

# **MATERIAL STANDARDS**

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- **POTABLE WATER**
- **WASTEWATER**
- **RECLAIMED WATER**

**Gainesville Regional Utilities**  
Water and Wastewater Engineering Department



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## Accessory package, MJ, no Gland

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Accessory kit includes MJ standard gasket, C153 t-bolts, and nuts with no gland.

### Application

For use with MJ restraints and megalugs.

### GRU Stock Information

#### ACCESSORY PACKAGE, MJ, NO GLAND

##### Stock Number

##### Stock Description

|           |     |
|-----------|-----|
| 000799602 | 6"  |
| 000799653 | 8"  |
| 000799807 | 10" |
| 000799858 | 12" |
| 000799904 | 16" |
| 000799955 | 24" |
| 000800007 | 4"  |
| 000803308 | 20" |
| 000803359 | 30" |
| 000803405 | 36" |
| 000803963 | 3"  |

\*For GRU use only: an X indicates item is stockless

### National Standards

AWWA C153/A21.53

See Appendix A for full description of standards

## Accessory Package, Flange, SS316

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### GRU Stock Information

#### ACCESSORY PACKAGE, FLANGE, SS316

##### Stock Number

##### Stock Description

000800651

3"

000800708

4"

### Material Description

Accessory Package contains 1/8" thick 150 lbs. full face red rubber or neoprene gasket and 316 Stainless Steel bolts and nuts. Conforms with AWWA C-110, ANSI/ASME B18.2.1 and B18.2.2.

### Application

For use with Flanged valves and tapping sleeves

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI B18.2.1 - Heads

ANSI/ASME B18.2.2

ASTM F593

AWWA C110

See Appendix A for full description of standards

## Accessory Package, Flange, Carbon Steel

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Accessory Package contains 1/8" thick 150 lbs. full face red rubber or neoprene gasket and Carbon steel hardware. Conforms with AWWA C-110, ANSI/ASME B18.2.1 and B18.2.2.

### Application

For use with Flanged valves and tapping sleeves

### GRU Stock Information

#### ACCESSORY PACKAGE, FLANGE, CARBON STEEL

##### Stock Number

##### Stock Description

|           |    |
|-----------|----|
| 000240702 | 6" |
| 000240753 | 8" |
| 000804576 | 4" |
| 000804827 | 3" |

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



# Accessory Package, Dropbowl Anchors

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Reline/Duran



## Material Description

Self tapping 3/8" stainless hex head screws for use in concrete.

## Application

Anchoring hardware for use with drop bowl brackets and fittings in manhole and lift station wetwell environments.

## GRU Stock Information

### ACCESSORY PACKAGE, DROPBOWL ANCHORS

#### Stock Number

000801267

#### Stock Description

Dropbowl Anchors Package

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Adapter, Cleanout

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

LASCO Fittings, Inc

Open Market

### Model/Series #

D101



## Material Description

Fitting shall be PVC DWV schedule 40, hub x FIPT, and shall be furnished without a threaded plug.

## Application

For use on upper terminus cleanout in wastewater systems.

## GRU Stock Information

### ADAP, CLEANOUT PVC HUB x FPT

#### Stock Number

000098604

000098655

#### Stock Description

4"

6"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2665 - Materials (PVC)

See Appendix A for full description of standards

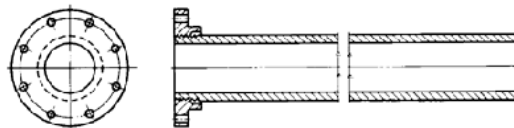
# Adapter, DI, FL x PE

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

American Cast Iron Pipe Co

Flg Pipe FLxPE

US Pipe & Foundry Co

FPPMP

## Material Description

Ductile iron pipe, plain end x flange. Pressure rated to 350 psi, with cement lining and seal coat 1-mil, interior and exterior.

## Application

In-line connection of flanged pipe and/or fittings with plain end mechanical joint interfaces, pipe and/or fittings.

## GRU Stock Information

### ADAP, CEM LINED F- PE

#### Stock Number

#### Stock Description

|           |                     |
|-----------|---------------------|
| 000193607 | 8" Dia x 96" Length |
| 000227706 | 6" Dia x 24" Length |
| 000444847 | 6" Dia x 96" Length |
| 000487929 | 8" Dia x 48" Length |
| 000517143 | 4" Dia x 96" Length |
| 000613002 | 6" Dia x 48" Length |
| 000804428 | 3" Dia x 96" Length |
| 000805866 | 3" Dia x 48" Length |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Flange

AWWA C153 - Ductile Iron

AWWA C154 - Cement Lining/Seal

NSF 61 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

A-12.00  
8/17/2023

## Adapter, DI, FL x FL

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

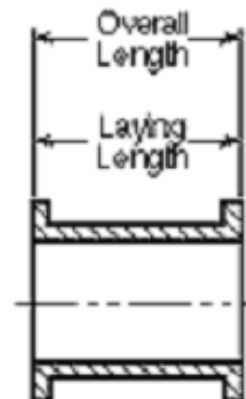
#### Manufacturer Name

American Cast Iron Pipe Co

US Pipe & Foundry Co

#### Model/Series #

Fig Pipe FLxFL



### Material Description

Ductile iron pipe, flange x flange. Pressure rated to 350 psi, with cement lining and seal coat 1-mil, interior and exterior.

### Application

In-line connection of flanged pipe and concrete fittings to flanged pipe and/or fitting interfaces.

### GRU Stock Information

#### ADAPTER, CEMENT LINED CL 53 (F- F)

| Stock Number | Stock Description |
|--------------|-------------------|
| 000136107    | 3" x 12"          |
| 000136158    | 3" x 48"          |
| 000136204    | 4" x 12"          |
| 000136255    | 4" x 48"          |
| 000136301    | 6" x 16"          |
| 000136352    | 6" x 72"          |
| 000136409    | 8" x 16"          |
| 000136506    | 8" x 72"          |

\*For GRU use only: an X indicates item is stockless

### National Standards

AWWA C104 - Cement Lining/Seal

AWWA C110 - Flange

AWWA C153 - Ductile Iron

NSF 61 - Ductile Iron

See Appendix A for full description of standards

## Adapter, DI, MJ x FL

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

It features a "mechanical joint" style connection which have machine drilled holes for proper installation on one side and a "flange connection on the other which also has drilled holes. Hence the adapter allows you to go from a Mechanical Joint connection to a Flange connection. The mechanical joint utilizes a nut and bolt system, and depending on the size of the pipe, there will be more bolts required for a secure connection.

### Application

An adapter is an important fitting as it is used in order to connect two sections of iron pipes or fittings together. An adapter is an important fitting as it is used in order to connect two sections of iron pipes or fittings together.

### GRU Stock Information

ADAPTER, DI, MJxFL,

#### Stock Number

#### Stock Description

|        |    |
|--------|----|
| 805041 | 3" |
| 805092 | 4" |
| 806331 | 6" |
| 806382 | 8" |

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI/AWWA C111/A21.11 - Gasket  
ANSI/AWWA C153/A21.53 - DI Fittings  
NSF 61 - Ductile Iron  
NSF/Ansi 372

See Appendix A for full description of standards

# Adapter, Flanged, DI

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

EBAA Iron Sales, Inc

### Model/Series #

1000



## Material Description

Flange adapter for use with iron pipe. Product components; ductile iron adapter body, rubber gasket, heat treated steel set screws. Furnish accessory bolt & gland kits per applicable national standards, GRU approved products.

## Application

Iron-iron, flanged joints.

## GRU Stock Information

### ADAP, FL 125LB, DI

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000183458 | 12" (13.20" OD) |
| 000258407 | 4" (4.80" OD)   |
| 000258458 | 6" (6.90" OD)   |
| 000258504 | 8" (9.05" OD)   |
| 000805912 | 3" (3.96" OD)   |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C110 - Bolts & Holes

ASTM A536 - Ductile Iron

ASTM D2774 - Pressure Testing

AWWA A21.10 - Bolts & Holes

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

A-20.00  
8/18/2023

# Adapter, Flanged, DI, Restrained

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

JCM Industries

### Model/Series #

301-R



## Material Description

Restrained flange adapter for use with cast/ductile iron pipe. Materials include: flange, ductile iron body, rubber gasket, high strength, low-alloy steel fasteners. Furnish with set screws and fusion bonded epoxy coating.

## Application

Connect plain end pipe to flanged fittings, meters, valves & equipment.

## GRU Stock Information

### ADAP, FL 125LB, DI

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000258695 | 4" (4.80" OD)   |
| 000258741 | 6" (6.90" OD)   |
| 000258792 | 8" (9.05" OD)   |
| 000258849 | 10" (11.10" OD) |
| 000805963 | 3" (3.80" OD)   |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron  
ASTM D2774 - Pressure Testing  
AWWA C219 - Couplings  
AWWA C600 - Pressure Testing

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

A-20.10  
8/18/2023

# Adapter, Grip CTS x MNPT

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74753G                |
| Ford Meter Box Company, Inc. | C84-44-G-NL (1")      |
| Ford Meter Box Company, Inc. | C84-77-G-NL (2")      |
| Mueller Company              | H-15428N              |



## GRU Stock Information

### ADAPTER, GRIP MALE

#### Stock Number

#### Stock Description

802239

1"

803529

2"

## Material Description

Brass Fitting, CTS Compression to Male National Pipe Thread (MNPT)

## Application

Used on water services

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

A-23.00  
6/18/2024



## Adapter, CC x GRIP CTS

### Material Item Approved for Use In

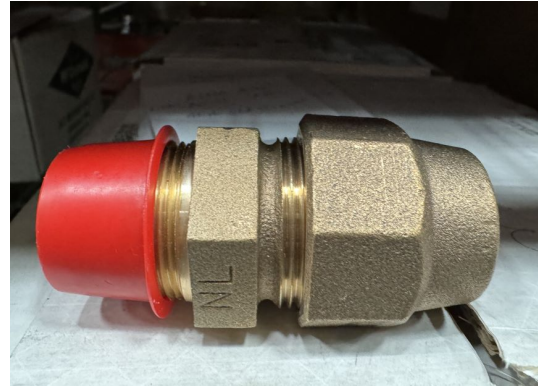
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74751G                |
| Ford Meter Box Company, Inc. | F60-4-4-G-NL          |
| Mueller Company              | H-15428N              |



### GRU Stock Information

ADAPTER, GRIP x CC, 1"

#### Stock Number

805173

#### Stock Description

1"

### Material Description

Brass Fitting, CTS Compression to CC

### Application

Water services

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

NSF 61 - Water System Components

See Appendix A for full description of standards

# Adapter, Restrained Flange, Megaflange

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

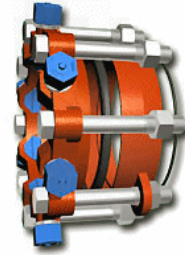
## Approved Manufacturers

### Manufacturer Name

EBAA Iron Sales, Inc

### Model/Series #

2100



## Material Description

Fully restrained flange adapter with Mega-bond restraint coating system, constructed of Ductile Iron.

## Application

For adapting and restraining a plain end of ductile iron, pvc, or steel pipe to a flange. Not for use on plain end fittings.

## GRU Stock Information

### ADAPTER, RESTRAINED FLANGE, MEGAFLANGE

#### Stock Number

000801895

#### Stock Description

4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

ASTM D2774 -Hydrostatic Testing

AWWA C600 - Hydrostatic Testing

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

A-30.00

7/1/2022

## Base, Manhole Section (Closed Bottom) 4' DIA

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

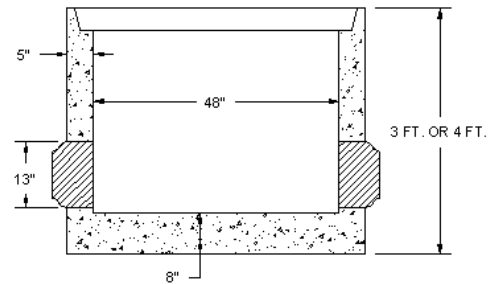
#### Manufacturer Name

#### Model/Series #

Del Zotto Products

Forterra

Standard Precast, Inc



### GRU Stock Information

#### BASE, MH CLSD BOTT 4' DIA

#### Stock Number

#### Stock Description

|           |                         |
|-----------|-------------------------|
| 000535907 | 3' x 48" w/ penetration |
| 000544493 | 4' x 48" w/ penetration |
| 000544507 | 4' x 48"                |
| 000803812 | 2' x 48" w/ penetration |

### Material Description

Manhole base w/closed bottom shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.. Knockouts: boots, 13" dia. @ 180 deg. Joint: tongue and groove w/ram-nek primer. Manhole base is 4' in diameter by 3' or 4' high/tall.

### Application

For junctions and access points in wastewater systems.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM C443/AASHTO M198 - Rubber Gaskets

ASTM C478/AASHTO M199 - Precast Concrete

CAN/CSA A257.4 - Precast Concrete

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-01.00  
7/5/2023

## Base, Manhole Section (Closed Bottom) 6' DIA

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

Del Zotto Products

Forterra

Oldcastle Precast Inc.

Standard Precast, Inc



### GRU Stock Information

#### BASE, MH CLSD BOTT 6' DIA

#### Stock Number

#### Stock Description

### Material Description

Manhole base w/closed bottom shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.. Knockouts: boots, 13" dia. @ 180 deg. Joint: tongue and groove w/ram-nek primer. Manhole base is 6' in diameter by 3' or 4' high/tall.

### Application

For junctions and access points in wastewater systems.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM C443/AASHTO M198 - Rubber Gaskets

ASTM C478/AASHTO M199 - Precast Concrete

CAN/CSA A257.4 - Precast Concrete

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-01.10  
2/23/2024

# Base, Manhole Section, Polymer, 4ft Dia

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Armorock



## Material Description

Manhole base w/closed bottom. 48 inches in diameter precast polymer material. 3/4 Depth troughing). 2 NPC Boots at 0 and 180 degrees.

## Application

For junctions and access points in wastewater systems.

## GRU Stock Information

### BASE, MH, ARMOROCK, 4FT DIA

#### Stock Number

#### Stock Description

000804614

3FT TALL

000804665

4FT TALL

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C443 - Precast Reinforced Concrete

ASTM C478 - Manhole Sections

ASTM C579 Compressive Strength of Polymer Concretes

ASTM C580 Flexural Strength of Polymer Concretes

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-01.20

5/8/2023

## Bend, Anchoring, DI (Swivel x Swivel)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

### Material Description

Fitting shall be cement-lined ductile iron, coated on interior and exterior with a 1-mil asphaltic seal coating and shall be pressure rated to pressure class 350. Fitting shall be provided with swivel type gland on each end.

### Application

For use in potable water systems and reclaimed water systems.

### GRU Stock Information

**BEND, ANCHOR 6"- 90 DEG DI-CEM LINED**

#### Stock Number

000347949

#### Stock Description

6" x 90 deg

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI C110 - DI Fittings

ANSI C153 - DI Fittings

ASTM A536 - DI Castings

NSF 61 - Drinking Water Systems

See Appendix A for full description of standards

## Bend, DI, Cement Lined (FL x FL)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Fitting shall be ductile iron, coated on interior and exterior with a 1-mil asphaltic seal coating. Flanges shall be pressure rated to a minimum of 250 psi working pressure.

### Application

For use in potable water systems and reclaimed water systems.

### GRU Stock Information

#### BEND, DI, CEM LINED F- F

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000004537 | 4" x 90 deg |
| 000004545 | 6" x 45 deg |
| 000004634 | 6" x 90 deg |
| 000004731 | 8" x 90 deg |
| 000518751 | 4" x 45 deg |
| 000553387 | 8" x 45 deg |
| 000804371 | 3" x 90 deg |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - DI Castings

AWWA C104 - DI Lining/Coating

AWWA C110/C153 - DI Fittings

NSF 61 - Potable Water

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-12.20  
5/12/2023

## Bend, DI, Cement Lined, MJ x MJ (3"-8")

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### GRU Stock Information

#### BEND, DI, CEM LINED MJ-MJ

##### Stock Number

##### Stock Description

|           |                 |
|-----------|-----------------|
| 000106062 | 8" x 11-1/4 deg |
| 000152129 | 6" x 11-1/4 deg |
| 000174173 | 8" x 22-1/2 deg |
| 000345059 | 8" x 90 deg     |
| 000409359 | 6" x 90 deg     |
| 000505854 | 6" x 45 deg     |
| 000642401 | 6" x 22-1/2 deg |
| 000751413 | 8" x 45 deg     |
| 000800201 | 4" x 45 deg     |
| 000800767 | 4" x 90 deg     |
| 000803642 | 3" x 90 deg     |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - DI Castings

AWWA C104 - Lining

AWWA C110 - DI Fittings

AWWA C153 - DI Fittings

See Appendix A for full description of standards

### Material Description

Fitting shall be cement-lined ductile iron, for use in domestic potable water and reclaimed water systems, coated on interior and exterior with a 1-mil asphaltic seal coating, and shall be pressure rated to pressure class 350. Fitting shall be provided less gland accessories.

### Application

For use in potable water and reclaimed water systems.



# Bend, DI, Cement Lined, MJ x MJ (12"-24")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

### BEND, DI, CEM LINED MJ-MJ

#### Stock Number

#### Stock Description

|           |                  |
|-----------|------------------|
| 000028711 | 20" x 90 deg     |
| 000028967 | 20" x 45 deg     |
| 000120952 | 16" x 90 deg     |
| 000121053 | 16" x 11-1/4 deg |
| 000121452 | 16" x 45 deg     |
| 000121606 | 16" x 22-1/2 deg |
| 000359254 | 12" x 90 deg     |
| 000799017 | 24" x 22 1/2 deg |
| 000799068 | 24" x 45 deg     |
| 000799114 | 24" x 90 deg     |
| 000802719 | 12" x 11 1/4 deg |
| 000825328 | 12" x 45 deg     |
| 000839159 | 12" x 22-1/2 deg |

\*For GRU use only: an X indicates item is stockless

## Application

For use in potable water and reclaimed water systems.

## National Standards

ASTM A536 - DI Castings

AWWA C104 - Lining

AWWA C110 - DI Fittings

AWWA C153 - DI Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-12.40

7/1/2022

## Bend, DI, Epoxy lined (FL x FL)

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Fitting shall be ceramic epoxy-lined (Protecto 401) ductile iron coated on exterior with a 1-mil asphaltic seal coating. Fitting exterior shall be marked to indicate "Epoxy Lined - 40 mils minimum, P401". Flanges shall be pressure rated to a minimum of 250 psi working pressure.

### Application

For use in wastewater systems.

### GRU Stock Information

#### BEND, EPOXY LINED

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000165603 | 4" x 90 deg |
| 000165654 | 4" x 45 deg |
| 000165751 | 6" x 90 deg |
| 000165808 | 6" x 45 deg |
| 000165905 | 8" x 90 deg |
| 000165956 | 8" x 45 deg |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - DI Castings  
AWWA C104 - Lining  
AWWA C110 - DI Fittings  
AWWA C153 - DI Fittings

See Appendix A for full description of standards

# Bend, DI, Epoxy lined (MJ x MJ) (4"-16")

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

### BEND, EPOXY LINED

#### Stock Number

#### Stock Description

|           |                  |
|-----------|------------------|
| 000006510 | 4" x 90 deg      |
| 000006528 | 4" x 45 deg      |
| 000166057 | 6" x 90 deg      |
| 000166103 | 6" x 45 deg      |
| 000166154 | 6" x 22-1/2 deg  |
| 000166251 | 6" x 11-1/4 deg  |
| 000166308 | 8" x 90 deg      |
| 000166359 | 8" x 45 deg      |
| 000166405 | 8" x 22-1/2 deg  |
| 000166456 | 8" x 11-1/4 deg  |
| 000166502 | 12" x 90 deg     |
| 000166553 | 12" x 45 deg     |
| 000166596 | 12" x 22-1/2 deg |
| 000800287 | 16" x 45 deg     |
| 000801739 | 10" x 45 deg     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - DI Castings

AWWA C104 - Lining

AWWA C110 - DI Fittings

AWWA C153 - DI Fittings

See Appendix A for full description of standards

## Material Description

Fitting shall be ceramic epoxy-lined (Protecto 401) coated on exterior with a 1-mil asphaltic seal coating. Fitting exterior shall be marked to indicate "Epoxy Lined - 40 mils minimum, P401". Fittings shall be pressure rated to pressure class 350. Fitting shall be provided less gland accessories.

## Application

For use in wastewater systems.



Water, Wastewater, and Reclaimed Water  
Material Standards

B-12.60

7/1/2022

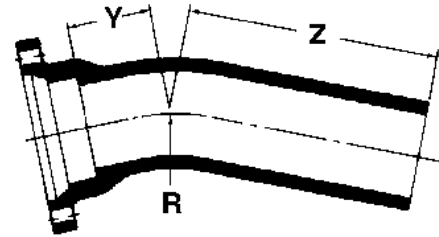
## Bend, DI, MJ x PE

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

### GRU Stock Information

**BEND, DI MJ-PE**

**Stock Number**

**Stock Description**

000242055

12", 22.5 DEG

### Material Description

Bend DI: interior: cement lined-standard thickness; bituminous coating: inside & outside; ends: less accessories.

### Application

For use in water and reclaimed water systems for connecting MJ fittings to plain end pipe at specified angle.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - Ductile Iron

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**B-12.70**

**7/1/2022**

# Bend, DI, Cement Lined, MJ x FL

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Bend DI: interior: cement lined-standard thickness; bituminous coating: inside & outside; ends: less accessories.

## Application

For use in water and reclaimed water systems for connecting MJ fittings to FL fittings

## GRU Stock Information

### BEND, DI MJ-PE

#### Stock Number

#### Stock Description

804517

3" 90 Deg

804568

4" 90 Deg

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI A21.11 - MJ Ends

AWWA C104/A21.4-16 CEMENT-MORTAR LINING FOR DUCTILE-

AWWA C151/A21.51-96: AMERICAN NATIONAL STANDARD FOR

AWWA C153/A21.53-06: AMERICAN NATIONAL STANDARD FOR

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-12.80  
3/29/2024

## Bend, PVC, SDR-26, Push On Joint, H x S

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### GRU Stock Information

#### BEND, PVC SDR- 26 (HXS)

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000159751 | 4" x 45 deg     |
| 000160105 | 6" x 45 deg     |
| 000179256 | 4" x 22-1/2 deg |
| 000179507 | 6" x 22-1/2 deg |

### Material Description

Fitting shall be polyvinyl chloride (PVC) pipe produced with wall thickness corresponding to dimension ratio SDR-26. Fitting shall be provided with integral gasketed bell on one end and a spigot end on the other. MUST BE CONSISTENT WITH WYE MANUFACTURER.

