H-4.50x ¾”x CC
4”x 1”	073-02041		202N-H-4.50x1”x CC

Origin Date: 7/13/99 (RNK)
Revision Date: 9/3/98 (DSW)

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Material Specifications
Water Business Unit
ORLANDO UTILITIES COMMISION