### Application

For use in domestic wastewater (gravity main) systems.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D1784 - Materials  
ASTM D3034 - Fittings  
ASTM D3212 - Joints  
ASTM F477 - Gaskets

See Appendix A for full description of standards

# Bend, Brass, Compression, PVC x PVC

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

AY McDonald Mfg Company

Ford Meter Box Company, Inc.

Mueller Company

P-15526N



## GRU Stock Information

### BEND, BRASS, PVC X PVC

#### Stock Number

805467

#### Stock Description

1-1/4" 90 deg

## Material Description

Bend Brass, Lead Law Compliant Compression Bends

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C-800-89 - Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-15.00  
4/16/2024

# Bolt and Nut, Hex Head Zinc Coated

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Bolt and nut shall be coarse threaded, high-strength, zinc coated, Grade 5 steel designed for use with flanged fittings. Bolt shall be coarse threaded with following pitch: 5/8" bolt - 11, 3/4" bolt - 10, 7/8" bolt - 9. Bolt and nut provided separately.

## Application

Used for assembly of flanged pipe and fittings.

## GRU Stock Information

### BOLT, HH ZINC COATED ST GRD 5

#### Stock Number

#### Stock Description

|           |                    |
|-----------|--------------------|
| 000180106 | 5/8" x 2-1/2" bolt |
| 000311626 | 5/8" x 3" bolt     |
| 000311677 | 3/4" x 3-1/2" bolt |
| 000311723 | 7/8" x 4" bolt     |
| 000311871 | 5/8" nut           |
| 000311928 | 7/8" nut           |
| 000312037 | 3/4" x 3" bolt     |
| 000312088 | 3/4" nut           |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A354 - Quenched & Tempered Bolts

ASTM F1554 - Anchor Bolts

See Appendix A for full description of standards



## Bolt and Nut, Tee Head (MJ Fittings)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### GRU Stock Information

#### BOLT, TEE HEAD COR-TEN W/NUT

##### Stock Number

##### Stock Description

|           |                        |
|-----------|------------------------|
| 000121207 | 3/4" nut               |
| 000121209 | 1" nut                 |
| 000762032 | 3/4"x3-1/2" nut & bolt |
| 000762237 | 3/4"x4" nut & bolt     |
| 000762385 | 3/4"x4-1/2" nut & bolt |
| 000762431 | 3/4"x5" nut & bolt     |
| 000762499 | 1" x 6" nut & bolt     |

### Material Description

Bolt and nut shall be high-strength, low-alloy steel (Corten). Bolts shall be provided with nuts.

### Application

Used for assembly of mechanical joint pipe and fittings.

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI B1.1 - Threads

See Appendix A for full description of standards

# Boot, Manhole, Seal

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| A-Lok                    | G3                    |
| Kor-N-Seal               | 106                   |

## Material Description

Pipe to Manhole connector. Provides a flexible, watertight joint to connect pipe to manholes.

## Application

For use in connecting pipe to sanitary sewer manholes.

## GRU Stock Information

### BOOT, MANHOLE, SEAL

#### Stock Number

#### Stock Description

|           |                          |
|-----------|--------------------------|
| 000798436 | 4" PIPE (8" long conn.)  |
| 000798487 | 6" PIPE (8" long conn.)  |
| 000798533 | 8" PIPE(8" long conn.)   |
| 000798584 | 10" PIPE (8" long conn)  |
| 000798681 | 12" PIPE (8" long conn.) |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A240 - Stainless Steel Shell

ASTM C-923

See Appendix A for full description of standards

## Box, Meter, Plastic, Jumbo Size

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

DFW Plastics / NDS Inc

#### Model/Series #

DFW1600E



### Material Description

Meter box shall be jumbo size, rectangular, plastic meter box. Nominal dimensions shall be 14 3/4" x 21 7/16" x 12". Meter box shall be furnished with a standard drop-in "water" or "reclaimed water" cover with UV inhibitors and a cast iron hinged access port for meter reading. Meter box cover dimensions shall be 13 1/4" x 19 3/4" x 1 11/16".

### Application

For 1 1/2" & 2" Residential and commercial water and reclaimed water meter installations. (See B-40.00 for traffic rated boxes)

### GRU Stock Information

#### BOX, METER, PLASTIC, JUMBO

#### Stock Number

000068055

000068152

#### Stock Description

Black - body & cover

Black - cover (potable)

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D1248 - Materials

See Appendix A for full description of standards

## Box, Meter, Standard Size

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

DFW Plastics / NDS Inc

D1200TT-12-M1M

DFW Plastics / NDS Inc

DFW36M-1MT\_NHK



### GRU Stock Information

#### BOX, METER, PL, STD

#### Stock Number

#### Stock Description

000617059

Black - body & cover

000617202

Black - cover

### Material Description

Meter box shall be standard size, rectangular, plastic meter box designed for non-vehicular traffic situations. Meter box nominal dimensions shall be 12"x17"x12", AML. Meter box cover dimensions shall be 10 1/8"x15 3/8"x1 5/8". Furnish with a standard drop-in "water" or "reclaimed water" cover with UV inhibitors and a cast iron hinged access port for meter reading.

### Application

5/8" & 1" Residential and commercial water and reclaimed water meter installations.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D1248 - Materials

ASTM D543 - Chemical Resistance

ASTM D570 - Water Absorption

See Appendix A for full description of standards

## Box, Meter, Wide Body

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

DFW Plastics / NDS Inc

#### Model/Series #

DFW1730WBC-12

-1MF 100



### Material Description

Meter Box 17"x30"x12" HDPE straight wall.  
Wide Body Series.  
Exceeds 20,000 lb minimum load failure. Heavy duty plastic cover.

### Application

Water meters

### GRU Stock Information

**BOX, METER, WATER, 17"x30"x12" WIDE**

#### Stock Number

000805033

#### Stock Description

Body & Lid

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D1248 - Materials

ASTM D543 - Chemical Resistance

ASTM D570 - Water Absorption

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**B-43.00  
3/25/2024**

## Box & Lid, Meter, Standard Size, Reclaimed Water

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

DFW Plastics / NDS Inc

DFW1200-5C-LID

DFW Plastics / NDS Inc

MODEL D-1200P-DI



### Material Description

14" x19" x 12" Standard Box, Drop-in Meter Reader Plastic w/Cast Iron Reader Cover. Reclaimed water - Purple color box and cover.

RECLAIMED WATER METER BOX; METER SIZE: 5/8" X 3/4";  
COVER: PURPLE PLASTIC W/C.I. READER LID; BODY: PURPLE  
PLASTIC; DIMENSION: 13" X 20"

### Application

Reclaimed water meters - 5/8"

### GRU Stock Information

#### BOX, METER, STANDARD, RECLAIMED WATER

#### Stock Number

#### Stock Description

000798827

PLASTIC W/C.I. READER

802964

BOX LID

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-44.00

6/18/2024



## Box, Meter, Jumbo, Reclaimed water

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

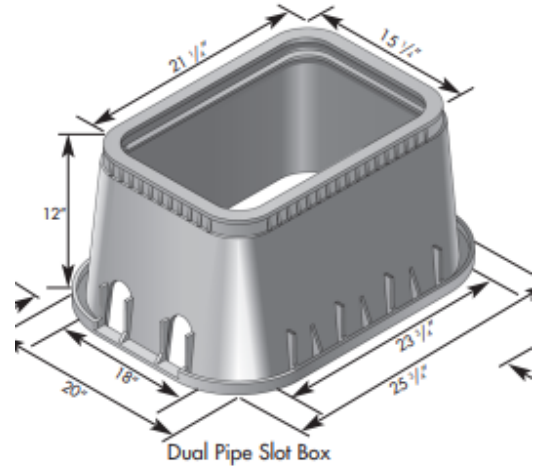
DFW Plastics / NDS Inc

DFW Plastics / NDS Inc

#### Model/Series #

D1500P-DU-DICP

SP-DDFW15005CLID



### Material Description

13" x 20" x 12" Dual Pipe Slot Jumbo Box, Drop-in Meter Reader Plastic w/Cast IRon Reader Cover - Water Meter. Purple box and cover.  
16X22X12 LID

### Application

Reclaimed Water Meters 5/8", 1", 1 1/2", and 2"

### GRU Stock Information

#### Box, Meter, Jumbo, Reclaimed Water

#### Stock Number

000798878

803014

#### Stock Description

Plastic w/CI Reader

Plastic Lid

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Box, Valve Assembly, Iron

## Material Item Approved for Use In

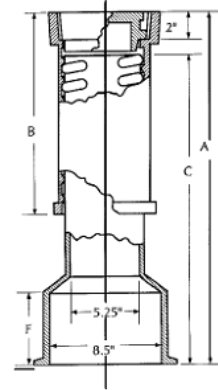
Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| Manufacturer Name  | Model/Series # |
|--------------------|----------------|
| Bingham & Taylor   | 6050           |
| Star Pipe Products | VB-0002        |
| Tyler Union        | 6850           |



## GRU Stock Information

### BOX, VALVE, TOP, BOTTOM

#### Stock Number

#### Stock Description

|           |                               |
|-----------|-------------------------------|
| 000260959 | 18" - 24" 15" HT (Bottom)     |
| 000261505 | 18" - 24" 10" HT (Top)        |
| 000322504 | 24" - 36" 24" HT (Bottom)     |
| 000322709 | 24"-36";36"-48": 16" HT (Top) |
| 000401102 | 36" - 48" 36" HT (Bottom)     |

\*For GRU use only: an X indicates item is stockless

## National Standards

AASHTO H-20 or HS-20 - Load Rating

ASTM A-48 - Material

ASTM A536 - Ductile Iron

See Appendix A for full description of standards

## Material Description

Valve box, screw type; shaft diameter: 5-1/4"; bottom base: flange; riser: cast iron; base: cast iron. Note: tops for 24"-36" & 36"-48" ranges are interchangeable. Produced in accordance with and meet all applicable terms and provisions of ASTM A-48 and cast with 35B class cast iron. Meets AASHTO H20 wheel load rating. Bituminous coating is applied to a mil thickness of approximately 1.0 to 1.5 mils.

## Application

Protection housing & access for valves on potable water, reclaimed & force main systems.



## Box, Valve Lid, Iron

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Bingham & Taylor         | 4905-L1.5             |
| Sigma Corp               |                       |
| Star Pipe Products       |                       |
| Tyler Pipe Company       | RS-1453**             |



### Material Description

Heavy duty cover for 5-1/4" valve box; specify markings as appropriate for applicable system.

### Application

Cast iron cover (new or replacement) for heavy duty 5-1/4" valve box.

### GRU Stock Information

#### BOX, VALVE, COVER, 5-1/4"

#### Stock Number

#### Stock Description

|           |                |
|-----------|----------------|
| 000180513 | Marked "WATER" |
| 000180564 | Marked "SEWER" |
| 000180572 | Marked "REUSE" |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - DI Castings

See Appendix A for full description of standards

## Box, Valve, Non Pop Lid, Plastic

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



### Approved Manufacturers

Manufacturer Name

Model/Series #

SW Services

### Material Description

The non-pop lid is molded polymer replacement lid for conventional cast iron lids in valve boxes. The lid has an elastomeric lock which slips through the lid-seat flange and then opens up to provide a restraint to movement of the lid.

### Application

### GRU Stock Information

#### BOX, VALVE, NON POP LID, PLASTIC

#### Stock Number

000080125

#### Stock Description

Non Pop Plastic Lid

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Box, Valve, Paving Adapter

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

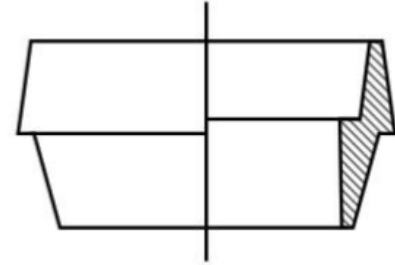
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Valve box adaptor (riser) for 5-1/4" dia shaft box.

## Application

For adapting the height of a valve box to match grade.

## GRU Stock Information

### BOX, VALVE, PAVING ADAPTER

#### Stock Number

#### Stock Description

000197351

1" adapter

000197408

2" adapter

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-53.00  
2/20/2024

## Box, Valve, Concrete Pad, Round

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

Sigma Corp

#### Model/Series #

SVPRND2410



### Material Description

24" ROUND CONCRETE VALVE PAD W/ 10" HOLE  
4" THICK  
CONTAINS 1/4" REINFORCED ROD

### Application

For providing a concrete collar to valve box lids. Designed to protect the valve box without the hassle of forming and pouring a pad in the field.

### GRU Stock Information

#### BOX, VALVE, PAD

#### Stock Number

805475

#### Stock Description

24" OD 10" ID

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-53.10

1/9/2024

## Box, Valve, Box Lok

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

BOX LOK

Unit 2

BOX LOK

Unit 4



### Material Description

Valve box centering device designed to eliminate the shifting of the valve box against the operating nut of the valve. Used with either PVC pipe applications or two piece cast iron valve box applications. The box lok is the same unit number for PVC valve sizes and the same unit number for all two piece cast iron valve sizes. For use in valve sizes 2", 4", 6", and 8".

### Application

Fitted on new or existing valves to eliminate valve box shift.

### GRU Stock Information

#### BOX, VALVE, BOX LOK

#### Stock Number

#### Stock Description

000801305

UNIT2-Cast Iron Valve Box

000801356

UNIT4- PVC Pipe

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

## Box, Clean Out, Heavy Duty

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Sigma Corp

#### Model/Series #

CO-2610S



### Material Description

Clean out box shall have a Cast Iron Body and Lid Section that is H20 AASHTO rated. Clean out box shall be coated with asphaltic bitumen coating material to a minimum thickness of 1 mil. The clean out box shall have an opening of 7" wide (at narrowest point) and a lid 8-1/2" in diameter.

### Application

Clean out valve box for use in pavement and/or sidewalks where a heavy duty clean out box is required.

### GRU Stock Information

#### BOX, CLEAN OUT, HEAVY DUTY

#### Stock Number

000801054

#### Stock Description

CO Body and Lid

\*For GRU use only: an X indicates item is stockless

### National Standards

AASHTO H-20 or HS-20

ASTM A48, CL 30B

See Appendix A for full description of standards

## Box, Clean Out, Plastic

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

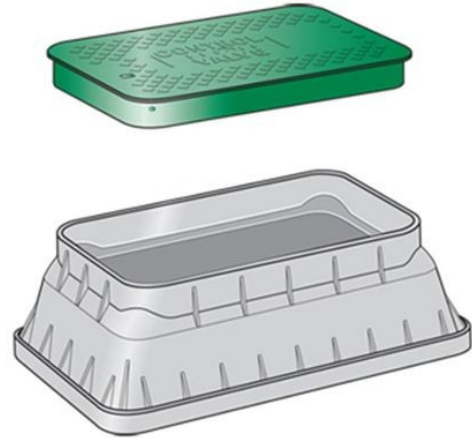
### Approved Manufacturers

#### Manufacturer Name

Highline Products

#### Model/Series #

170129



### Material Description

Superflexon box and covers are made of a plastic material made of a rigid combination of polyolefin and fibrous inorganic components. It is chemically inert and normally unaffected by moisture, corrosion and the effects of temperature changes. Superflexon covers are not traffic covers and should not be used in roadways, etc.

### Application

Clean out valve box for use in grassed areas where a heavy duty clean out box is not required.

### GRU Stock Information

**BOX, CLEANOUT, 6", BLACK, NO MOUSE HOLES**

#### Stock Number

000803111

#### Stock Description

Box

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**B-56.00**

**7/5/2023**

## Box, Cover, Plastic

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

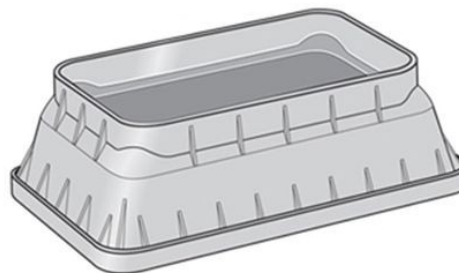
### Approved Manufacturers

#### Manufacturer Name

Highline Products

#### Model/Series #

174036



### GRU Stock Information

**LID, GREEN, SEWER, T-TOP**

#### Stock Number

000803162

#### Stock Description

Lid

### Material Description

Superflexon box and covers are made of a plastic material made of a rigid combination of polyolefin and fibrous inorganic components. It is chemically inert and normally unaffected by moisture, corrosion and the effects of temperature changes. Superflexon covers are not traffic covers and should not be used in roadways, etc. The lid shall be a greenT-Top and say "Sewer."

### Application

Clean out valve box for use in grassed areas where a heavy duty clean out box is not required.

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**B-57.00  
7/5/2023**



# Bracket, Stainless Steel

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Open Market

Reline/Duran



## GRU Stock Information

### BRACKET, STAINLESS STEEL

#### Stock Number

#### Stock Description

000801216

4"

000801461

6"

000801615

8"

## Material Description

Clamp and Brackets are Type 304 Non Corrosive Stainless Steel, 11 Gauge with SS hardware.

## Application

Brackets used to secure influent pipe in manholes and wetwells for inside drop applications.

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Bushing, Reducer, Galvanized, Threaded

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Anvil International, Inc

Open Market

Ward Mfg Inc



## Material Description

Reducer bushing, galvanized, standard weight, schedule 40.

## Application

Used in construction of pressurized water & reclaimed water systems.

## GRU Stock Information

### BUSHING, RED GAL SCH 40

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000157651 | 1-1/4" x 1" |
| 000171557 | 1-1/2" x 1" |
| 000705934 | 3/4" x 1/2" |
| 000705985 | 1" x 3/4"   |
| 000706388 | 2" x 1"     |
| 000706485 | 2" x 1-1/2" |
| 000706639 | 3" x 2"     |
| 000706736 | 4" X 3"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B1.20.1 - Threads

ANSI B16.14 - Pressure Rating & Dimensions

ASTM A197, A126, A153 - Materials

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

B-80.00

7/1/2022

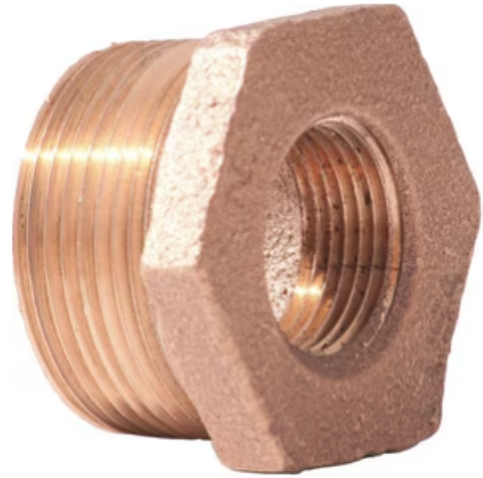
# Bushing, Reducer, Brass, MNPT x FNPT

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Merit Brass              | IBRLFBMK              |
| Merit Brass              | IBRLFBKJ              |
| Merit Brass              | BRLFBKG               |
| Merit Brass              | BRLFBJG               |
| Merit Brass              | BRLFBGF               |

## Material Description

Bushing reducer, brass, one end is male (MNPT) and the other is female (FNPT). 3" X 2" and 2" X 1-1/2" ARE imported brass, 2" X 1, 1-1/2" X 1" AND 1" X 3/4 ARE domestic

## Application

Transitioning polyethylene piping

## GRU Stock Information

### Bushing, Red, Brass MNPT x FNPT

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000802603 | 3" x 2"     |
| 000802808 | 2" x 1-1/2" |
| 000802859 | 2" x 1"     |
| 000802905 | 1-1/2" x 1" |
| 000802956 | 1" x 3/4"   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Brass

See Appendix A for full description of standards

# Bushing, Reducer, PVC, Schedule 40, S x S

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Schedule 40 reducer bushing (slip x slip), white, cell class 12454 PVC, solvent weld joint.

## Application

Used in construction of pressurized water and reclaimed water systems.

## GRU Stock Information

### BUSHING, RED PVC SCH 40 S x S

#### Stock Number

#### Stock Description

|           |               |
|-----------|---------------|
| 000103152 | 1" x 3/4"     |
| 000103209 | 1-1/2" x 3/4" |
| 000103292 | 1-1/2" x 1"   |
| 000103306 | 2" x 1-1/2"   |
| 000803502 | 2" x 1"       |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - Materials

ASTM D2466 - SCH 40 PVC

NSF/ANSI 14 & 61 - Potable Systems

See Appendix A for full description of standards

## Cap, DI, MJ

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

### Material Description

Solid MJ cap constructed of ductile iron with a cement lined interior and overall bituminous coating. Provided without MJ accessories.

### Application

For use in capping pressurized potable and reclaimed water systems at valves.

### GRU Stock Information

#### CAP, DI

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000054216 | 16" |
| 000079804 | 8"  |
| 000363103 | 4"  |
| 000474258 | 20" |
| 000474304 | 24" |
| 000766305 | 12" |
| 000805807 | 6"  |

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI C110 - DI Fittings

ANSI C153 - DI Fittings

See Appendix A for full description of standards

# Cap, PVC, Schedule 40 (Solvent Weld)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Schedule 40 PVC cap constructed of white, cell class 12454 PVC with a solvent weld joint.

## Application

Pressurized water systems.

## GRU Stock Information

### CAP, PVC SCH 40 SOLVENT WELD

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000104752 | 1-1/2" |
| 000104809 | 2"     |
| 000104906 | 3/4"   |
| 000104957 | 1"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2466 - Sch 40 PVC Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-12.00  
7/5/2023

## Cap, PVC, SDR-26

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

### Material Description

SDR-26 PVC cap with either solvent weld or gasketed joint.

### Application

Non-pressurized wastewater systems.

### GRU Stock Information

#### CAP, PVC SDR-26

#### Stock Number

#### Stock Description

000197106

4" (SOLVENT WELD)

000199907

6" (SOLVENT WELD)

000200107

8" (GASKETED)

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D3034 - PVC Sewer Fittings

See Appendix A for full description of standards

# Cap, Tapped, DI, MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Tapped MJ cap constructed of ductile iron with a cement lined interior and overall bituminous coating. Provided without MJ accessories.

## Application

Pressurized water and wastewater systems.

## GRU Stock Information

### CAP, TAPPED DI

#### Stock Number

#### Stock Description

|           |              |
|-----------|--------------|
| 000291692 | 6" x 2" TAP  |
| 000291706 | 6" x 3" TAP  |
| 000291803 | 8" x 3" TAP  |
| 000291951 | 12" x 3" TAP |
| 000801186 | 4" x 2" TAP  |
| 000801232 | 8" x 2" TAP  |
| 000802662 | 12" x 2" TAP |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C110 - DI Fittings

ANSI C153 - DI Fittings

See Appendix A for full description of standards



## Casing, End seal

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

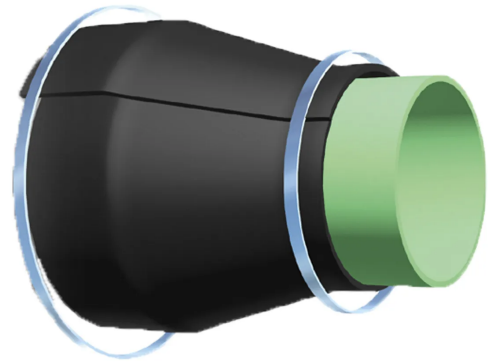
Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

End seal for casing

### Application

### GRU Stock Information

#### CASING, END SEAL

#### Stock Number

#### Stock Description

000802158

20"

000802204

36"

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Casing Spacer, 8"pipe to 16" Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

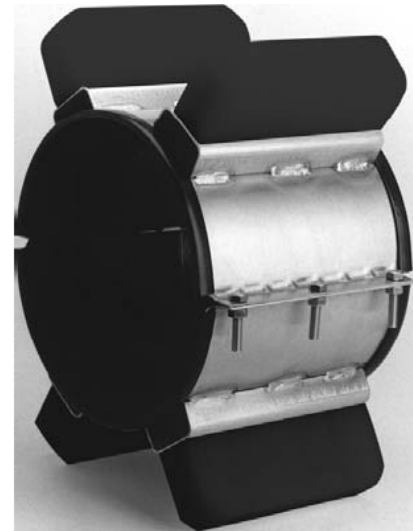
### Model/Series #

BWM

SS-8

Cascade Waterworks Mfg

Model CCS



## Material Description

Casing Spacers shall be 8-inches wide (minimum) , bolt-on style with a two piece solid shell made from T-304 stainless steel, 14 gauge minimum thickness and shall be attached to the shell by MIG welding. The shell interior shall be lined with PVC. Bearing surfaces, or runners, shall be made from ultra-high molecular weight polymer (plastic). The runners shall be attached to risers at appropriate positions to properly locate the carrier pipe within the casing and to ease installation.

## Application

Position pipe within casing to provide restraint against movement, keep carrier pipe at bottom of casing, or keep slip joint bells off casing wall.

## GRU Stock Information

### CASING SPACER, 8"PIPE TO 16" CASING

#### Stock Number

#### Stock Description

000798053

8" pipe to 16" casing

000801496

16" pipe to 24" casing

000801909

24" pipe to 36" casing

000802107

12" pipe to 20" casing

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1706-61T

ASTM D638/D3916 - Tensile Strength

See Appendix A for full description of standards

# Clamp, Full Circle Repair

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Ford Meter Box Company, Inc.

### Model/Series #

FSC-238-3-SH



## GRU Stock Information

### CLAMP, FULL CIR REDI

#### Stock Number

183

#### Stock Description

2"X3" SS

## Material Description

CLAMP, FULL CIRCLE REDI-  
2" X 3", MADE OF ALL 304 STAINLESS STEEL BAND,  
LUGS AND BOLTS.  
GASKET: GRADE 60-COMPOUND BUNA N,  
TEMPERATURES 40o +180oF  
BOLTS & NUTS: 304 STAINLESS STEEL, TEFLON  
COATED NUTS TO PREVENT GALLING.

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Cement, Asphalt Repair

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Perma Patch



## GRU Stock Information

### CEMENT, ASPHALT REPAIR

#### Stock Number

000804738

#### Stock Description

50 lb bucket

## Material Description

## Application

Asphalt Repair

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Cement, Mortar Mix

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| Manufacturer Name | Model/Series # |
|-------------------|----------------|
| Quikrete          | 1102           |
| Sakrete           | N              |



## Material Description

Quikrete/Sakrete mortar mix with no gravel. Mix consists of a uniformly blended mixture of fine sand, and type N masonry cement. Just add water.

## Application

Construction of wastewater manholes.

## GRU Stock Information

### CEMENT, MORTAR MIX

#### Stock Number

000799432

#### Stock Description

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C270 - Type N Mortar

See Appendix A for full description of standards

# Cement, PVC

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| Manufacturer Name | Model/Series # |
|-------------------|----------------|
| Oatey             | 30891          |

## Material Description

PVC solvent cement shall be fast-setting, medium-bodied blue colored cement. (Rain-R-Shine)

## Application

For PVC Sch 40 pipe and fittings up to 6" in diameter.

## GRU Stock Information

CEM, PVC SOLVENT PINT, FOR PVC SCH 40

### Stock Number

000009407

### Stock Description

8 oz. container

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2564 - PVC Cement

NSF 61 - Potable Water Systems

See Appendix A for full description of standards

# Cement, Fastset Mix

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Sakrete



## GRU Stock Information

### CEMENT, ASPHALT REPAIR

Stock Number

Stock Description

000804509

50 lbs

## Material Description

## Application

Asphalt Repair

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-23.00  
7/21/2023

# Clamp, Bell Joint Restraint, PVC C900, Split

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| EBAA Iron Sales, Inc     | 1500                  |
| Sigma Corp               | PWP                   |
| SIP Industries           | PTPVC                 |



## Material Description

Restraint for PVC pipe bell (AWWA C900) shall consist of the following: The restraint shall be manufactured of ductile iron conforming to ASTM A536. The restraint device shall consist of two split serrated retainer rings with one used behind the pipe bell and the other installed on the spigot pipe.

## Application

For use on AWWA C900 PVC Pipe Bells for Bell Joint Restraint.

## GRU Stock Information

### CLAMP, BELL JOINT RESTR, SPLIT, C900

| Stock Number | Stock Description |
|--------------|-------------------|
| 000799459    | 16"               |
| 000800597    | 4"                |
| 000800643    | 6"                |
| 000800694    | 8"                |
| 000800791    | 12"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A-733

ASTM A536

See Appendix A for full description of standards



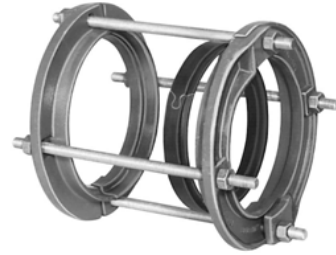
# Clamp, Bell Joint Leak, DI, CI and C-900 PVC

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| Ford Meter Box Company, Inc. | FBC-500               |
| Ford Meter Box Company, Inc. | FBC-710               |
| Ford Meter Box Company, Inc. | FBC-930               |
| Ford Meter Box Company, Inc. | FBC-1140              |
| Ford Meter Box Company, Inc. | FBC-1350              |

## Material Description

Ductile Iron body; Buna-N rubber gasket; low alloy steel bolts and nuts with Di-Chromate Seal. Optional blue fluorocarbon coated nuts and bolts available.

## Application

For repairing leaking bell joints on C-900 or iron pipe without re-caulking or cutting out the joint.

## GRU Stock Information

### CLAMP, BELL JOINT LEAK, IRON

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000798045 | 4"  |
| 000798096 | 6"  |
| 000798142 | 8"  |
| 000798193 | 10" |
| 000798347 | 12" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A242 - Bolts & Nuts

ASTM A536 - Ductile Iron

ASTM C111 - Rubber

AWWA C111 - Bolts & Nuts

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-30.00  
7/1/2022

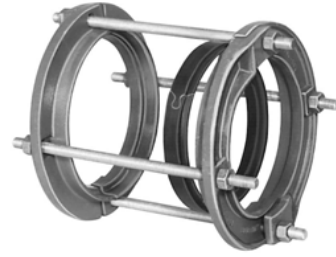
# Clamp, Bell Joint Leak, PVC

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| Ford Meter Box Company, Inc. | FBC-450 4"            |
| Ford Meter Box Company, Inc. | FBC-663 6"            |
| Ford Meter Box Company, Inc. | FBC-863 8"            |
| Ford Meter Box Company, Inc. | FBC-1075 10"          |
| Ford Meter Box Company, Inc. | FBC-1275 12"          |

## Material Description

Ductile iron body; SBR rubber gasket; Low alloy steel nuts and bolts with Di-Chromate Seal. Optional blue fluorocarbon coated nuts and bolts available.

## Application

For repairing leaking bell joints on PVC (SDR-26 and SDR-21) pipe (standard steel size) without recaulking or cutting out the joint.

## GRU Stock Information

### CLAMP, BELL JOINT LEAK, PVC

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000798398 | 4"  |
| 000798444 | 6"  |
| 000798451 | 10" |
| 000798495 | 8"  |
| 000798592 | 12" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A242 - Bolts & Nuts

ASTM A536 - Ductile Iron

ASTM C111 - Rubber

AWWA C111 - Bolts & Nuts

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-30.10  
7/1/2022

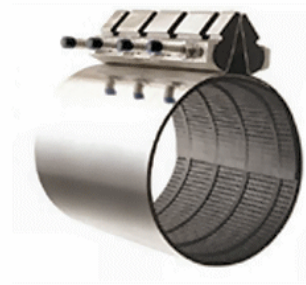
# Clamp, Repair, EZ - Max

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Hymax

EZ-MAX

Total Piping Solutions, Inc

4015, 4009

## Material Description

304 stainless steel band and lug assembly with high impact polycarbonate lug retainer. Equipped with 304 stainless steel spanner plate, integral with the band assembly. Furnished with stainless steel bolts and nuts protected with Maxi-Lube anti-seize type plating to prevent galling. No-glue waffled mat-type gasket with pressure assisted sealing rings.

## Application

For water and wastewater pipe repairs above and below ground.

## GRU Stock Information

### CLAMP, REPAIR, EZ - MAX

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000799106 | 4" x 9" (4.47" - 5.27")   |
| 000799157 | 6" x 9" (6.60"-7.40")     |
| 000799203 | 8" x 9"(8.60"-9.40")      |
| 000799254 | 8" x 12"(8.60"-9.40")     |
| 000799351 | 10" x 12" (10.73"-11.53") |
| 000799408 | 12" x 12" (12.75"-13.55") |
| 000800988 | 3" x 9" (3.42"-4.25")     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI 304/303 - Bolts & Nuts

ANSI/AWWA C230-16

ASTM A351

ASTM A536

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-32.00  
4/16/2024

# Clamp, Repair, Stainless Steel, One Sectional

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Ford Meter Box Company, Inc.

FCC-xxx

Total Piping Solutions, Inc

Quick-Cam



## Material Description

304 Stainless Steel Band. ASTM A536 Ductile Iron Lugs. High Strength, Low Alloy 304 Stainless Steel Bolts. Nitrile Gasket per ASTM D2000.

## Application

For water and wastewater pipe repairs above and below ground. Used primarily for Schedule 40 PVC solvent weld couplings.

## GRU Stock Information

### CLAMP, REPAIR, SS

#### Stock Number

#### Stock Description

805025

2" x 5" (O.D. 2.38")

805076

3" x 5" (O.D. 3.50")

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A242 - Bolts & Nuts

ASTM A536

ASTM D2000 - Gaskets

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**C-32.40**

**4/16/2024**

# Clamp, Repair, Stainless Steel, Two Sectional

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| Ford Meter Box Company, Inc. | FFS2xxxx              |
| JCM Industries               | 132                   |
| Total Piping Solutions, Inc  | Quick-Cam             |



## GRU Stock Information

### CLAMP, REPAIR, SS

#### Stock Number

#### Stock Description

|           |                    |
|-----------|--------------------|
| 000799645 | 36" x 12" (length) |
| 000799696 | 30" x 12" (length) |
| 000799742 | 24" x 12" (length) |
| 000799793 | 20" x 12" (length) |
| 000799947 | 16" x 12" (length) |
| 000799998 | 14"x 12" (length)  |
| 000800147 | 12" x 12" (length) |
| 000800198 | 10" x 12" (length) |
| 000800244 | 8" x 12" (length)  |
| 000800295 | 6" x 12" (length)  |

## Material Description

Repair clamps are all stainless steel. The band is type 304 Stainless Steel, the lugs are CF-8 Cast Stainless Steel (equivalent to 304 Stainless Steel), the bolts are type 316 Stainless Steel, and the gasket is compounded for use with mild acids, bases, and sewage.

## Application

Repair pipe where Stainless steel clamp is needed.

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-32.50  
4/16/2024

# Clamp, Repair, Galvanized Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| Cascade Waterworks Mfg       | CR                    |
| Ford Meter Box Company, Inc. | FSC                   |
| JCM Industries               | 110 thru 113          |
| Romac Industries, Inc        | SC                    |
| Smith-Blair, Inc             | 244,245,247,248       |

## Material Description

Single band stainless steel repair clamps, electro-galvanized bolt & nut. Shop coat enamel finish.

## Application

For use in pressurized water systems with galvanized pipe, and for pipe repairs.



## GRU Stock Information

### CLAMP, CIR REP, SS

| Stock Number | Stock Description     |
|--------------|-----------------------|
| 000013235    | 6" x 12" (4 bolts)    |
| 000073202    | 3/4" x 6" (2 bolts)   |
| 000073253    | 1" x 6" (2 bolts)     |
| 000073407    | 1-1/4" x 6" (2 bolts) |
| 000073458    | 1-1/2" x 6" (2 bolts) |
| 000073504    | 2" x 6" (2 bolts)     |
| 000124001    | 1/2" x 6" (2 bolts)   |
| 000124052    | 1/2" x 3" (1 bolt)    |
| 000124109    | 3/4" x 3" (1 bolt)    |
| 000124206    | 1" x 3" (1 bolt)      |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM 240 - Stainless Steel  
ASTM A536 - Ductile Iron Lugs

See Appendix A for full description of standards

# Clamp, Socket, Iron Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Anvil International, Inc

595,600

Sigma Corp / Russell Pipe

Trumbull Industries



## Material Description

Steel clamp with 3/4" threaded rod, tie-rod, tie-lugs, etc. Materials include two carbon steel halfbands and two bolts and nuts. Socket clamp washers are listed individually elsewhere in the Approved Materials and Standards Manual.

## Application

Friction-type clamp for restraining pipe joints to prevent distortion of pipe line under excessive water pressure.

## GRU Stock Information

### CLAMP, SOCKET

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000003255 | 6"  |
| 000003506 | 8"  |
| 000003603 | 12" |
| 000003654 | 16" |
| 000208299 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A36/A515 - Carbon Steel

MSS-SP-58 - Pipe Hanger Components

MSS-SP-69 - Pipe Hanger Components

See Appendix A for full description of standards

# Cone, Manhole Section, Eccentric

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Del Zotto Products

Forterra

Standard Precast, Inc



## GRU Stock Information

### CONE, ECCENTRIC MH

#### Stock Number

#### Stock Description

000456802

48" x 3'-0"

000467855

48" x 2'-0"

## Material Description

Eccentric cone manhole section shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.

## Application

Gravity wastewater systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C443 - Precast Reinforced Concrete

ASTM C478/AASHTO M199 - Precast Concrete

See Appendix A for full description of standards



# Cone, Manhole Section, Eccentric, Polymer

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Armorock



## Material Description

Eccentric cone manhole section, Polymer composite

## Application

Gravity wastewater systems.

## GRU Stock Information

CONE, MH SEC, ARMOROCK, ECC

### Stock Number

804916

### Stock Description

4'DIA,3'TALL

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Connector, Tracer Wire

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Pro-Line

### Model/Series #

TL-LUG-SS



## Material Description

A direct bury, self-stripping, locking connector used for making connections to underground tracer wire systems and other applications not exceeding 1,000 volts.

## Application

Works with sizes 18 thru 8 AWG. Sizes can be mixed or matched. Designed to work with all forms of copper, copper-clad steel (CCS), and stainless steel tracer wire.

## GRU Stock Information

### CONNECTOR, TRACER WIRE

#### Stock Number

803464

#### Stock Description

TRACER-LOCK Connector

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-41.00  
3/26/2024

# Corporation Stop, Ground Key

## Material Item Approved for Use In

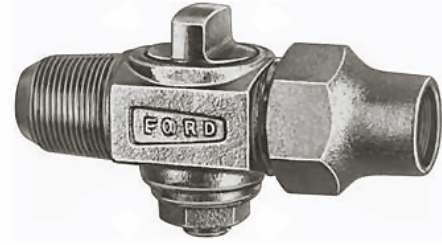
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 4701                  |
| Cambridge Brass              | 301-A4C4              |
| Ford Meter Box Company, Inc. | F-600                 |
| James Jones Company          | J-1500                |
| Mueller Company              | H-15000               |



## GRU Stock Information

### CORP FLARED CU

#### Stock Number

000168408

#### Stock Description

1" x 1"

## Material Description

CORPORATION STOPS FOR FLARED COPPER; MATERIAL: BRASS/BRONZE; THREADS: OUTLET - FLARE TYPE FOR COPPER, INLET - AWWA TAPERED (CC THREADS, NO LEAD)

## Application

Corporation Stop for copper tubing

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Material

AWWA C800 - Threads

See Appendix A for full description of standards

# Corporation Stop, Plastic Tubing

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

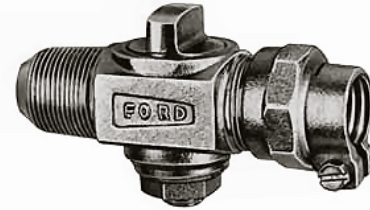
| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74701B                |
| Ford Meter Box Company, Inc. | F-1000-4              |
| James Jones Company          | J-3401                |
| Mueller Company              | H-15008N              |

## Material Description

Corporation stops for plastic tubing; material: no lead brass/bronze; threads: outlet – compression for plastic, inlet – AWWA tapered (CC threads, no lead).

## Application

Corporation stop for plastic tubing.



## GRU Stock Information

### CORPORATION STOP 1" x 1", FOR POLY TUB

#### Stock Number

000789305

#### Stock Description

1" x 1"

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Material

AWWA C800 - Threads

See Appendix A for full description of standards

## Coupling, DR 11, Electrofusion

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Strongbridge

20.MA1.11.10.00



### Material Description

### Application

### GRU Stock Information

#### COUPLING, DR 11, ELECTRO FUSION

#### Stock Number

805009

#### Stock Description

2"

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D2513- Polyethylene (PE) Gas Pressure Pipe, Tubing, and

ASTM D3350 - HDPE Resin

See Appendix A for full description of standards

## Coupling, SS, MNPT

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Poly-Cam

#### Model/Series #

710-0200/S6/11



### Material Description

Stainless Steel

### GRU Stock Information

COUPLING, SS, MNPT

#### Stock Number

800813

#### Stock Description

2"

### Application

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

## Coupling, SS, FNPT

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Merit Brass

#### Model/Series #

KP611-32



### Material Description

Stainless Steel

### GRU Stock Information

COUPLING, SS, FNPT

#### Stock Number

801062

#### Stock Description

2"x2-14/25"

\*For GRU use only: an X indicates item is stockless

### Application

### National Standards

See Appendix A for full description of standards

# Coupling, Anchoring, Swivel, Solid

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Open Market

Sigma Corp / Russell Pipe



## Material Description

Anchoring coupling, CI or DI; interior: cement lined, standard thickness; bituminous coating: inside & outside; length: 12" minimum, less accessories (tee bolts, nuts and gasket).

## Application

For restraining fire hydrant to the gate valve, thus preventing the hydrant from blowing off under line pressure or when surges occur during hydrant operation. The rotating feature of the swivel gland permits the installer to meet any grade requirement regardless of bolt-hole alignment.

## GRU Stock Information

### COUPLING, ANCHORING SWIVEL SOLID

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000638153 | 6"  |
| 000638951 | 8"  |
| 000639109 | 12" |
| 000802816 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-61.00  
7/1/2022



# Coupling, Brass

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

Lee Brass

### Model/Series #

60165 Straight

## Material Description

Standard weight no lead brass coupling, schedule 40.

## Application

Combining and/or transitioning threaded iron, steel, and galvanized pipe connections.

## GRU Stock Information

### COUPLING, BRS

#### Stock Number

#### Stock Description

|           |               |
|-----------|---------------|
| 000180203 | 1/2" SCH 40   |
| 000180351 | 3/4" SCH 40   |
| 000180408 | 1" SCH 40     |
| 000180459 | 1-1/2" SCH 40 |
| 000180505 | 2" SCH 40     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.15 - Dimensions

ANSI B16.15 - Pressure Rating

ASTM B584 - Brass

See Appendix A for full description of standards

## Coupling, Grip Joint Both Ends

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74758G                |
| Ford Meter Box Company, Inc. | C44-44-G-NL           |
| Ford Meter Box Company, Inc. | C-44-77-G-NL          |
| Mueller Company              | G-15403N              |

### Material Description

Grip joint for copper or plastic tubing (CTS) both ends

### Application

Water services/meters



### GRU Stock Information

#### COUPLING, GRIP JOINT BOTH ENDS

##### Stock Number

##### Stock Description

|           |    |
|-----------|----|
| 000803421 | 2" |
| 000803472 | 1" |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM B584 - Brass  
ASTM B62 - Bronze  
AWWA C800 - Brass  
NSF/ANSI 61 - Potable Systems

See Appendix A for full description of standards

# Coupling, Flared Grip Joint

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      |                       |
| Ford Meter Box Company, Inc. | C24-44-G-NL           |
| Mueller Company              | G-15079N              |

## GRU Stock Information

### COUPLING, FLARED GRIP JOINT

#### Stock Number

803278

#### Stock Description

1"

## Material Description

Flare Copper by Grip Joint for Copper or Plastic Tubing (CTS)

## Application

Water service/meters

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C-800-89 - Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-63.10  
4/17/2024

# Coupling, Grip Joint Ell

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74761G                |
| Ford Meter Box Company, Inc. | L44-44-G-NL           |
| Ford Meter Box Company, Inc. | L44-77-G-NL           |
| Mueller Company              | G-15526N              |

## Material Description

90 degree grip joint for copper or plastic tubing (CTS) both ends

## Application

Water service/meters

## GRU Stock Information

### COUPLING, GRIP JOINT ELL

#### Stock Number

#### Stock Description

000803324

1"

000803375

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Brass

NSF 61 - Potable Water Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-63.20  
3/15/2024

## Coupling, Grip Joint One End

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



### Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74753G                |
| AY McDonald Mfg Company      | 74753Q2               |
| Ford Meter Box Company, Inc. | C84-44-G-NL           |
| Ford Meter Box Company, Inc. | C84-77-G-NL           |
| Mueller Company              | G-15428N              |

### GRU Stock Information

#### COUPLING, GRIP JOINT ONE END

#### Stock Number

#### Stock Description

802239

1"

803529

2"

### Material Description

\*For GRU use only: an X indicates item is stockless

### Application

### National Standards

See Appendix A for full description of standards

## Coupling, Brass, FNPT

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

Merit Brass

#### Model/Series #

IBRLFCK



### Material Description

No lead Brass coupling, Straight fitting, female thread on both ends.

### Application

Combining and/or transitioning polyethylene piping.

### GRU Stock Information

#### Coupling, Brass, FNPT

#### Stock Number

803557

#### Stock Description

2"

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Coupling, Foster Adapter W/ACC

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Infact Corp

### Model/Series #

#xFA-BC



## Material Description

Ultra-compact MJ restraint. Includes accessory Kit- 2 gaskets, 4 T-bolts, and nuts, and 4 spacers.

## Application

Valves to tees, crosses, 90's, 45's and other fittings

## GRU Stock Information

### COUPLING, FOSTER ADAPTER, w/ACC

#### Stock Number

000806765

000806811

000806862

#### Stock Description

3"

4"

6"

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C153/A21.53 - DI Fittings for Water

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-64.00

3/27/2024

# Coupling, Galvanized Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| Dresser Piping Specialties   | STYLE #32, 38         |
| Ford Meter Box Company, Inc. | FC3                   |
| JCM Industries               | 211                   |
| Smith-Blair, Inc             | 411                   |



## Material Description

Steel or ductile iron coupling for galvanized steel pipe, rated working pressure 150 psi.

## Application

Flexible coupling to maintain continuity of pipe system, retain contents under pressure and prevent infiltration.

## GRU Stock Information

### COUPLING, COMP GAL PIPE

| Stock Number | Stock Description |
|--------------|-------------------|
| 000157201    | 3" X 12" LENGTH   |
| 000157503    | 4" X 12" LENGTH   |
| 000158453    | 3" X 5"           |
| 000158704    | 4" X 5"           |
| 000160202    | 2-1/2" X 5"       |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM 53 - SLEEVE

ASTM A242 - Bolts & Nuts

ASTM A513 - SLEEVE

ASTM A715 - FOLLOWERS

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-65.00  
7/1/2022



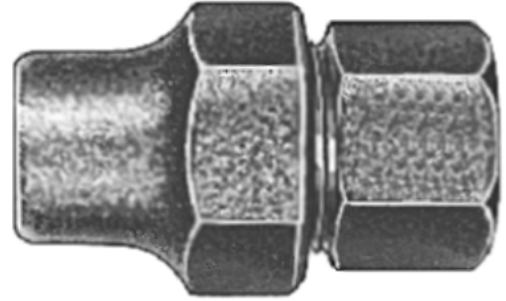
# Coupling, Iron Pipe to Copper

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74754                 |
| Ford Meter Box Company, Inc. | C-21                  |
| James Jones Company          | J-1535                |
| Mueller Company              | H-15450N              |

## Material Description

Brass coupling to adapt from iron pipe to copper; outlet: flared for copper tubing; inlet: female iron pipe threads.(No lead)

## Application

Used for pressurized water service connections.

## GRU Stock Information

### COUPLING, IRON PIPE CU

#### Stock Number

000067644

000067695

#### Stock Description

3/4" x 3/4"

1" x 1"

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C-800-89 - Fittings

NSF/ANSI 61 - Potable Systems

See Appendix A for full description of standards

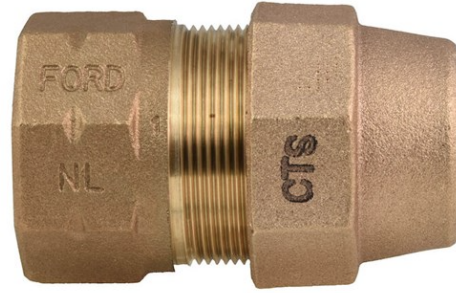
# Coupling, FIP x CTS Grip Joint

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74754G                |
| Ford Meter Box Company, Inc. | C14-77-G-NL           |
| Mueller Company              | H-15452N              |

## GRU Stock Information

### COUPLING, FIP x CTS GRIP JOINT

#### Stock Number

803456

#### Stock Description

2"

## Material Description

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

Brass

\*For GRU use only: an X indicates item is stockless

## Application

CTS tubing

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

See Appendix A for full description of standards

# Coupling, Pack Joint, MIP x PVC

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74753-44              |
| Ford Meter Box Company, Inc. | C87-xx-NL             |
| Mueller Company              | V-15440N              |



## GRU Stock Information

### COUPLING, PACK JOINT, MIP x PVC

#### Stock Number

#### Stock Description

000798061

2"

000805122

1-1/2"

## Material Description

Male iron pipe thread by pack joint for pvc pipe. Body design provides hexagonal wrench flats for proper installation.

## Application

For use in water and reclaimed water systems. Ford pack joints for pvc are only recommended for schedule 40 and schedule 80 pipe.

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Brass

NSF 61 - Potable Water

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-66.00

4/8/2024

# Coupling, PVC, Schedule 40

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Coupling, PVC, schedule 40; material: Type 1, Grade 1; joint: solvent weld; type: slip x slip.

## Application

For use in commercial and domestic water and reclaimed water systems.

## GRU Stock Information

### COUPLING, PVC SCH 40

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000104647 | 3/4"   |
| 000104655 | 1-1/2" |
| 000104698 | 1"     |
| 000104701 | 2"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1785 - PVC SCH 40, 80, 120

ASTM D2466 - SCH 40 PVC

NSF/ANSI 14 & 61 - Potable Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-67.00  
7/1/2022

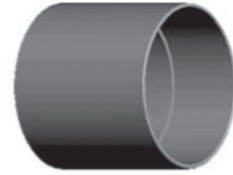
## Coupling, PVC, SDR-26 , H x H

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

### Material Description

Coupling, PVC, SDR-26; joints: gasketed; type: hub x hub.

### Application

For use in commercial and domestic wastewater systems. See also items C-68.20, C-68.21 and C-68.22 (Strongback Coupling)

### GRU Stock Information

#### COUPLING, PVC SDR-26

#### Stock Number

#### Stock Description

000182354

4" x 4" H x H

000183059

6" x 6" H x H

000196509

8" x 8" H x H

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D3034 - PVC Sewer Fittings

See Appendix A for full description of standards

# Coupling, Repair

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Romac Industries, Inc

### Model/Series #

MACRO HP



## Material Description

Sleeve type ductile iron 2 bolt coupling consisting of center sleeve, end rings and multi-range two layered EPDM gasket and stainless steel spanner per end with a type 304 stainless steel nut and bolt per end. The design is per AWWA C219 with a working pressure of 260 psi.

## Application

For water and reclaim pipe repairs, above and below ground. Provides an Extended Range Coupling for multipurpose use from steel pipe up through class 200 asbestos cement pipe. Each end requires only one bolt to compress the gasket around the pipe.

## GRU Stock Information

### COUPLING, REPAIR, ROMAC

#### Stock Number

#### Stock Description

|        |     |
|--------|-----|
| 800848 | 6"  |
| 800898 | 8"  |
| 800996 | 12" |
| 801038 | 3"  |
| 801143 | 4"  |
| 802948 | 2"  |
| 80945  | 10" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA - C219

ASTM A536

AWWA C219 - Coupling

NSF-61

See Appendix A for full description of standards

## Coupling, Repair, XL

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

Romac Industries, Inc

#### Model/Series #

Alpha XL



### Material Description

Sleeve type ductile iron 2 bolt coupling consisting of center sleeve, end rings and multi-range two layered EPDM gasket and stainless steel spanner per end with a type 304 stainless steel nut and bolt per end. The design is per AWWA C219 with a working pressure of 260 psi.

### Application

For water and reclaim pipe repairs, above and below ground. Provides an Extended Range Coupling for multipurpose use. XL accommodates Ductile Iron through Oversize Cast Iron pipe diameters. Each end requires only one bolt to compress the gasket around the pipe.

### GRU Stock Information

#### COUPLING, REPAIR, ROMAC

#### Stock Number

#### Stock Description

807567

6"

807613

8"

807664

12"

\*For GRU use only: an X indicates item is stockless

### National Standards

ANSI/AWWA - C219

ASTM A536

AWWA C219 - Coupling

NSF-61

See Appendix A for full description of standards

# Coupling, Repair, Polyethylene Tubing

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| Manufacturer Name | Model/Series #    |
|-------------------|-------------------|
| Flo Control, Inc  | 510-10 (SDR 13.5) |
| Flo Control, Inc  | 710-10 (SDR 9)    |

## Material Description

Plastic coupling for repair of polyethylene tubing (SDR 9, 250 PSI) and (SDR 13.5, 160 PSI) copper tube size (PE-CTS); outlet: compression; inlet: compression.

## Application

For use in repairing polyethylene tubing in water and reclaimed water systems.

## GRU Stock Information

### COUPLING, REP PB 1" x 1" SDR

#### Stock Number

#### Stock Description

|           |                         |
|-----------|-------------------------|
| 000160458 | 1"x1" SDR 13.5, 160 PSI |
| 000168904 | 1"x1" SDR 9, MIPxPB     |
| 000168955 | 1"x1" SDR 9, SPGTxPB    |
| 000169005 | 1"x1" SDR 13.5, MIPxPB  |
| 000169056 | 1"x1" SDR 13.5, SPGTxPB |
| 000584703 | 1"x1" SDR 9, 250 PSI    |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2666 - Materials

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-68.10  
7/1/2022



# Coupling, Repair, Strongback, DI to CI or PVC

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Fernco Inc

### Model/Series #

1051 RC



## Material Description

Repair coupling is 0.012" thick stainless steel shield and a molded-in brushing.

## Application

For connecting similar or dissimilar materials in repair of wastewater piping. For use in ductile iron to cast iron or PVC connections. Designed for resistance to heavy earth loads and shear forces, and provides improved pipe alignment.

## GRU Stock Information

### COUPLING, REPAIR, STRONGBACK

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000798312 | 4" X 4" (4.80"x 4.39")    |
| 000798363 | 4" X 6" (4.75" x 6.60")   |
| 000798428 | 6" X 4" (6.95" x 4.38")   |
| 000798517 | 6" X 6" (6.96"x 6.69")    |
| 000798568 | 8" X 6" (9.05"x6.38")     |
| 000798614 | 8" X 8" (9.25"x8.51")     |
| 000798665 | 12" X 10" (13.30"x10.6")  |
| 000804983 | 12" X 12" (13.30"x13.30") |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C1173 - Couplings

ASTM D5926 - PVC Gaskets

CSA B602 - Clamps

CSA B602 - Coupling

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**C-68.20  
4/12/2023**

# Coupling, Repair, Strongback, CI/PVC to CI/PVC

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Fernco Inc

### Model/Series #

1056 RC



## Material Description

Repair coupling is 0.012" thick stainless steel shield and a molded-in brushing.

## Application

For connecting similar or dissimilar materials in repair of wastewater piping. For use in cast iron or PVC to cast iron or PVC connections. Designed for resistance to heavy earth loads and shear forces, and provides improved pipe alignment.

## GRU Stock Information

### COUPLING, REPAIR, STRONGBACK

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000079813 | 6" X 6" (6.60"x 6.60")    |
| 000798037 | 4" X 4" (4.58"x4.58")     |
| 000798088 | 6" X 4" (6.60"x4.50")     |
| 000798185 | 8" X 6" (8.64" x 6.38")   |
| 000798231 | 8" X 8" (8.64" x 8.64")   |
| 000798282 | 10" X 10" (10.63"x10.63") |
| 000798339 | 12" X 12" (12.52"x12.52") |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C1173 - Couplings

ASTM D5926 - PVC Gaskets

CSA B602 - Clamps

CSA B602 - Coupling

See Appendix A for full description of standards

# Coupling, Repair, Strongback, Clay to CI or PVC

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Fernco Inc

### Model/Series #

1002 RC



## Material Description

Repair coupling is 0.012" thick stainless steel shield and a molded-in brushing.

## Application

For connecting similar or dissimilar materials in repair of wastewater piping. For use in Clay to cast iron or PVC connections. Designed for resistance to heavy earth loads and shear forces, and provides improved pipe alignment.

## GRU Stock Information

### COUPLING, REPAIR, STRONGBACK

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000798479 | 4" X 4" (5.36"x4.51")     |
| 000798525 | 6" X 6" (7.50"x6.56")     |
| 000798576 | 6" X 4" (7.50"x4.50")     |
| 000798622 | 8" X 8" (10"x8.49")       |
| 000798673 | 12" X 12"(14.51"x12.6")   |
| 000798711 | 10" X 10"(12.4"x10.75")   |
| 000801488 | 16" x 15" (18.14"x15.40") |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C1173 - Couplings

ASTM D5926 - PVC Gaskets

CSA B602 - Clamps

CSA B602 - Coupling

See Appendix A for full description of standards

# Coupling, Repair, Strongback, Clay to DI

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Fernco Inc

### Model/Series #

1003 RC



## Material Description

Repair coupling has a 0.012" thick stainless steel shield and a molded-in brushing.

## Application

For connecting similar or dissimilar materials in repair of wastewater piping. For use in ductile iron to clay connections. Designed for resistance to heavy earth loads and shear forces, and provides improved pipe alignment.

## GRU Stock Information

### COUPLING, REPAIR, STNGBK, CLAY TO DI

#### Stock Number

000801437

000801755

#### Stock Description

12" x 12" (14.51"x13.2")

8" x 8" (9.75" x 9.06")

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C1173 - Couplings

ASTM D5926 - PVC Gaskets

CSA B602 - Coupling

See Appendix A for full description of standards

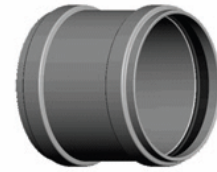
# Coupling, Repair, SDR 26, Gasket x Gasket

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Injection Molded gasketed SDR 26 sewer fittings shall be manufactured in accordance with ASTM D 3034, ASTM F1336, and CSA B182.2. The repair coupling is gasket x gasket configuration.

## Application

Used in wastewater systems.

## GRU Stock Information

### COUPLING, REPAIR, SDR 26, GxG

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000800406 | 4"  |
| 000800457 | 6"  |
| 000800503 | 8"  |
| 000800554 | 10" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - PVC Compound  
ASTM D3034 - Fittings  
ASTM F1336

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

C-69.00  
7/1/2022

## Coupling, Steel

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Romac Industries, Inc    | 501                   |
| Smith-Blair, Inc         | 413                   |



### GRU Stock Information

#### ADAPTER, STEEL C.I./D.I. TO SDR-35

##### Stock Number

##### Stock Description

|           |         |
|-----------|---------|
| 000118079 | 4" x 4" |
| 000118125 | 6" x 6" |
| 000118176 | 8" x 8" |

### Material Description

Carbon steel sleeve with ductile iron flanges and rubber gaskets. Furnished with high strength low alloy, corrosion resistant steel bolts & nuts.

### Application

Used to connect wastewater pipes of different outside diameters. (Ductile or cast iron to SDR-35) Allows for additional pipe deflection.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536  
ASTM D2000 - Gaskets  
AWWA C111  
AWWA C219 - Coupling Spec

See Appendix A for full description of standards

# Cross, DI, Cement Lined, MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

All MJ cross constructed of ductile iron with a cement lined interior and overall bituminous coating. Provided without MJ accessories.

## Application

Pressurized potable and reclaimed water systems.

## GRU Stock Information

### CROSS

#### Stock Number

#### Stock Description

|           |           |
|-----------|-----------|
| 000028916 | 20" x 8"  |
| 000040169 | 8" x 8"   |
| 000250287 | 12" x 6"  |
| 000363642 | 6" x 6"   |
| 000406783 | 12" x 8"  |
| 000476501 | 16" x 12" |
| 000507105 | 8" x 6"   |
| 000790796 | 12" x 12" |
| 000800635 | 8" x 4"   |
| 000800686 | 12" x 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C153 - DI Fittings

ANSI/AWWA C110 - DI Fittings

See Appendix A for full description of standards



## Drop Bowl, Fiberglass

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Reline/Duran

#### Model/Series #

A6DB



### Material Description

White Fiberglass Receptor Bowl

### Application

For use in manholes with inside drops of various pipe sizes.

### GRU Stock Information

#### DROP BOWL, FIBERGLASS

#### Stock Number

801119

801364

801569

#### Stock Description

4" OUTLET

6" OUTLET

8" OUTLET

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



## Elbow, Brass, FNPT, 90 Degree

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Merit Brass

#### Model/Series #

IBRLF9K



### Material Description

Brass 90 Degree Elbow female threads on both ends.

### Application

Connection of piping system at bends where designed or appropriate.

### GRU Stock Information

Elbow, brass, 90 Deg, FNPT

#### Stock Number

802409

806463

#### Stock Description

2"-90 Degree

1"-90 Degree

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Elbow, PVC, Schedule 40, 45 and 90 Degrees

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Schedule 40 PVC (Type 1, Grade 1) 45 degree or 90 degree elbow with solvent weld joint, slip x slip.

## Application

Connection of piping system at bends where designed or appropriate.

## GRU Stock Information

### ELB, PVC SCH 40

#### Stock Number

#### Stock Description

|           |                  |
|-----------|------------------|
| 000102857 | 3/4" - 90 DEG.   |
| 000102903 | 1" - 90 DEG.     |
| 000104256 | 1-1/2" - 90 DEG. |
| 000104302 | 2" - 90 DEG.     |
| 000104353 | 1-1/2" - 45 DEG. |
| 000104507 | 2" - 45 DEG.     |
| 000798975 | 3" - 90 DEG.     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2466 - PVC Pressure Fittings

See Appendix A for full description of standards

## Elbow, SDR 11, IPS, 90 Deg

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

200# pressure class IPS HDPE pipe with a sweeping 90 degree bend.

### Application

For use in ARV's.

### GRU Stock Information

ELB, HDPE, SDR 11

Stock Number

Stock Description

804959

2", 90 DEG

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Elbow, Heavywall, SDR 26, 90 Deg

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Multi Fittings



## Material Description

Gasket x Spigot Sewer Heavy Wall Straight SDR 26 PVC 90 Degree Elbow

## Application

For use in ARV's.

## GRU Stock Information

### ELB, HEAVYWALL PVC, SDR 26, 90 DEG

#### Stock Number

#### Stock Description

801313

4"

801518

6"

801666

8"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D3034 - Fittings

ASTM F679 - PVC Sewer Pipe

See Appendix A for full description of standards

# Extension Plate, Valve Top/Bottom

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

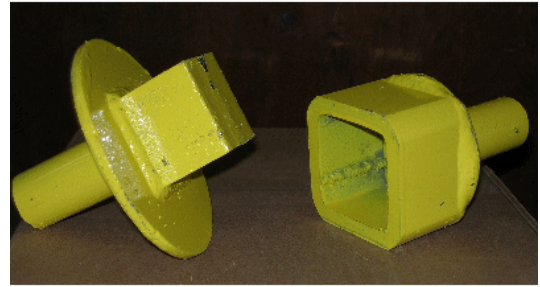
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Top & bottom plate for valve extensions; Steel: A-36 structural; Welds: all welds are continuous; finish: primed black & dip with safety yellow shop coat finish. Note: a variable length of 1-1/4" sch-80 pipe w/2" square nut shall be welded to the top and bottom plates.

## Application

For use in water, wastewater and reclaimed water systems.

## GRU Stock Information

### EXT PLATES VALVE

#### Stock Number

000281905

000282006

#### Stock Description

TOP 1-1/4" sch 80

BOTTOM 1-1/4" sch 80

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A36 - Steel

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

E-70.00  
7/5/2023

# Flag, Warning, Underground Utilities

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Flag marker for underground utilities.

## Application

For use in water, wastewater and reclaimed water systems.

## GRU Stock Information

### FLAG, WARNING UD

#### Stock Number

#### Stock Description

000384682

Water Flag (Blue)

000384739

Sewer Flat (Green)

000384836

Reclaimed Flag (Purple)

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

F-20.00  
7/1/2022

# Flange, Socket, SCH 80 PVC, Solvent Weld

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

SCH 80 solvent weld to Flange socket. Van Stone Flange.

## Application

For use in above ground Air Release Valves

## GRU Stock Information

### FL, SOCKET, SCH 80 SOLVENT WELD

#### Stock Number

#### Stock Description

000799483

2"

000799491

4"

000799637

3"

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16-5 - Flange Gaskets

ASTM 1784 - PVC Compound

ASTM D2467 - SCH 80 PVC

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

F-32.00

7/1/2022

# Flange Fitting, DI, CL 125 (Thread/Weld)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>  | <u>Model/Series #</u> |
|---------------------------|-----------------------|
| Anvil International, Inc  | Class 125             |
| Clow Valve Company        | DI Flanges            |
| Sigma Corp / Russell Pipe | Threaded Flanges      |
| Tyler Pipe Company        | DI C110               |



## Material Description

Threaded (FNPT) or weld-on type ductile iron flange, 125 lb rating.

## Application

For use with iron and steel pipe.

## GRU Stock Information

### FL, ST PIPE

#### Stock Number

#### Stock Description

|           |                     |
|-----------|---------------------|
| 000365106 | 3" (weld on type)   |
| 000365157 | 4" (weld on type)   |
| 000365203 | 3" (thread on type) |
| 000365254 | 4" (thread on type) |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Drilling  
ANSI C110 - Ductile Iron  
ASTM A1907 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

F-40.00  
7/1/2022



# Flat Top, Manhole Section, No Access Hole

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Del Zotto Products

Forterra

Standard Precast, Inc

## Material Description

Manhole flat top slab shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.

## Application

For use in construction with manhole joint sealant. Use in wastewater manhole applications where cone section is not feasible.

## GRU Stock Information

### FLAT TOP, SLAB, W/NO HOLE

#### Stock Number

000500453

#### Stock Description

FLAT TOP SLAB W/ NO HOLE

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C478/AASHTO M199 - Precast Concrete

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**F-50.00  
4/5/2017**

# Flat Top, Manhole Section, w/ Access Hole

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Del Zotto Products

Forterra

Standard Precast, Inc



## Material Description

Manhole flat top slab with opening shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.

## Application

For use in construction with manhole joint sealant. Use in wastewater manhole applications where cone section is not feasible.

## GRU Stock Information

### FLAT TOP, MH, SLAB W HOLE

#### Stock Number

000500208

#### Stock Description

FLAT TOP SLAB W/HOLE

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C478/AASHTO M199 - Precast Concrete

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

F-51.00  
7/5/2023

# Flat Top, Manhole Section, Polymer

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Armorock



## GRU Stock Information

FLAT TOP, MH SEC, ARMOROCK, REHAB

Stock Number

Stock Description

803928

48"X24"

## Material Description

Flattop manhole cover made of polymer composite material. With Access Hole.

## Application

Manhole installation and Rehabilitation

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

F-52.00  
7/25/2023

# Gasket, Flange, Full Face, 1/8" Thickness

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

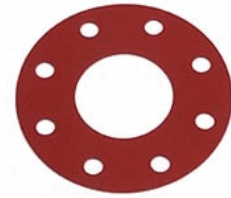
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Material; synthetic rubber (red); thickness: 1/8" class 125, full face. Note: U.S. manufactured only.

## Application

Gasket for flanged pipe or fittings.

## GRU Stock Information

### GASKET, FL FULL-FACE

#### Stock Number

#### Stock Description

|           |              |
|-----------|--------------|
| 000131105 | 3"           |
| 000131156 | 16"          |
| 000131202 | 20"x27.5" OD |
| 000131253 | 24"          |
| 000311537 | 4"x9" OD     |
| 000311588 | 6"x11" OD    |
| 000311634 | 8"x13.5" OD  |
| 000311685 | 10"x16" OD   |
| 000311731 | 12"x6" OD    |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16-5 - Flange Gaskets

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-10.00

7/1/2022

# Gasket, Flange, Ring, 1/8" Thickness

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Material; synthetic rubber (red); thickness: 1/8"; class 125, ring gasket. Note: U.S. manufactured only.

## Application

Gaskets for flanged pipe or fittings.

## GRU Stock Information

### GASKET, FLANGE RING GASKET

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000174742 | 3"  |
| 000174793 | 4"  |
| 000174807 | 10" |
| 000174858 | 12" |
| 000174904 | 16" |
| 000174947 | 6"  |
| 000174955 | 20" |
| 000174998 | 8"  |
| 000175005 | 24" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16-5 - Flange Gaskets

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-10.10  
7/1/2022

# Gasket, MJ, Standard

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>  | <u>Model/Series #</u> |
|---------------------------|-----------------------|
| EBAA Iron Sales, Inc      | EBAA Seal             |
| Romac Industries, Inc     | MJ Gasket             |
| Sigma Corp / Russell Pipe | Sigma Seal            |
| Star Pipe Products        | MJ Gasket             |
| Tyler Pipe Company        | MJ Field Lok          |

## Material Description

Gasket shall be a molded, vulcanized, IRON synthetic rubber (SBR) ring gasket for use with gasketed ductile iron or PVC pipe and fittings.

## Application

For use w/gasketed ductile iron or PVC pipe and fittings.

## GRU Stock Information

### GASKET, STD, MJ

| Stock Number | Stock Description |
|--------------|-------------------|
| 000183598    | 30"               |
| 000365459    | 6"                |
| 000365491    | 4"                |
| 000365505    | 8"                |
| 000365556    | 10"               |
| 000365602    | 12"               |
| 000365807    | 14"               |
| 000365858    | 16"               |
| 000365881    | 18"               |
| 000365904    | 20"               |
| 000365955    | 24"               |
| 000365967    | 36"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C111 - Rubber Gaskets

See Appendix A for full description of standards

# Gasket, MJ, Transition

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>  | <u>Model/Series #</u> |
|---------------------------|-----------------------|
| Romac Industries, Inc     | MJxIPS Trans Gskt     |
| Sigma Corp / Russell Pipe | Transtions Gasket     |
| Star Pipe Products        | Trans MJ Gasket       |
| Tyler Pipe Company        | MJ Trans Gasket       |



## Material Description

Gasket shall be a molded, vulcanized, synthetic rubber (SBR) ring gasket for use with gasketed PVC pipe.

## Application

Gasket shall be used to transition between PVC pipe that does not possess iron pipe size outside diameter and pipe possessing iron pipe size outside diameter.

## GRU Stock Information

### GASKET, MJ, TRANSITION

| Stock Number | Stock Description |
|--------------|-------------------|
| 000151807    | 4"                |
| 000151858    | 6"                |
| 000151904    | 8"                |
| 000151955    | 10"               |
| 000152005    | 12"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C111 - Rubber Gaskets

See Appendix A for full description of standards

# Gasket, Restraint

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

American Cast Iron Pipe Co

Fast Grip

Barracuda

or Approved Equal

US Pipe & Foundry Co

Field Lok



## Material Description

Restraint gaskets shall be an allowable working pressure of 350 psi for 4" to 12" pipe and 250 psi for 14" to 20" pipe sizes. 24" gaskets shall be an allowable working pressure of 250 psi with Pressure Class 250 or heavier pipe, and 200 psi with Pressure Class 200 pipe. 30" gaskets shall be 150 psi working pressure associated with Pressure Class 150 pipe. Must agree with pipe manufacturer and be a color other than black.

## Application

Provide restraint when using ductile iron pipe.

## GRU Stock Information

### GASKET, FAST GRIP

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000015339 | 4"  |
| 000015347 | 16" |
| 000015354 | 6"  |
| 000015362 | 8"  |
| 000015370 | 12" |
| 000015388 | 18" |
| 000015396 | 20" |
| 000015404 | 24" |
| 000015412 | 30" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C111/A21.11 - Gasket

NSF/ANSI 61 - Potable Systems

See Appendix A for full description of standards



# Gasket, Rieberlok C900, Locking

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Rieberlok



## Material Description

Locking gasket with stainless steel locking segment that engage progressively as load increases with proprietary seal.

## Application

Provide restraint when using PVC

## GRU Stock Information

### GASKET, RIEBERLOK C900 LOCKING

#### Stock Number

#### Stock Description

|        |     |
|--------|-----|
| 804592 | 4"  |
| 804649 | 6"  |
| 804746 | 8"  |
| 804797 | 10" |
| 804843 | 12" |
| 804894 | 16" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D3139 - Gasket Joints

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-12.10  
7/25/2023

# Gland, Anchoring, Split Style

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

EBAA Iron Sales, Inc

### Model/Series #

1100SD



## Material Description

Restraint gland shall be manufactured of ductile iron. Restraint devices shall be coated using MEGA-BOND. The split restraint ring, incorporating a plurality of individually actuating gripping surfaces, shall be used to grip the pipe, and a sufficient number of bolts shall be used to connect the restraint to the mechanical joint. Split-type for anchoring fittings; materials: CI or DI.

## Application

For restraining plain-end DIP pipe at mechanical joint fittings and appurtenances on existing pipe in-place.

## GRU Stock Information

### GLAND, RETAINER ANCHORING FITTING

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000006572 | 12" |
| 000351008 | 6"  |
| 000351059 | 8"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

ASTM D2774 - Pressure Testing

AWWA C600 - Pressure Testing

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-20.00

7/1/2022

# Gland, MJ, C900 PVC, Split Style

## Material Item Approved for Use In

Water System: ☒

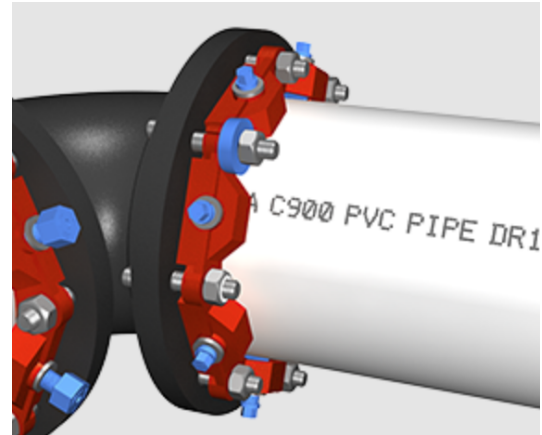
Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| Manufacturer Name | Model/Series # |
|-------------------|----------------|
|-------------------|----------------|

|                      |        |
|----------------------|--------|
| EBAA Iron Sales, Inc | 2000SV |
|----------------------|--------|



## GRU Stock Information

### GLAND, MJ, SPLIT STYLE

| Stock Number | Stock Description |
|--------------|-------------------|
|--------------|-------------------|

|           |              |
|-----------|--------------|
| 000132306 | 4" - 2004 SV |
|-----------|--------------|

|           |              |
|-----------|--------------|
| 000132357 | 6" - 2006 SV |
|-----------|--------------|

|           |              |
|-----------|--------------|
| 000132403 | 8" - 2008 SV |
|-----------|--------------|

## Material Description

Constructed of ductile iron with megabond restraint coating system. Mechanical joint fullover gland is incorporated into the restraint. Furnish with appropriate restraint gasket lubrication and bolting hardware.

## Application

For restraining plain end C-900 PVC pipe at mechanical joint fittings and appurtenances on existing pipe in-place.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

ASTM D1784 - PVC

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-20.10

7/5/2023

# Gland, Joint Restraint, MJ, DI, Split

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>  | <u>Model/Series #</u> |
|---------------------------|-----------------------|
| EBAA Iron Sales, Inc      | 2000SV                |
| Sigma Corp / Russell Pipe | SSLD                  |

## Material Description

The Split mechanical joint, wedge action restraining follower gland for PVC pipe provides restraint for mechanical joint fittings over existing installations of PVC pipe. Restraining gland, wedge segments, and actuating bolts shall be manufactured of high strength ductile iron conforming to the requirements of ASTM A536.

## Application

For use on PVC pipe at mechanical joints

## GRU Stock Information

### GLAND, RESTR, DI, SPLIT

| Stock Number | Stock Description |
|--------------|-------------------|
| 000800341    | 8"                |
| 000800392    | 12"               |
| 000800449    | 16"               |
| 000800546    | 24"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536  
AWWA C111  
AWWA C153 - DI Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-20.90  
7/1/2022

# Gland, Joint Restraint, MJ, Iron Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| EBAA Iron Sales, Inc     | 1100 Megalug          |
| Sigma Corp               | SLDE                  |
| SIP Industries           | EZ-GRIP               |
| Star Pipe Products       | 3000 Series           |
| Tyler Union              | 1000TLD               |

## Material Description

Mechanical joint restraint for iron fittings with mechanical joint follower gland incorporated into restraint. Constructed from ductile iron. Accessory kits are separate – refer to “Joint Restraint Accessory Kits” for reference. Uses Wedge Action Restraint.

## Application

Mechanical restraint of iron pipe to iron fittings.

## GRU Stock Information

### GLAND, RESTR, IRON PIPE

| Stock Number | Stock Description |
|--------------|-------------------|
| 000054115    | 4"                |
| 000054287    | 10"               |
| 000054313    | 14"               |
| 000054351    | 18"               |
| 000054364    | 20"               |
| 000054589    | 24"               |
| 000054622    | 30"               |
| 000054731    | 36"               |
| 000087823    | 12"               |
| 000090727    | 16"               |
| 000520306    | 6"                |
| 000620009    | 8"                |
| 000803847    | 3"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

ASTM D2774 -Hydrostatic Testing

AWWA C600 - Hydrostatic Testing

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

G-21.00  
4/17/2024

# Gland, Joint Restraint, MJ, C900 PVC Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| EBAA Iron Sales, Inc     | 2000PV Series         |
| Sigma Corp               | SLC                   |
| SIP Industries           | EZ-GRIP               |
| Star Pipe Products       | 4000 Series           |
| Tyler Union              | 2000TLP               |

## Material Description

Mechanical joint restraint for PVC pipe connected to cast or ductile iron fittings. Constructed of ductile iron. MJ accessory kit not included.

## Application

Mechanical restraint of PVC pipe to iron fittings. For restraining plain end PVC pipe at mechanical joint fittings and appurtenances.

## GRU Stock Information

### GLAND, RESTR, PLASTIC PIPE

| Stock Number | Stock Description |
|--------------|-------------------|
| 000177190    | 4"                |
| 000177288    | 6"                |
| 000177334    | 8"                |
| 000177388    | 10"               |
| 000177423    | 12"               |
| 000177456    | 14"               |
| 000177497    | 16"               |
| 000177508    | 18"               |
| 000177536    | 20"               |
| 000177571    | 24"               |
| 000177633    | 30"               |
| 000177695    | 36"               |
| 806013       | 3"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C153 - DI Fittings

ANSI/AWWA C111/A21.11 - Gasket

ASTM A536 - Bolts & Nuts

See Appendix A for full description of standards

# Hydrant, Fire, American Darling

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B-5



## Material Description

Hydrant shall be equipped with (3) nozzles ((2) - 2.5" hose nozzles and (1) - 4.5" pumper nozzle), a 5-1/4" main valve, a 1-1/2" pentagon shaped operating nut, and shall open counterclockwise (left). Hydrant shall utilize a 6" MJ type connection and shall be furnished complete with accessories (gland, gasket, nuts, bolts). (Mueller - Super Centurion 250)

## Application

Dry barrel, traffic designed, for use in domestic potable water systems. Hydrant shall be designed for a working pressure of 250 psi. Hydrant shall be provided without safety chains on the nozzle caps and shall be painted reflective yellow. Hydrant nozzles shall be National Standard hose thread.

## GRU Stock Information

### HYD, FIRE 6" x AMERICAN DARLING

#### Stock Number

#### Stock Description

|           |            |
|-----------|------------|
| 000016969 | 6" x 3'-0" |
| 000017809 | 6" x 2'-6" |
| 000462721 | 6" x 4'-0" |
| 000508373 | 6" x 4'-6" |
| 000668427 | 6" x 3'-6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant, Fire, Mueller

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-423 O/L (6")



## Material Description

Hydrant shall be equipped with (3) nozzles ((2) - 2.5" hose nozzles and (1) - 4.5" pumper nozzle), a 5-1/4" main valve, a 1-1/2" pentagon shaped operating nut, and shall open counterclockwise (left). Hydrant shall utilize a 6" MJ type connection and shall be furnished complete with accessories (gland, gasket, nuts, bolts). (Mueller - Super Centurion 250)

## Application

Dry barrel, traffic designed, for use in domestic potable water systems. Hydrant shall be designed for a working pressure of 250 psi. Hydrant shall be provided without safety chains on the nozzle caps and shall be painted reflective yellow. Hydrant nozzles shall be National Standard hose thread.

## GRU Stock Information

### HYD, FIRE 6" x MUELLER

#### Stock Number

#### Stock Description

|        |            |
|--------|------------|
| 805181 | 6" x 3'-0" |
| 805238 | 6" x 2'-6" |
| 805289 | 6" x 4'-0" |
| 805335 | 6" x 4'-6" |
| 805386 | 6" x 3'-6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



# Hydrant, Fire, Clow

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Clow Valve Company

### Model/Series #

F-2545



## Material Description

Hydrant shall be equipped with (3) nozzles ((2) - 2.5" hose nozzles and (1) - 4.5" pumper nozzle), a 5-1/4" main valve, a 1-1/2" pentagon shaped operating nut, and shall open counterclockwise (left). Hydrant shall utilize a 6" MJ type connection and shall be furnished complete with accessories (gland, gasket, nuts, bolts). (Mueller - Super Centurion 250)

## Application

Dry barrel, traffic designed, for use in domestic potable water systems. Hydrant shall be designed for a working pressure of 250 psi. Hydrant shall be provided without safety chains on the nozzle caps and shall be painted reflective yellow. Hydrant nozzles shall be National Standard hose thread.

## GRU Stock Information

### HYD, FIRE 6" x CLOW

#### Stock Number

#### Stock Description

|        |            |
|--------|------------|
| 805432 | 6" x 3'-0" |
| 805483 | 6" x 2'-6" |
| 805637 | 6" x 4'-0" |
| 805688 | 6" x 4'-6" |
| 805734 | 6" x 3'-6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant, Out-of-Service Disk

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Hydra-Shield Mftg, Inc

Pollard Water Co, Inc

### Model/Series #

HS 4.5" Nozzle

P68504



## Material Description

"Out of Service" disk shall be reflective white, durable plastic disk with blue or black lettering that will not peel or fade. Disk shall be sized for use on 4.5" nozzle of hydrant.

## Application

Hydrant out-of-service notification.

## GRU Stock Information

RING, "OUT OF SERVICE" FIRE HYD 4.5"

### Stock Number

000088374

### Stock Description

4.5"

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-11.00

7/1/2022

# Hydrant Extension, Clow

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

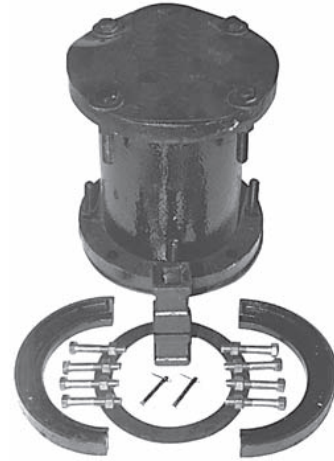
## Approved Manufacturers

### Manufacturer Name

Clow Valve Company

### Model/Series #

F1213



## Material Description

Hydrant extension; material: cast iron; valve opening; 5 1/4".  
Hydrant extension kit including: barrel extension, steel stem coupling, stainless steel clevis pins and cotter pins, solid flange, gasket, bolts and nuts and a can of hydrant lubricating oil.

## Application

Extension of hydrant base.

## GRU Stock Information

### EXT KIT, FIRE HYD 6" x , CLOW

#### Stock Number

#### Stock Description

|           |            |
|-----------|------------|
| 000086355 | 6" X 2'-0" |
| 000122092 | 6" X 0'-6" |
| 000189324 | 6" X 3'-0" |
| 000387118 | 6" X 1'-6" |
| 000691259 | 6" X 1'-0" |
| 000813591 | 6" X 2'-6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant Parts, American Darling B-84-B

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B-5



## Material Description

Hydrant; valve opening: 6"; manufacturer: American Darling (B-84-B-5).

## Application

Hydrant for use in water systems.

## GRU Stock Information

### HYD, FIRE, PARTS, AD, B-84

#### Stock Number

#### Stock Description

|           |                       |
|-----------|-----------------------|
| 000006114 | O-Ring, CVR 84-2-1    |
| 000006815 | Sleeve O-Ring         |
| 000006866 | Hoze Nozzles          |
| 000006874 | Steamer Nozzle O-Ring |
| 000006912 | Hose Nozzle O-Rings   |
| 000006963 | Hose Gaskets          |
| 000006971 | Steamer Gasket        |
| 000039616 | Upper Barrel          |
| 000039624 | Weather Cover         |
| 000039675 | Housing Cover         |
| 000039713 | Hose Caps             |
| 000039721 | Cover Cap Screws      |
| 000039772 | Housing               |
| 000039829 | Housing Bolts & Nuts  |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-20.00  
7/1/2022

# Hydrant Parts, American Darling B-84-B

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B-5



## GRU Stock Information

### HYD, FIRE, PARTS, AD, B-84

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000006262 | Housing Gasket            |
| 000006319 | Drain Ring Gasket         |
| 000006416 | Barrel Gasket             |
| 000006467 | Base (MJ/Less Acc.)       |
| 000006661 | Seat O-Ring               |
| 000006718 | Hydrant Valve             |
| 000006769 | Rod Sleeve                |
| 000006777 | Set Screw, Nozzle 84-24-3 |
| 000039365 | Travel Stop Nut           |
| 000039527 | Thrust Washer             |
| 000039578 | Pipe Plug                 |
| 000039977 | Weather Shield            |
| 000040517 | Lever Drain               |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

## Material Description

Hydrant; valve opening: 6"; manufacturer: American Darling (B-84-B-5).

## Application

Hydrant for use in water systems.



Water, Wastewater, and Reclaimed Water  
Material Standards

H-20.01  
7/1/2022

# Hydrant Parts, American Darling B-84-B

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B-5



## Material Description

Hydrant; valve opening: 6"; manufacturer: American Darling (B-84-B-5).

## Application

Hydrant for use in water systems.

## GRU Stock Information

### HYD, FIRE, PARTS, AD, B-84

#### Stock Number

#### Stock Description

|           |                         |
|-----------|-------------------------|
| 000006068 | Nut, Operating 84-1     |
| 000006165 | O-Ring, Housing 84-2-2  |
| 000006211 | Gasket, CVR 84-13       |
| 000006564 | Seal, HYD 84-35-02      |
| 000006823 | Nozzle, Steamer 84-25-3 |
| 000029462 | Base, MJ Less Acc       |
| 000039861 | Upper Rod               |
| 000039918 | Coupling & Cotter Pins  |
| 000040088 | Barrel, Long 2'-6"      |
| 000040134 | Barrel, Long 3'-0"      |
| 000040185 | Barrel, Long 3'-6"      |
| 000040231 | Barrel, Long 4'-0"      |
| 000040282 | Barrel, Long 4'-6"      |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant Parts, American Darling B-84-B

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B-5



## GRU Stock Information

### HYD, FIRE, PARTS, AD, B-84

#### Stock Number

000039411

000039764

000040177

#### Stock Description

Drain Ring

Steamer Cap

Drain Lever Rivets

## Material Description

Hydrant; valve opening: 6"; manufacturer: American Darling (B-84-B-5).

## Application

Hydrant for use in water system.

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-20.03

7/5/2023

# Hydrant Parts, American Darling B-84-B, Safety Kit

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

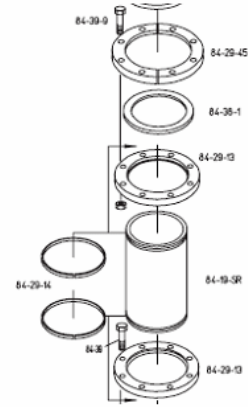
## Approved Manufacturers

### Manufacturer Name

American-Darling / AFC

### Model/Series #

B-84-B KIT



## Material Description

Hydrant safety flange repair kit; valve opening: 6". Consists of (1) breakable barrel flange, (1) snap ring, (8) barrel bolts, (1) barrel gasket, (1) rod coupling, (2) rod coupling pin & cotter pin.

## Application

Hydrant safety flange kit for use in water systems.

## GRU Stock Information

HYD, FIRE, SAFETY FL KIT, AD, B-84-B

### Stock Number

000040339

### Stock Description

FL Kit, Safety

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



# Hydrant Parts, American Darling B-84-B, Ext Kit

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

### Manufacturer Name

ACIPCO

### Model/Series #

B-84-B-5

## Material Description

Hydrant extension; material: cast iron; valve opening: 6". Consists of (1) barrel extension, (1) unbreakable rod coupling, (2) unbreakable flanges, (2) snap rings, (2) rod coupling pins, (1) extension rod, (2) barrel gaskets & (8) barrel bolt & nuts.

## Application

Hydrant extension kit for use in water systems.

## GRU Stock Information

### HYD PARTS, EXT KIT, AD, B-84-B

#### Stock Number

#### Stock Description

|           |                      |
|-----------|----------------------|
| 000005711 | 6" X 0'-6" B-84-B-06 |
| 000005762 | 6" X 1'-0" B-84-B-12 |
| 000005819 | 6" X 1'-6" B-84-B-18 |
| 000005916 | 6" X 2'-0" B-84-B-24 |
| 000005967 | 6" X 2'-6" B-84-B-30 |
| 000006017 | 6" X 3'-0" B-84-B-36 |
| 000042714 | Break Repair Kit     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C701 - Meter Type

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-22.00  
6/4/2024

# Hydrant Parts, Mueller A-301, Safety FL Kit

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-301 Centurion



## Material Description

Hydrant safety flange repair kit; valve opening: 5-1/4" and consists of notched steel safety stem coupling, stainless steel clevis pins and cotter pins, safety flange, gasket, three bolts and nuts, and a bottle of hydrant lubricating oil.

## Application

Hydrant safety flange kit for use in water systems.

## GRU Stock Information

HYD, FIRE, FLANGE, SAFETY A301

### Stock Number

000042315

### Stock Description

5-1/4" Valve Opening

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-30.00  
7/1/2022

# Hydrant Parts, Mueller A-416, Extension Kit (4.5")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-319 IMPROVE



## Material Description

Hydrant extension; material: cast iron; valve opening: 4-1/2". Consists of barrel extension, steel stem coupling, stainless steel clevis pins and cotter pins, solid flange, gasket, bolts and nuts, and a can of hydrant lubricating oil. Note: extension for hydrants manufactured after 1972 utilizing h-125, safety stem coupling with h-136 clevis pins.

## Application

Hydrant extension kit for use in water systems.

## GRU Stock Information

HYD, FIRE, EXT, 6" MUE

### Stock Number

### Stock Description

|           |            |
|-----------|------------|
| 000051268 | 6" X 0'-6" |
| 000051314 | 6" X 1'-0" |
| 000051365 | 6" X 1'-6" |
| 000051411 | 6" X 2'-0" |
| 000051462 | 6" X 2'-6" |
| 000051519 | 6" X 3'-0" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant Parts, Mueller A-416, (4.25")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-416/4-1/4



## GRU Stock Information

### HYD, FIRE, PARTS, MUE A416

#### Stock Number

#### Stock Description

|           |                          |
|-----------|--------------------------|
| 000045276 | Coupling, Safety Stem    |
| 000045314 | Stem, Upper H-74         |
| 000045365 | Screw, Set H-94          |
| 000045411 | Sleeve, Safety H-95      |
| 000045462 | Stem, Lower H-79 3'-0"   |
| 000045519 | Stem, Lower H-79 3'-6"   |
| 000048127 | Plate, Upper Valve H-83  |
| 000048178 | Ring, Seat H-87          |
| 000048224 | Valve, Main H-88         |
| 000048275 | Plate, Lower Valve H-89  |
| 000050717 | Bolt & Nut, Stuffing Box |
| 000050865 | Stem, Lower H-79 2'-6"   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

## Material Description

Fire hydrant; valve opening: 4-1/4"; manufacturer: Mueller (a-416/4-1/4). Note: fire hydrant parts for hydrants purchased after 1972.

## Application

Hydrant for use in water systems.



Water, Wastewater, and Reclaimed Water  
Material Standards

H-32.00

7/1/2022

# Hydrant Parts, Mueller A-416, Ext Kit (4.25")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-319 (A-416)



## Material Description

Hydrant extension; material: cast iron; valve opening: 4-1/4". Consists of barrel extension, steel stem coupling, stainless steel clevis pins and cotter pins, solid flange, gasket, bolts and nuts, and a can of hydrant lubricating oil

## Application

Hydrant extension kit for use in water systems.

## GRU Stock Information

### HYD, FIRE, EXT KIT, A-319 4.25" MUELLER

#### Stock Number

#### Stock Description

|           |            |
|-----------|------------|
| 000029521 | 6" X 3'-0" |
| 000148717 | 6" X 0'-6" |
| 000556696 | 6" X 2'-6" |
| 000648434 | 6" X 1'-0" |
| 000738603 | 6" X 2'-0" |
| 000858498 | 6" X 1'-6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards

# Hydrant Parts, Mueller A-416, Safety Kit (4.25")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

A-300-00 (A-416/4-1



## Material Description

Hydrant safety flange repair kit; valve opening: 4-1/4"; consists of notched steel safety stem coupling, stainless steel clevis pins and cotter pins, safety flange, gasket, three bolts and nuts, and a can of hydrant lubricating oil.

## Application

Hydrant safety flange kit for use in water systems.

## GRU Stock Information

HYD, FIRE, FLANGE, SAFETY, A-416 MUE

### Stock Number

000028657

### Stock Description

FL Kit, Safety

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-32.20

7/5/2023

# Hydrant Parts, Mueller A-423

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

Centurion A-423



## Material Description

Hydrant; valve opening: 5-1/4"

## Application

Hydrant for use water systems.

## GRU Stock Information

### HYD, FIRE, PARTS, MUELLER

#### Stock Number

#### Stock Description

|           |                         |
|-----------|-------------------------|
| 000042374 | Anti-Friction Washer    |
| 000042765 | Pumper Nozzle O-Ring    |
| 000042811 | Hose Nozzle             |
| 000042862 | Hose Nozzle Gasket      |
| 000042889 | Lock Washer             |
| 000042919 | Hose Nozzle O-Ring      |
| 000043036 | Safety Flange           |
| 000043087 | Bonnet; Bolt & Nut      |
| 000043117 | Pumper Nozzle Cap       |
| 000043125 | Drain Ring Gasket       |
| 000043222 | Drain Ring Housing      |
| 000043273 | D/R Housing: Bolt & Nut |
| 000474452 | Hold Down Nut           |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-33.00

7/1/2022

# Hydrant Parts, Mueller A-423

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Mueller Company

### Model/Series #

Centurion A-423



## Material Description

Hydrant; valve opening: 5-1/4"

## Application

Hydrant for use water systems.

## GRU Stock Information

### HYD, FIRE, PARTS, MUELLER

#### Stock Number

#### Stock Description

|           |                          |
|-----------|--------------------------|
| 000042412 | Stem O-Ring              |
| 000042463 | Stem (2'-6")             |
| 000042579 | Gasket, Bonnet A-10      |
| 000042587 | Seat Ring                |
| 000042625 | Upper Stem O/L 28-13/16" |
| 000042633 | Bottom Seat Ring O-Ring  |
| 000043168 | Hoze Nozzle Cap          |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C502 - Fire Hydrants

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

H-33.01  
7/1/2022



## Insert, MH Section, Polymer

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

Armorock



### Material Description

Polymer insert for MH that slides into existing MHs and is grouted in place after rebuilding MH bench.

### Application

Manhole rehabilitation.

### GRU Stock Information

#### INSERT, MH SECTION< ARMOROCK

#### Stock Number

#### Stock Description

803774

3 ft tall

803871

4 ft tall

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Limerock

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Limerock, per cubic yard

## Application

For use in pavement repair applications.

## GRU Stock Information

### LIMEROCK

#### Stock Number

000241504

#### Stock Description

Limerock, CY

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Lubricant, Fire Hydrant

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Assure Flow Sales, Inc

### Model/Series #

Hydra-Eze



## Material Description

Fire hydrant lubricant shall be approved for use in domestic water systems. Fire hydrant lubricant shall be non-toxic, mineral oil imparting neither taste nor odor to the conveyed water. Fire hydrant lubricant shall be provided in one (1) gallon containers.

## Application

For use in lubrication Mueller fire hydrant parts as needed.

## GRU Stock Information

### LUBRICANT, HYDRANT GEL

#### Stock Number

000413607

#### Stock Description

Container (gallon)

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF 61 - Potable System Components

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

L-60.00  
7/1/2022

# Lubricant, Pipe Joint

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

or Approved Equal

Seacord Corporation

Ease-On



## Material Description

Pipe joint lubricant shall be approved for use with ductile iron and PVC gasketed pipe. Pipe joint lubricant shall be non-toxic, water soluble, imparting neither taste nor odor to the conveyed water. Pipe joint lubricant shall be suitable for use in hot or cold weather and capable of adhering to wet or dry pipe. Pipe joint lubricant shall be provided in one (1) gallon containers.

## Application

Lubrication for pipe joints in construction of water, wastewater and reclaimed water systems.

## GRU Stock Information

### LUBRICANT JOINT GAL

#### Stock Number

000413356

#### Stock Description

Container (gallon)

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF 61 - Potable System Components

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

L-61.00

7/1/2022

## Lug, Duc (Tie Lug)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

Sigma Corp / Russell Pipe

Trumbull Industries

364-3395



### Material Description

Duc Lugs (AKA Tie lugs) shall be high strength, ductile iron for use in restraining mechanical joint valves, fittings, pipe and hydrants with threaded rod. Tie lugs shall possess a minimum tensile strength of 65,000 psi and a minimum yield strength of 45,000 psi.

### Application

For use in restraining mechanical joint valves, fittings, pipes and hydrants with threaded rods. Intended for use between mechanical joint bells and glands in sizes 4" through 16".

### GRU Stock Information

#### LUG, DUC

#### Stock Number

000107298

#### Stock Description

3/4"

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - Ductile Iron

See Appendix A for full description of standards

# Manhole Ring & Cover, Traffic Duty

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

US Foundry & Mfg Corp

### Model/Series #

170-BJ



## Material Description

Manhole ring and cover shall be heavy duty, gray cast iron. Ring and cover shall be rated for highway traffic loads or 16,000 lb wheel loads and approved for use by the Florida Department of Transportation (FDOT). Total weight of the ring and cover shall be a minimum of 350 lbs. Weight of the cover shall be a minimum of 200 lbs. Nominal ring dimensions shall be 24" diameter by 6" high. Cover shall be minimum 1-1/4" thick. Cover diameter shall be 23-3/4". Casting shall be lettered with "City of Gainesville", "Sanitary Sewer", and Year Cast.

## Application

For use in wastewater systems constructed in public roadways

## GRU Stock Information

### RING&CVR, MH DOT APPROVED GRAY IRON

#### Stock Number

000830755

#### Stock Description

24" x 6" nominal

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A-48 - Material

See Appendix A for full description of standards

# Manhole Ring & Cover, Standard Duty

## Material Item Approved for Use In

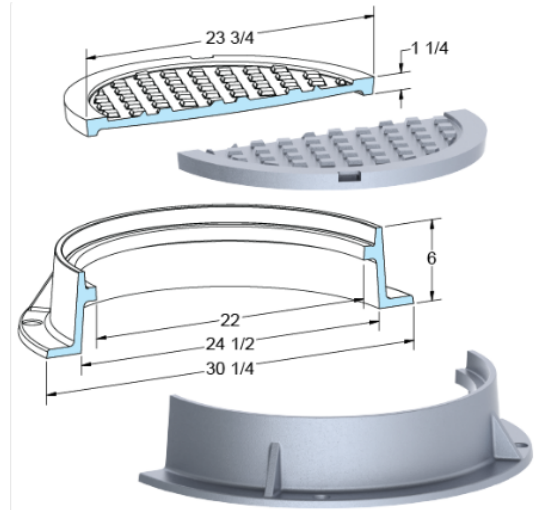
Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| Manufacturer Name     | Model/Series # |
|-----------------------|----------------|
| US Foundry & Mfg Corp | 170-CE         |
| US Foundry & Mfg Corp | 580-CE         |



## GRU Stock Information

### MANHOLE RING & COVER, STD DUTY

#### Stock Number

#### Stock Description

802638

24"x6" nominal

805424

24"x2" nominal SHALLOW

## Material Description

Material: ASTM-A48 Class 30B Gray Iron  
Ring Wt: 150 lbs  
Cover Wt: 145 lbs  
Casting shall be lettered with "CITY OF GAINESVILLE,"  
"SANITARY SEWER" and year cast.

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-10.10  
6/18/2024

# Manhole Ring & Cover, Composite

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Composite Access Products

### Model/Series #

A-1BK24X4-



## GRU Stock Information

### RING&CVR, MH, COMPOSITE

#### Stock Number

803731

#### Stock Description

24 X 4 INCH

## Material Description

Locking Composite Ring and Cover. Casting shall be lettered with "CITY OF GAINESVILLE", "SANITARY SEWER", and year cast.

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



# Manhole, Concrete Grade Rings

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Del Zotto Products

### Model/Series #

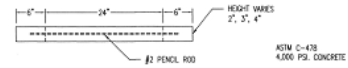
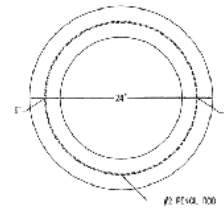
Adjust ring

## Material Description

Adjusting Rings for Manholes

## Application

Adjust manhole height to account for asphalt height changes.



## GRU Stock Information

### MANHOLE, CONCRETE GRADE RINGS

#### Stock Number

#### Stock Description

000799475

2"

000799521

3"

000799572

4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C857 - Structural Design Loading - Concrete

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-11.00  
7/1/2022

# Manhole, Polypropylene Grade Rings, Flat

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Cretex Companies, Inc

### Model/Series #

Pro-ring



## Material Description

Adjusting Rings for Manholes made from Expanded Polypropylene

## Application

Adjust manhole height to account for asphalt height changes.

## GRU Stock Information

### MANHOLE, PRORING, FLAT

#### Stock Number

#### Stock Description

803626

24"x2"

803677

24"x4"

803723

24"x6"

804967

24"x1"

\*For GRU use only: an X indicates item is stockless

## National Standards

AASHTO HS-25: Loading Rating

ASTM D4189 -13: Silt Density Index

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-11.10  
7/25/2023

# Manhole, Sealant, Wrapidseal

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

CCI PIPELINE SYSTEMS, LLC



## Material Description

The WrapidSeal Manhole Encapsulation System consists of an engineered primer and a unique wraparound heat-shrinkable sleeve designed specifically to seal joints and prevent groundwater from entering a collection system.

## Application

Manhole Installation and Rehabilitation.

## GRU Stock Information

### MANHOLE, SEALANT, WRAPIDSEAL

#### Stock Number

#### Stock Description

|           |                              |
|-----------|------------------------------|
| 000802026 | Primer                       |
| 000802247 | 9" Seal Closure              |
| 000803189 | 9"x50' MH Encapsulation Seal |
| 000805262 | 18" Seal Closure             |
| 000805319 | 18"x50' MH Encapsulation     |

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-15.10  
3/29/2024

# Marker, Flex-Tough Composite

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

GlasForms Inc.

### Model/Series #

Flex-Tough



## Material Description

Marker is specially designed with a thicker center for easier installation into hard soil surfaces. Marker is 3.84" wide x length required and made of composite fiberglass. The marker shall be pigmented throughout the entire cross-section. The Flex-Tough markers come pointed with a constant I-Beam design with thicker middle cross section and ready for installation. Decals are optional and can be applied at the plant before shipping.

## Application

Used to mark water, wastewater and reclaimed water pipelines, Installation Tools: GMD400 Post Driver and PHD100 Pilot hole driver for hard soil conditions. Order with appropriate decal

## GRU Stock Information

### MARKER, FLEX-TOUGH COMPOSITE

#### Stock Number

000798258

000798649

000798746

000798797

#### Stock Description

Wastewater - FM decal

Water w/decal

Reclaimed Water w/decal

Wastewater- gravity decal

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D-4476/D-790

ASTM D638/D3916 - Tensile Strength

ASTM D695 - Compressive Strength

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**M-20.00  
7/1/2022**

# Marker Post, Valve

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Cement Precast Products, Inc

### Model/Series #

Valve Marker Post



## Material Description

Concrete post, 2,500 psi at 28 days reinforced with two #3 reinforcing bars. Each post shall be painted blue and lettered "WATER", purple and lettered "RECLAIMED WATER", or green and lettered "SEWER".

## Application

For use in identifying valve locations.

## GRU Stock Information

### MARKER POST, VALVE

#### Stock Number

000116076

000116173

000171751

#### Stock Description

8" x 4" x 4'-0" (RECLAIMED)

8" x 4" x 4'-0" (SEWER)

8" x 4" x 4'-0" (WATER)

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

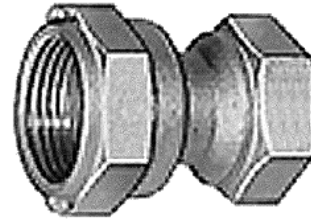
## Meter Coupling (FPT)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

AY McDonald Mfg Company

Ford Meter Box Company, Inc.

Mueller Company

C31-23

### GRU Stock Information

#### COUPLING, METER FEMALE END

#### Stock Number

#### Stock Description

000070807

5/8" x 3/4" or 3/4"

### Material Description

Brass meter coupling (straight) for water meters. Female iron pipe thread.

### Application

For use in commercial and domestic water and reclaimed water systems. To join municipal water supply to residential or commercial utility meter.

\*For GRU use only: an X indicates item is stockless

### National Standards

AWWA C800 - Material

AWWA C800 - Threads

NSF/ANSI 61

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-40.00

4/3/2024

# Meter Coupling (MIPT)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 4620                  |
| Badger Meter Inc             |                       |
| Ford Meter Box Company, Inc. | C38                   |
| Hersey Meters                |                       |
| James Jones Company          | J2652SG               |
| Mueller Company              |                       |
| Sensus Technologies, Inc.    |                       |

## Material Description

Brass meter couplings (straight) for water meters. Male pipe thread.

## Application

For use in commercial and domestic water and reclaimed water systems, to join municipal water supply to residential or commercial utility meter.

## GRU Stock Information

### COUPLING, METER MALE END

| Stock Number | Stock Description |
|--------------|-------------------|
| 000714917    | 5/8" x 3/4"       |
| 000714968    | 1"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C700  
AWWA C800 - Material  
NSF/ANSI 61

See Appendix A for full description of standards

# Meter, Water Acc, Meter Flange x FIP, Brass kit

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 5131-084              |
| Cambridge Brass              | 421-x                 |
| Ford Meter Box Company, Inc. | CF31-xx-NL            |

## Material Description

The no lead meter flange to Female international pipe thread brass meter flange kit consists of 2-Flanges, 2-Gasket, 4-Bolts, and 4-Nuts. Flange is cast brass, gasket is neoprene, and bolts and nuts are zinc plated steel.

## Application

Brass Meter Flange x FIP adapter for connecting Flange end Water Meters (1 1/2" and 2") to international pipe threads.

## GRU Stock Information

### METER, WATER ACC, METER FLANGE X FIP

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000799505 | 1 1/2" |
| 000799556 | 2"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass  
AWWA C800-05

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-60.00  
7/1/2022



# Meter, Water, Parts, Fire Hydrant Meters

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

Varies



## Material Description

Items are identified on Sensus TM-950 Parts List. Fire hose threads shall be 2-1/2" - 7-1/2" National Standard Fire Hose (HH) threads.

## Application

Replacement components (inlet and outlet adapter couplings and gaskets) for Sensus fire hydrant water meters.

## GRU Stock Information

### METER, WATER F.H. HOSE COUPLING

#### Stock Number

000115673

000115703

000216259

000216356

000216402

#### Stock Description

2-1/2" Hose Coupling Gasket

2" x 2-1/2" Hose Coupling -

3" x 2-1/2" Hose Coupling-

3" x 2-1/2" Hose Coupling -

(DROP) 3" Hose Coupling

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C701 - Meter Type

NSF 61 - Potable Water Systems

See Appendix A for full description of standards

# Meter, Water, Parts, Fire Line, Measuring Chamber

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

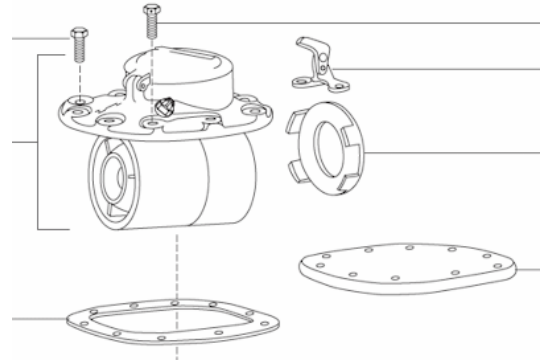
Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Sensus Technologies, Inc.



## Material Description

Replacement measuring chamber for Fire Line Meters (complete chamber) on Page M-74.00. The measuring chamber assembly includes the rotor, a calibration vane which eliminates the need for calibration change gears, and a hermetically sealed, Direct Reading (DR) register.

## Application

Replace chambers for existing fire line meters.

## GRU Stock Information

### METER, WATER, PARTS, FIRELINE, CHAMBER

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000799629 | 2" and 1.5" |
| 000799726 | 4"          |
| 000799777 | 6"          |
| 000799823 | 8"          |
| 000799874 | 10"         |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C701 - Meter Type

NSF 61 - Potable Water Systems

See Appendix A for full description of standards

# Meter, Water, Parts, Compound, Piston Chamber

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

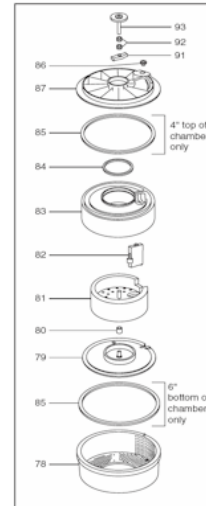
## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

xxxxx-288-39001



## Material Description

The Low Flow Piston Chamber Complete consists of a chamber cage and screen, piston chamber bottom, piston roller, piston, division plate, piston chamber top, chamber O ring, chamber gasket, chamber cage cover w/bushings, connection shaft bushing, piston shaft bushing, piston shaft and magnet, and piston drive dog.

## Application

Replacement parts for the Sensus Compound Meter (SRH) found on page M-71.00.

## GRU Stock Information

### METER, WATER, PARTS, COMPOUND, PISTON

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000799513 | 3" |
| 000799564 | 4" |
| 000799661 | 6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF-61

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-62.00

7/1/2022

# Meter, Water, Parts, Turbine Chamber Complete

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

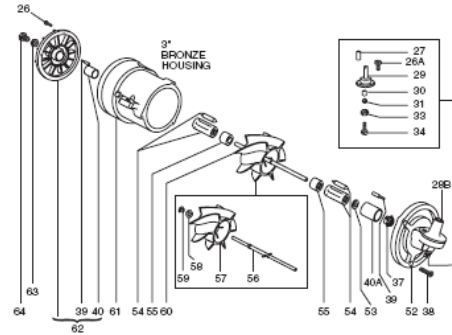
## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

xxxxx-210-39002



## Material Description

The High Flow Turbine Chamber Complete consists of the turbine and chamber housing. The parts include a ball seat, turbine housing, bearing cage w/rollers, propeller magnet, propeller w/shaft, and outlet bearing support assembly.

## Application

Replacements parts for the Sensus Compound Meter (SRH) found on Page M-71.00

## GRU Stock Information

### METER, WATER, PARTS, TURBINE CHAMBER

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000799718 | 3" |
| 000799769 | 4" |
| 000799815 | 6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF-61

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-63.00  
7/1/2022

# Meter, Water, Parts, Gallon Coordinator Chamber

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

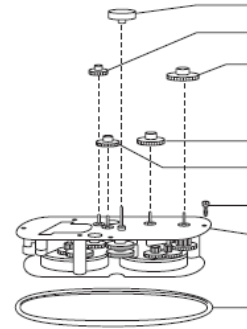
## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

xxxxxx-337-31002



## Material Description

Gallon Coordinator Complete for SRH Compound Meter. The Gallon Coordinator complete consists of the coordinator o-ring, change gear, and holding screws.

## Application

Repair part for the SRH compound meters found on page M-71.00

## GRU Stock Information

### METER, WATER, PARTS, GALLON COORD.

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000799866 | 3" |
| 000799912 | 4" |
| 000799963 | 6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF-61

See Appendix A for full description of standards

# Meter, Water, Parts, Register

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Neptune



## GRU Stock Information

### METER, WATER, PARTS, REGISTER

#### Stock Number

#### Stock Description

804061

5/8"

804118

1"

## Material Description

Water Meter Registers

## Application

Water Meter Registers

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-65.00  
8/3/2023

# Meter, Water, Turbine, OMNI T2

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

OMNI-2XX



## Material Description

Water meter is a class II Turbine furnished w/Class 125 flanges on each end and a test port. The main case is no lead Ductile Iron with automotive grade NSF 61 epoxy coating. The measuring chamber and straighten vanes shall be thermoplastic. Water meters shall be furnished with a "V" shaped stainless steel strainer built into the inlet end with a removable cover plate that allows access from the top. The register shall have hermetically sealed electronic communications and show eight wheels, be programmable, include 31 days of interval data, and have a 20' Itron ERT tail piece connected and sealed at the factory for attachment to an Itron ERT "Pit Set" radio transmitter.

## Application

For use in Potable Cold Water up to 120°F (50°C) and working pressures up to 150 psi. The meter shall perform with accuracy registration of 100% +1 ½% within the AWWA recommended flow ranges. Both pressure loss and accuracy tests are made before shipment. No adjustments need be made before installation.

## GRU Stock Information

### METER, WATER, TURBINE, OMNI T2

#### Stock Number

#### Stock Description

|           |      |
|-----------|------|
| 000798738 | 2"   |
| 000798789 | 1.5" |
| 000799173 | 4"   |
| 000799327 | 6"   |
| 000799378 | 3"   |
| 000801127 | 8"   |
| 000801178 | 10"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanged Ends & Drilling

ANSI/AWWA C701 - Meter Type

NSF 61 - Potable System Components

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**M-70.10**

**7/1/2022**

# Meter, Water, Compound, OMNI C2

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

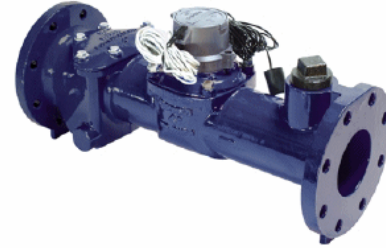
## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

OMNI C2 Itron EC



## Material Description

Water Meter shall meet all flow requirements set forth in AWWA C702 for compound meters and use only one moving part in water. Construction shall be no lead Ductile Iron with NSF 61 approved automotive grade epoxy coating. The maincase will come with a test port and "V" shaped strainer. The registers will read 8 number wheels on demand and will not require the use of pulse or counters. The register shall be hermetically sealed with an electronic communications encoder. The register shall be programmable, provide a pulse output for future use, and provide 31 days of interval data.

## Application

For cold water metering applications. Intended where a moderately wide flow range is anticipated for typical commercial and industrial applications. The register shall be furnished with a 20' Itron ERT tail piece, factory connected and sealed for field application to an Itron ERT "pit set" type of radio transmitter.

## GRU Stock Information

### METER, WATER, COMPOUND, OMNI C2

#### Stock Number

#### Stock Description

|           |      |
|-----------|------|
| 000799181 | 6"   |
| 000799238 | 4"   |
| 000799289 | 3"   |
| 000799335 | 2"   |
| 000799386 | 1.5" |
| 000801321 | 8"   |
| 000801372 | 10"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C701 - Meter Type

ANSI/AWWA C702 class II

NSF 61 - Drinking Water Systems

NSF 61 - Ductile Iron

See Appendix A for full description of standards



# Meter, Reclaim Water, Compound, OMNI C2

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Sensus Technologies, Inc.



## Material Description

Purple Reclaim register. Water Meter shall meet all flow requirements set forth in AWWA C702 for compound meters and use only one moving part in water. Construction shall be no lead Ductile Iron with NSF 61 approved automotive grade epoxy coating. The maincase will come with a test port and "V" shaped strainer. The registers will read 8 number wheels on demand and will not require the use of pulse or counters. The register shall be hermetically sealed with an electronic communications encoder. The register shall be programmable, provide a pulse output for future use, and provide 31 days of interval data.

## Application

For cold water metering applications. Intended where a moderately wide flow range is anticipated for typical commercial and industrial applications. The register shall be furnished with a 20' Itron ERT tail piece, factory connected and sealed for field application to an Itron ERT "pit set" type of radio transmitter.

## GRU Stock Information

### METER, REC WATER, COMPOUND T2

#### Stock Number

804231

#### Stock Description

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C701 - Meter Type

ANSI/AWWA C702 class II

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**M-71.20**

**8/3/2023**

# Meter, Water, Ultrasonic, Mach 10

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Neptune



## Material Description

Water Meter shall meet all flow requirements set forth in AWWA C701 for compound meters and use only one moving part in water. Construction shall be no lead Ductile Iron with NSF 61 approved automotive grade epoxy coating.

## Application

For cold water metering applications. Intended where a moderately wide flow range exists. The register shall be furnished with a 20' Itron ERT tail piece, factory connected and sealed for field application to an Itron ERT "pit set" type of radio transmitter.

## GRU Stock Information

### METER, WATER, ULTRASONIC, M10

#### Stock Number

#### Stock Description

|        |      |
|--------|------|
| 803944 | 1.5" |
| 803995 | 2"   |
| 804045 | 3"   |
| 804096 | 4"   |
| 804142 | 6"   |
| 804347 | 8"   |
| 804398 | 10"  |
| 804444 | 12"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C701 - Meter Type

NSF 61 - Drinking Water Systems

See Appendix A for full description of standards

# Meter, Displacement, iPerl, Irrigation (Purple)

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

Ixx6GLXR



## Material Description

The iPerl system is an integrated unit that incorporates an electronic register and measuring device encased in an external housing. The measuring element shall be made of non-corrosive, lead-free glass fiber reinforced, PPS based resin. A battery powered magnetic flow sensor utilizing silver/silver chloride electrodes will be utilized to measure the velocity of the water which is linearly proportional to the volume. The measuring element has no moving parts. The all electronic programmable register has 9-digit display and is hermetically sealed with a tempered glass cover.

## Application

For use in irrigation systems

## GRU Stock Information

### Stock Number

000801089

000801135

### Stock Description

5/8" x 3/4" PURPLE

1" PURPLE

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C-700

ANSI/AWWA C-710

NSF/ANSI 61

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-72.40

7/1/2022

# Meter, Water, Displacement, Direct Read

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Neptune

### Model/Series #

T-10



## GRU Stock Information

### Stock Number

803618

803669

803715

803766

### Stock Description

5/8"x3/4" (Water)

1" (Water)

1" (Reclaimed)

5/8"x3/4" (Reclaimed)

## Material Description

Cold water meters (displacement type - magnetic drive 5/8" - 1") produced from an ISO 9001 manufacturing facility, conform to the "Standard Specifications for Cold Water Meters" C700. The register shall be of the straight reading sealed magnetic drive type and shall contain six (6) numeral wheels. Registers must be roll sealed and dry.

## Application

Purple lid used for reclaimed meter.

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF/Ansi 372

NSF/ANSI 61

See Appendix A for full description of standards

# Meter, Water, Fire Hydrant

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

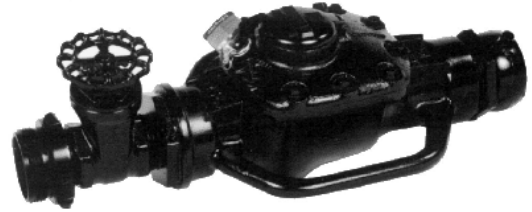
## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

125-W



## Material Description

Water meter shall be turbine type with aluminum housing. The measuring chamber, straightening vanes, rotor, and flow tube shall be thermoplastic. The register shall be magnetic, hermetically sealed, straight reading in US gallons equipped with a test sweep hand. Water meter shall be furnished with standard 2 -1/2" fire hose couplings, female swivel inlet and male fixed outlet, rubber gasket, and a register lid locking hasp. \*\*Must include integrated backflow prevention device.

## Application

For temporary Metering of fire hydrants (E.G. construction water source.)

## GRU Stock Information

### WATER METER, FIRE HYD 3", ALUM

#### Stock Number

000762504

#### Stock Description

3"

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C701 - Meter Type

NSF 61 - Potable System Components

See Appendix A for full description of standards

# Meter, Parts, Inline Connector

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Itron

### Model/Series #

Inline Connector



## Material Description

A certified IP68 connection, Itron's in-line connector uses a lubricated "static" O-ring seal design

## Application

Inline connector for use with Itron meter parts

## GRU Stock Information

### TRANSMITTER, RADIO READ

#### Stock Number

000801968

#### Stock Description

Inline Connector

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-76.40  
5/11/2023

# Meter, Water, Parts, Retrofit Kits

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

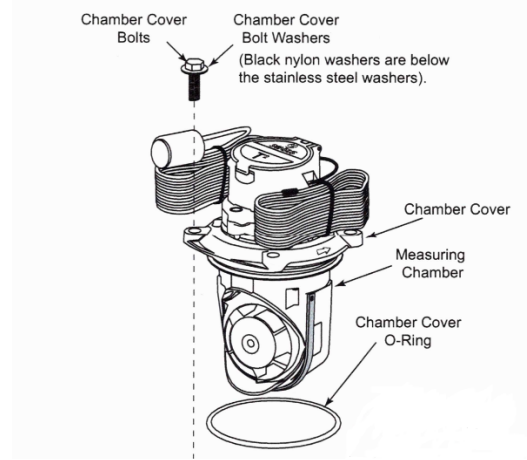
Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Sensus Technologies, Inc.



## Material Description

Replacement parts for Sensus Meters measuring Chamber

## Application

## GRU Stock Information

### METER, RETRO KIT, SENSUS

| Stock Number | Stock Description |
|--------------|-------------------|
| 801577       | 1.5"              |
| 801925       | 2"                |
| 801976       | 3"                |
| 802018       | 4"                |
| 802069       | 6"                |
| 802115       | 8"                |
| 802166       | 10"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Meter, Water, Fireline, OMNI, F2

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

F2



## Material Description

Water meter is a fire service type consisting of class II turbine meter and a ductile iron strainer assembly. The meter maincase consists of standard fusion-bonded epoxy coated iron that adheres to NSF for non-lead regulation compliance. The measuring element is mounted on a horizontal, stationary titanium shaft with sleeve bearing and does not require an automatic valve. Each meter shall have a separate UL listed and FM approved external fire service strainer. The strainer's screen shall have a minimum net open area of at least four times the pipe opening and be a V-shaped Stainless Steel screen. The strainer body shall be coated iron with stainless steel fasteners. 1-1/2" and 2" meters are 10" in length and have no strainers.

## Application

For use in Potable Cold water and working pressures up to 175 psi. Meter is intended where an extremely wide flow range is required and where measurement of both domestic and fire service water usage is desired. The meter has flanges of the Class 125 round type and flat faced.

## GRU Stock Information

### METER, WATER, FIRELINE, OMNI, F2

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000801348 | 6"     |
| 000801399 | 4"     |
| 000801429 | 10"    |
| 000801445 | 8"     |
| 000802077 | 1-1/2" |
| 000802123 | 2"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanges

ANSI/AWWA C703

NSF-61

See Appendix A for full description of standards



# Meter, Water, Mounting Kit

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Sensus Technologies, Inc.

### Model/Series #

508xxxxxxxxxx

## Material Description

Kit, Water Meter Conversion for 1-1/2" Displacement water meters includes all Gaskets, Screen, Rocksyn Chamber & ECP Register with Itron Tail piece. Complete rebuild kit to convert rebuild kit to manual read meters to radio read meters with an Itron Tail Piece. Kit includes items of various materials.

## Application

For use with manual read water meters

## GRU Stock Information

### KIT, WATER MTR CONVERSION

#### Stock Number

00016337

00016345

#### Stock Description

1-1/2"

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C700

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-79.00  
4/11/2023

# Mounting Kit, ITRON

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Itron                    | CFG-0771-001          |
| Itron                    | CFG-1601-001          |



## Material Description

Pit Lid Mounting Kit contains retainer clip, retainer clip collar and two 15" cable ties.

Through Lid Mounting Kit contains Through Lid retainer clip and retainer clip collar.

The 60W is the Itron ChoiceConnect™ endpoint for the water market. Advanced leak, reverse-flow and tamper detection. 20-year battery life.

## Application

Used in installing model 60W Itron water endpoint radio-read transmitters in meter box lids for remote reading.

## GRU Stock Information

### MOUNTING KIT, ITRON

#### Stock Number

000798843

000803839

#### Stock Description

Pit Mounting kit

Through Lid Kit

\*For GRU use only: an X indicates item is stockless

## National Standards

FCC 15.247 - Transmitters

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

M-80.00  
8/11/2023

# Nipple, Brass, Seamless (NPT x NPT)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Lee Brass

Brass Nipple

Merit Brass

Brass Nipple



## Material Description

No lead brass nipple, red brass. Seamless fitting w/NPT x NPT.

## Application

Used with brass, copper, or iron pipe in water systems between valve and tapping saddle.

## GRU Stock Information

### NIPPLE, BRS

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000068705 | 1/2" X 4"       |
| 000068756 | 3/4" X 4"       |
| 000068802 | 1" X 1-1/2"     |
| 000068853 | 1" X 4"         |
| 000073636 | 3/4" X 2-1/2"   |
| 000180181 | 1-1/2" X 6"     |
| 000180238 | 2" X 6"         |
| 000183369 | 3/4" X 1-1/2"   |
| 000712116 | 1-1/2" X 2-1/2" |
| 000712167 | 2" X 2-1/2"     |
| 000802255 | 2" x 12"        |
| 000802301 | 3" x 12"        |
| 000802352 | 3" x 6"         |
| 806064    | 2" x 2" CLOSE   |
| 806161    | 2" x 3"         |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B-687-88 - Seamless Red Brass

NPT B1.20.1 - Pipe Thread

See Appendix A for full description of standards

## Nipple, PVC (MPT x PE)

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

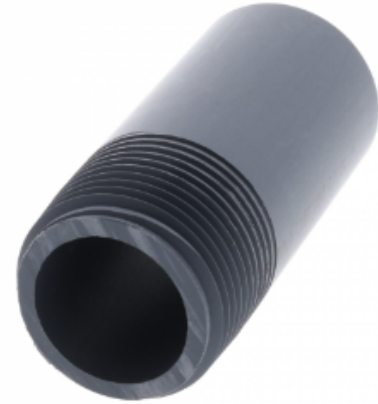
Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Printed in Brown or Dark blue. Sch 80 PVC nipples shall be Threaded One End (MPT x PE).

### Application

### GRU Stock Information

#### NIPPLE, MIP SCH 80 PVC

#### Stock Number

#### Stock Description

803448

3/4"

803499

2"

803545

1-1/2"

803596

1"

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM D1784 - PVC Material

ASTM D2464

ASTM D2467 - SCH 80 PVC

See Appendix A for full description of standards

# Nipple, Stainless Steel

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Merit Brass



## Material Description

Seamless Stainless Steel Nipple, Sch 40, 316L SS

## Application

## GRU Stock Information

**NIPPLE, STAINLESS STEEL 2" x 3"**

### Stock Number

801011

### Stock Description

2" x 3"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A-733

ASTM A312: Seamless/Welded SS Pipes

ASTM SA-312

See Appendix A for full description of standards

# Nut, Gasket and Gripper Assembly

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 4700-3G               |
| Ford Meter Box Company, Inc. | GJN4-x                |
| Mueller Company              | 507835                |



## Material Description

Brass Grip nut and gasket assembly . Brass Gasket Washer for CTS

## Application

Water meter and services

## GRU Stock Information

NUT, CORP/BALL CORP

### Stock Number

802492

### Stock Description

3/4"

1"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Brass

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

N-11.00  
3/15/2024

# Nut, CTS Fast Connect Fitting

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74756-CTS             |
| Ford Meter Box Company, Inc. | NG-FFG-NG-HH4         |
| Mueller Company              | H-15406N              |



## GRU Stock Information

### NUT, BRASS

#### Stock Number

802735

#### Stock Description

1"

## Material Description

CTS Fast Connect Fitting

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

See Appendix A for full description of standards

# Nut, Grip Joint Compression

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 4700-3H               |
| Ford Meter Box Company, Inc. | GJN4-X                |

## Material Description

Grip joint nut for Copper or plastic tubing

## Application

Water and/or reclaimed services

## GRU Stock Information

### NUT, GRIP JOINT COMPRESSION

#### Stock Number

#### Stock Description

000806668

1"

000806714

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Brass

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

N-30.10  
4/8/2024



# Offset, DI, Cement Lined, MJ x MJ

## Material Item Approved for Use In

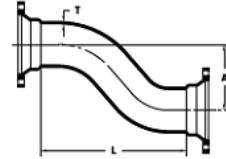
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| Manufacturer Name  | Model/Series #    |
|--------------------|-------------------|
| Sigma Corp         | DMO               |
| Star Pipe Products | Full Body MJ x MJ |
| Tyler Union        | MJ x MJ           |



## GRU Stock Information

### OFFSET

| Stock Number | Stock Description |
|--------------|-------------------|
| 000065609    | 12" X 12"         |
| 000125342    | 6" X 12"          |
| 000135135    | 16" X 18"         |
| 000135186    | 16" X 24"         |
| 000609005    | 8" X 12"          |
| 000743135    | 8" X 18"          |
| 000792691    | 6" X 18"          |
| 000821187    | 12" X 18"         |

## Material Description

Offset DI: Interior: cement lined-standard thickness; bituminous coating: inside & outside; ends: less accessories.

\*For GRU use only: an X indicates item is stockless

## Application

For use in water and reclaimed water systems.

## National Standards

ANSI C104 - Bituminous Coating

ASTM A536 - Ductile Iron

AWWA A21.10 - Testing

AWWA A21.11 - Gaskets, Bolts & Nuts

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

O-10.00  
3/27/2024

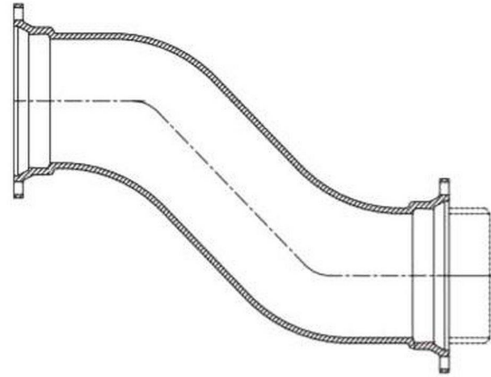
# Offset, DI, Cement Lined, MJ x MJ (3" and 4")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Sigma Corp

Star Pipe Products

Tyler Union

## Material Description

Ductile Iron Offset - interior: cement lined- standard thickness, bituminous coating, inside and outside. Ends: less accessories.

## Application

Water and reclaimed water

## GRU Stock Information

### OFFSET, DI, CL, MJ X MJ

#### Stock Number

#### Stock Description

|           |          |
|-----------|----------|
| 000806919 | 3" x 6"  |
| 000807117 | 3" x 12" |
| 000807168 | 3" x 18" |
| 000807214 | 3" x 24" |
| 000807265 | 4" x 6"  |
| 000807311 | 4" x 12" |
| 000807362 | 4" x 18" |
| 000807419 | 4" x 24" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C153/A21.53 - DI Fittings - Water

AWWA C104 - Cement Lining

AWWA C151/A21.51-96: AMERICAN NATIONAL STANDARD FOR

AWWA C153 - DI Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

O-10.01  
3/29/2024

# Offset, DI, Cement Lined, MJ x PE

## Material Item Approved for Use In

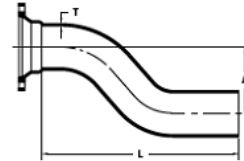
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| Manufacturer Name  | Model/Series #    |
|--------------------|-------------------|
| Sigma Corp         | DMQ               |
| Star Pipe Products | Full Body MJ x PE |
| Tyler Union        | MJ x PE           |



## GRU Stock Information

### OFFSET

| Stock Number | Stock Description |
|--------------|-------------------|
| 000006807    | 6" X 12" MJ x PE  |
| 000180033    | 12" X 12" MJ x PE |
| 000222887    | 6" X 18" MJ x PE  |
| 000252786    | 8" X 12" MJ x PE  |
| 000431931    | 12" X 18" MJ x PE |
| 000801224    | 8" X 18" MJ x PE  |
| 805785       | 3" X 6" MJ x PE   |
| 805831       | 3" X 12" MJ x PE  |
| 805882       | 3" X 18" MJ x PE  |
| 805939       | 3" X 24" MJ x PE  |
| 806137       | 4" X 6" MJ x PE   |
| 806188       | 4" X 12" MJ x PE  |
| 806234       | 4" X 18" MJ x PE  |
| 806285       | 4" X 24" MJ x PE  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C104 - Bituminous Coating

ASTM A536 - Ductile Iron

AWWA A21.10 - Testing

AWWA A21.11 - Gaskets, Bolts & Nuts

See Appendix A for full description of standards

## Material Description

Ductile iron MJ x PE offset, cement-lined (standard thickness) with interior & exterior bituminous coating.

## Application

Mechanical joint offset connections to plain end pipe transition to/from mechanical joint connection.



Water, Wastewater, and Reclaimed Water  
Material Standards

O-10.10  
3/28/2024

# Paint, Hydrant

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

### PAINT, FIRE HYD SPREAD

#### Stock Number

000398586

#### Stock Description

1-gallon

## Material Description

Fire hydrant paint; composition: pigmented copolymer alkyd resin; color: hydrant enamel yellow; weight: 64.0%, volume: 39.4%; sq. Ft./gal./dry mil: 632; film thickness: dry: 1.5 mils, wet: 3.8 mils; spread rate: 423 sq. Ft./gal.

## Application

Paint for fire hydrants.

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Pipe, HDPE, Pressure Pipe

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Performance Pipe

## GRU Stock Information

PIPE, HDPE, SDR 11

Stock Number

Stock Description

800864

2"

## Material Description

SDR 11 Plastic Pressure pipe

## Application

Used in ARV assembly

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D3035: Polyethylene Plastic Pipe

ASTM F714 - Pipe Thickness

See Appendix A for full description of standards

# Pipe, DI, Push-On, Cement Lined (3"-18")

## Material Item Approved for Use In

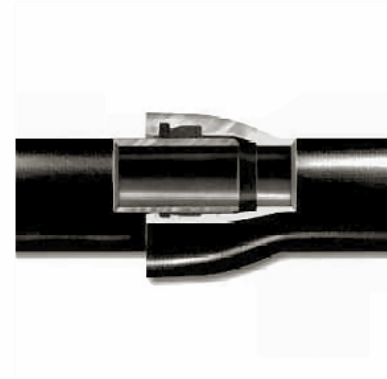
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>   | <u>Model/Series #</u> |
|----------------------------|-----------------------|
| American Cast Iron Pipe Co | Fastite Jnt Pipe      |
| Griffin Pipe Products Co   | Fastite Jnt Pipe      |
| US Pipe & Foundry Co       | TYTON                 |



## Material Description

Pipe shall be ductile iron w/a push-on type joint. Pipe shall be coated on interior with cement lining and exterior with a 1-mil asphaltic seal coating. Pipe shall be pressure rated to pressure class: 350 PSI for 3"-12" dia, 250 psi for 14"-18". Provide 20 foot nominal length and 10% shall be gaged full (blue stripe on water, and purple stripe on reclaimed water pipes). Ductile iron pipe is mixture of fully gaged pipe and non-gaged pipe. Contractor shall utilize fully-gaged pipe where field cuts must be made for fittings, etc. and non-gaged pipe when regular (no fittings) push-on joint pipe is being installed.

## Application

For water and reclaimed water pipe applications. Pipe 12" in diameter and smaller shall be fully-gaged. Provide one (1) quart of lubricant with every seven (7) lengths of pipe.

## GRU Stock Information

### PIPE, DI, CEM LINED

| Stock Number | Stock Description |
|--------------|-------------------|
| 000051586    | 8" - PC 350       |
| 000132802    | 6" - PC 350       |
| 000201952    | 18" - PC 250      |
| 000222453    | 12" - PC 350      |
| 000258903    | 16" - PC 250      |
| 000673005    | 4" - PC 350       |
| 000806315    | 3" - PC 350       |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C104 - Cement Lining/Seal  
AWWA C111 - Gaskets  
AWWA C150 - Ductile Iron  
AWWA C151 - Pipe Production

See Appendix A for full description of standards

# Pipe, DI, Push-On, Cement Lined (20"-36")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>   | <u>Model/Series #</u> |
|----------------------------|-----------------------|
| American Cast Iron Pipe Co | Fastite Jnt Pipe      |
| Griffin Pipe Products Co   | Fastite Jnt Pipe      |
| US Pipe & Foundry Co       | TYTON                 |



## Material Description

Pipe shall be ductile iron w/a push-on type joint. Pipe shall be coated on interior w/cement lining and exterior with a 1-mil asphaltic seal coating. Pipe shall be pressure rated to pressure class: 250 psi for 20" dia, 200 psi for 24" dia, 150 psi for 30"-36" dia. Provide 20 foot nominal length and 10% shall be gaged full (blue stripe on water, and purple stripe on reclaimed water pipes). Ductile iron pipe is mixture of fully gaged pipe and non-gaged pipe. Contractor shall utilize fully-gaged pipe where field cuts must be made for fittings, etc. and non-gaged pipe when regular (no fittings) push-on joint pipe is being installed.

## Application

For water and reclaimed water pipe applications. Provide one (1) quart of lubricant with every seven (7) lengths of pipe.

## GRU Stock Information

### PIPE, DI, CEM LINED

#### Stock Number

#### Stock Description

|           |                       |
|-----------|-----------------------|
| 000016394 | 36" - CL 150 Rest Jnt |
| 000140856 | 20" - PC 250          |
| 000202258 | 24" - PC 200          |
| 000202703 | 30" - PC 150          |
| 000202851 | 36" - PC 150          |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C104 - Cement Lining/Seal  
AWWA C111 - Gaskets  
AWWA C150 - Ductile Iron  
AWWA C151 - Pipe Production

See Appendix A for full description of standards

# Pipe, Flex-Ring, DI Cement Lined

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>   | <u>Model/Series #</u> |
|----------------------------|-----------------------|
| American Cast Iron Pipe Co | Flex-Ring             |
| US Pipe & Foundry Co       | TR FLEX               |

## GRU Stock Information

### PIPE, FLEX RING, DI CEM LINED

| Stock Number | Stock Description |
|--------------|-------------------|
| 000799467    | 8"                |
| 000800783    | 12"               |
| 000801291    | 6"                |
| 000802174    | 4"                |

## Material Description

Flex Ring restrained joint ductile iron pipe is designed for working pressures up to 350 psi. A beveled ductile iron, welded on retainer ring and a ductile iron split flex-ring, assembled behind the retainer ring, provide the means of restraint. After the plain end of the pipe is assembled into the flex-ring bell, the split flex-ring is inserted and springs into the socket locking groove. The flex-ring is securely positioned behind the welded-on retainer ring and in the socket locking groove on the inside of the pipe bell. This provides the flexible restraint. Sold in 20 ft nominal lengths.

\*For GRU use only: an X indicates item is stockless

## Application

Used in trenchless applications or other applications where a boltless restrained connection is desired.

## National Standards

ANSI C104/AWWA A21.4 Cement  
ANSI/AWWA C111/A21.11  
ANSI/AWWA C111/A21.11 - Gasket  
ANSI/AWWA C151A21.51

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-21.20  
4/3/2024



# Pipe, DI, Push-On, Epoxy Lined

## Material Item Approved for Use In

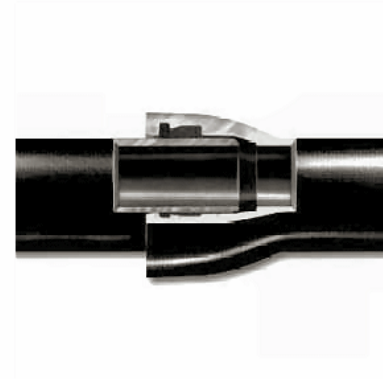
Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>   | <u>Model/Series #</u> |
|----------------------------|-----------------------|
| American Cast Iron Pipe Co | Fastite Jnt Pipe      |
| Griffin Pipe Products Co   | Fastite Jnt Pipe      |
| US Pipe & Foundry Co       | TYTON                 |



## Material Description

Pipe shall be ductile iron w/a push-on type joint. Pipe shall be lined with a min of 40 mils/DFT (dry film thickness) of Protecto 401. Pipe shall be coated on exterior with a 1 mil asphaltic seal coating. Pipe shall be pressure rated to pressure class: 350 psi for 4"-12" dia, 250 psi for 16"-20" dia, 200 psi for 24" dia, 150 psi for 30"-36" dia. Pipe shall have min nominal lengths of 20 feet and be gaged full. (Green stripe for wastewater pipes) DI pipe is mixture of fully gaged pipe and non-gaged pipe. Contractor shall utilize fully gaged pipe where field cuts must be made for fittings, etc. and non-gaged pipe when regular (no fittings) push-on joint pipe is being installed.

## Application

For wastewater pipe applications. Provide one (1) quart of lubricant with every seven (7) lengths of pipe.

## GRU Stock Information

### PIPE, DI, EPOXY LINED

| Stock Number | Stock Description |
|--------------|-------------------|
| 000037494    | 4" - CL 350       |
| 000037508    | 6" - CL 350       |
| 000037559    | 8" - CL 350       |
| 000037591    | 12" - CL 350      |
| 000037605    | 10" - CL 350      |
| 000037650    | 14" - CL 250      |
| 000037656    | 16" - CL 250      |
| 000037702    | 20" - CL 250      |
| 000037745    | 24" - CL 200      |
| 000037753    | 30" - CL 150      |
| 000037796    | 36" - CL 150      |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C111 - Gaskets  
AWWA C116 - Epoxy Lined  
AWWA C150 - Ductile Iron  
AWWA C151 - Pipe Production

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-22.00  
4/8/2024

# Pipe, DI, Fabricated Flange, FLGx FLG

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

US Pipe & Foundry Co



## Material Description

Flanged Ductile Iron Pipe

## Application

## GRU Stock Information

### PIPE, DI, FAB FLG, FLG X FLG

#### Stock Number

#### Stock Description

804924

3X2'3-1/4"

804975

4'X31-1/2"

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Pipe, Galvanized Steel, Schedule 40

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Pipe shall be standard, Schedule 40, galvanized steel pipe. Pipe shall be manufactured in 21-foot lengths, threaded both ends (NMPT). Pipe shall be manufactured within the USA, imported pipe will not be accepted.

## Application

Water & reclaimed water piping systems.

## GRU Stock Information

### PIPE, GAL ST

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000260703 | 2"     |
| 000381705 | 3"     |
| 000465755 | 4"     |
| 000521353 | 3/4"   |
| 000616753 | 1"     |
| 000700002 | 1-1/2" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B1.20.1 - Threads

ASTM A135 - Electrical Resistance

See Appendix A for full description of standards

# Pipe, High Density Polyethylene

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

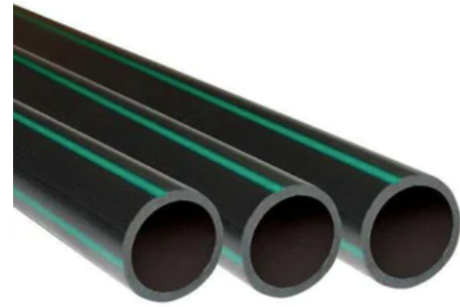
Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Pipe, High Density Polyethylene – SDR 11 (160 psi) and SDR 13.5 (130 psi), manufactured from PE 3408 high density polyethylene resin or better. HDPE resin shall be listed in the name of the pipe manufacturer with the plastic pipe institute (ppi) tr-4. The resin shall meet a cell classification 345464C for black or 345364E for colored stripes. Maximum allowable hoop stress is 800 psi at 73.4 degrees F. Pipe wall thickness shall reflect the required SDR and diameter. Protection shall be provided against ultraviolet light degradation using carbon black, not less than 2 percent well dispersed in the resin. Pipe shall be IPS or DIPS as specified on the plans.

## Application

Sanitary Sewer pipe shall be ID'd by coextruding multiple equally spaced green stripes into the outside of the pipe. No recycled compounds allowed except those generated in the manufacturer's own plant from resin of the same specification from the same raw material. Each production lot of pipe shall be tested and certified for melt index, % carbon, dimensions, and quick burst or ring tensile strength.

## GRU Stock Information

### PIPE, HIGH DENSITY POLY

#### Stock Number

#### Stock Description

|           |                     |
|-----------|---------------------|
| 000014779 | 36" - SDR 11        |
| 000014787 | 36" - SDR 13.5      |
| 000014795 | 36" - SDR 11, IPS   |
| 000014803 | 36" - SDR 13.5      |
| 000014811 | 18" - SDR 11, IPS   |
| 000014829 | 18" - SDR 13.5      |
| 000014837 | 18" - SDR 11, IPS   |
| 000014845 | 18" - SDR 13.5, IPS |
| 805084    | 16"-DR 11, DIPS     |
| 806226    | 12" - DR 11, DIPS   |
| 806277    | 8" - DR 11, DIPS    |
| 806323    | 6" -DR 11, DIPS     |
| 806374    | 4" - DR 11, DIPS    |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2513- Polyethylene (PE) Gas Pressure Pipe, Tubing, and  
.....  
ASTM D3350 - HDPE Resin  
ASTM F714 - Pipe Thickness

See Appendix A for full description of standards

## Pipe, High Density Polyethylene (CONT)

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

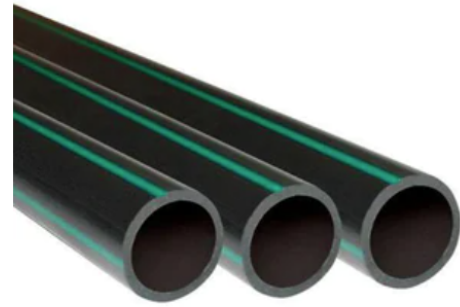
Reclaimed Water System: ☐

### Approved Manufacturers

Manufacturer Name

Model/Series #

Endot



### Material Description

Pipe, High Density Polyethylene – SDR 11 (160 psi) and SDR 13.5 (130 psi), manufactured from PE 3408 high density polyethylene resin or better. HDPE resin shall be listed in the name of the pipe manufacturer with the plastic pipe institute (ppi) tr-4. The resin shall meet a cell classification 345464C for black or 345364E for colored stripes. Maximum allowable hoop stress is 800 psi at 73.4 degrees F. Pipe wall thickness shall reflect the required SDR and diameter. Protection shall be provided against ultraviolet light degradation using carbon black, not less than 2 percent well dispersed in the resin. Pipe shall be IPS or DIPS as specified on the plans.

### Application

Sanitary Sewer pipe shall be ID'd by coextruding multiple equally spaced green stripes into the outside of the pipe. No recycled compounds allowed except those generated in the manufacturer's own plant from resin of the same specification from the same raw material. Each production lot of pipe shall be tested and certified for melt index, % carbon, dimensions, and quick burst or ring tensile strength.

### GRU Stock Information

#### PIPE, HIGH DENSITY POLY

#### Stock Number

#### Stock Description

000801712

2" - SDR 11, IPS

000801763

1-1/4" - SDR 11, IPS

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards

# Pipe, PVC, DR-18 (Water), Push-On Joint

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Pipe shall be polyvinyl chloride (PVC) pipe, blue C900. Pipe shall be blue and pressure rated as Pressure Class 150 (DR-18). Pipe shall be provided with integral bell and spigot gasketed joints. The outside diameter of pipe shall be ductile iron pipe size.

## Application

Water mains and/or distribution pipelines of potable water. Each pipe shall be in lengths of 20 foot and provided with gasket installed. Provide one (1) quart of lubricant with every seven (7) lengths of pipe.

## GRU Stock Information

### PIPE, PVC DR-18 WATER

#### Stock Number

#### Stock Description

000610801

6"

000644706

8"

000801844

4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - PVC

ASTM D3139 - Joints

ASTM F477 - Gaskets

AWWA C900 - Pressure Class

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**P-25.00**

**4/3/2024**

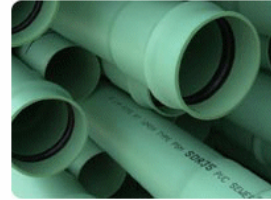
# Pipe, PVC, DR-18 (Sewer), Push-On Joint

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Pipe shall be polyvinyl chloride (PVC) pipe, green C900. Pipe shall be green and pressure rated as Pressure Class 150 (DR-18). Pipe shall be provided with integral bell and spigot gasketed joints. The outside diameter of pipe shall be ductile iron pipe size.

## Application

For use in all force mains and gravity sewer systems 20' to 25' in depth. Each pipe shall be in lengths of 20 foot and provided with gasket installed. Provide one (1) quart of lubricant with every seven (7) lengths of pipe.

## GRU Stock Information

### PIPE, PVC DR-18, SEWER

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000016451 | 24" |
| 000800333 | 16" |
| 000801585 | 6"  |
| 000801631 | 8"  |
| 000801933 | 10" |
| 000801984 | 20" |
| 000802085 | 12" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - PVC

ASTM D3139 - Joints

ASTM F477 - Gaskets

AWWA C905 - Pressure Class

See Appendix A for full description of standards

# Pipe, PVC, DR-18 (Reclaimed Water), Push-On Joint

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Pipe shall be polyvinyl chloride (PVC), Purple C900. Pipe shall be pantone 522C and pressure rated as Pressure Class 150 (DR-18). Pipe shall be provided with integral bell and spigot gasketed joints. The outside diameter of pipe shall be ductile iron pipe size. Each pipe shall be manufactured in lengths of 20 foot and provided with gasket installed.

## Application

Reclaimed water distribution systems. Provide one (1) quart of lubricant with every seven (7) lengths of pipe. Pipe shall bear markings "Reclaimed Water - Non Potable".

## GRU Stock Information

### PIPE, PVC RECLAIMED

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000109738 | 4"  |
| 000109789 | 6"  |
| 000109835 | 8"  |
| 000802743 | 16" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - PVC

ASTM D3139 - Joints

ASTM F477 - Gaskets

AWWA C900 - Pressure Class

See Appendix A for full description of standards



# Pipe, PVC, DR 18, Certa-Lok

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

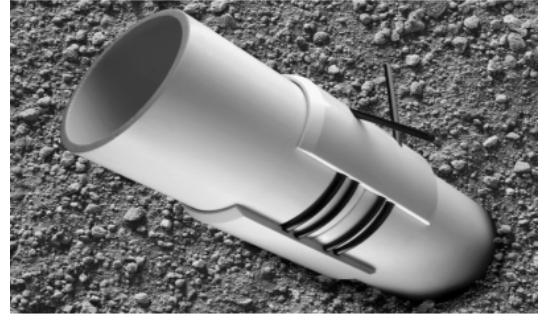
## Approved Manufacturers

### Manufacturer Name

CertainTeed Corporation  
or Approved Equal

### Model/Series #

Certa-LokC900/RJ



## Material Description

Pipe shall conform to AWWA C900. The restrained joint pipe system shall meet pressure test requirements of AWWA C900. Pipe, couplings, and locking splines shall be non-metallic. Pipe is intended for use in pressure-rate water supply and distribution systems. Pipe shall be furnished in standard lengths of 20 feet. Pressure rated to 150 psi.

## Application

PVC - DR 18 - pipe with Cast-Iron pipe (CI) outside diameter. Pipe is intended for use in trenchless sewer or water applications. Specify blue pipe for potable and green pipe for force main.

## GRU Stock Information

### PIPE, PVC, DR 18, CERTA-LOK JOINT

#### Stock Number

000799033

000799084

#### Stock Description

12"

8"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - Cell Classification

ASTM D1784 - PVC

ASTM D2837

ASTM D3034

See Appendix A for full description of standards

# Pipe, DR 18 PVC, Diamond Lok, Blue

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

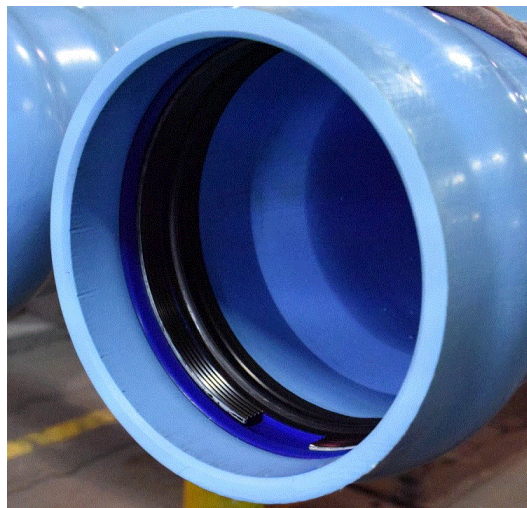
## Approved Manufacturers

### Manufacturer Name

Diamond Plastics Corp.

### Model/Series #

Lok-21



## Material Description

Restrained joint PVC pressure pipe shall be manufactured in accordance with AWWA C900 to a DR18 with a pressure rating of 235 psi. Meets a 12454 cell classification with a hydrostatic design basis of 4000 psi. Uses a Rieber gasket per ATM F477 to seal the bell socket to the spigot of the next joint.

## Application

For use in potable water boring applications.

## GRU Stock Information

### PIPE, DR18, PVC, DIAMOND LOK, BLUE

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000801941 | 12" |
| 000801992 | 8"  |
| 000802042 | 6"  |
| 000802093 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - Cell Classification

ASTM D2122

ASTM D2152

ASTM D2412 - Flattening

See Appendix A for full description of standards

# Pipe, DR 18 PVC, Diamond Lok, Green

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Diamond Plastics Corp.

### Model/Series #

Lok-21



## Material Description

Restrained joint PVC pressure pipe shall be manufactured in accordance with AWWA C900 to a DR18 with a pressure rating of 235 psi. Meets a 12454 cell classification with a hydrostatic design basis of 4000 psi. Uses a Rieber gasket per ATM F477 to seal the bell socket to the spigot of the next joint.

## Application

For use in Wastewater boring applications

## GRU Stock Information

### PIPE, DR 18, DIAMOND LOK, GREEN

#### Stock Number

000801631

000801887

000802034

#### Stock Description

8"

10"

12"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2122

ASTM D2152

ASTM D2412 - Flattening

ASTM D3139 - Gasket Joints

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-25.50

7/1/2022

# Pipe, Fusible PVC, DR-18

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Underground Solutions

### Model/Series #

DR-18



## Material Description

Fusible PVC pipe shall conform to AWWA C900/C905 standard and cell classification 12454. It shall be extruded with plain ends with the ends square to the pipe and free of any bevel or chamfer. There is no bell or gasket of any kind incorporated into the pipe. Fusible PVC shall be manufactured in 40' nominal lengths. The pipe lengths shall be assembled in the field with butt-fused joints.

## Application

For use in force mains on directional bores.

## GRU Stock Information

### PIPE, FUSIBLE PVC, DR-18

#### Stock Number

000799599

000801836

#### Stock Description

10"

12"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D638/D3916 - Tensile Strength

ASTM F477 - Gaskets

AWWA C900 - Pressure Class

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-26.10  
7/1/2022

# Pipe, PVC, SCH 40, Solvent Weld

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Charlotte Pipe & Foundry Co

Sch 40 Slvnt Weld

Open Market

## Material Description

Pipe shall be solvent-weld, sch 40, polyvinyl chloride (PVC). Pipe shall be manufactured from Type 1, Grade 1 PVC. Pipe shall be white (potable) or purple (reclaimed), provided in 20-foot lengths with an internal bell on one end and plain end on the other, and marked for ASTM standard, pressure rating, and potable water use.

## Application

Pressurized potable & reclaimed water systems.

## GRU Stock Information

### PIPE, PVC SCH 40

#### Stock Number

#### Stock Description

|           |               |
|-----------|---------------|
| 000009059 | 1-1/2"        |
| 000009202 | 2"            |
| 000229903 | 3/4" (No RCW) |
| 000229954 | 1"            |
| 000798924 | 3"            |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM 2564 - Solvent Cements

ASTM D1784 - PVC Compound

ASTM D1785 - IPS Conformity

NSF 61 - Drinking Water Systems

See Appendix A for full description of standards

## Pipe, PVC, SCH 80

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### GRU Stock Information

#### PIPE, PVC, SCH 80, SOLVENT WELD

##### Stock Number

##### Stock Description

000800015

2"

000800066

3"

000800511

4"

### Material Description

SCH 80 PVC Pipe shall be domestically produced rigid polyvinyl chloride (PVC) compound, Type 1 Grade 1, with a Cell Classification of 12454 as defined in ASTM D1784. The Pipe shall be solvent weld. with a minimum pressure rating of 210 psi. Gray in color.

### Application

Sold in 5' intervals.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A-733

ASTM D1784 - PVC

ASTM D1785 - PVC SCH 40, 80, 120

NSF/ANSI 14 & 61

See Appendix A for full description of standards

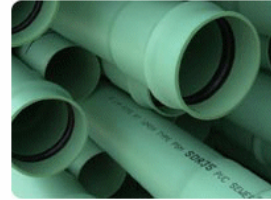
# Pipe, PVC, SDR-26, Push-On Joint

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Polyvinyl chloride pipe (PVC), SDR-26. Pipe shall be green and produced with wall thickness corresponding to dimension ratio SDR-26. Pipe shall be provided with integral bell and spigot gasketed joints. Provide one (1) quart of lubricant with every seven (7) lengths of pipe provided.

## Application

Pipes shall be 13 ft in nominal length. Pipe shall be used in wastewater gravity flow applications.

## GRU Stock Information

### PIPE, SDR-26, PUSH-ON JOINT

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000799149 | 12" |
| 000799246 | 10" |
| 000799297 | 8"  |
| 000799343 | 6"  |
| 000799394 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - Cell Classification

ASTM D3034 - PVC Sewer Pipe

ASTM F477 - Gaskets

ASTM F679 - PVC Sewer Pipe

See Appendix A for full description of standards



# Pipe, Steel Casing

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Steel Pipe to be used for Casing shall conform to ASTM 139 Steel Pipe Casing specifications for Grade B (DOT Specifications). Standard end treatment is 30 degree bevel.

## Application

Pipe in pipe casing

## GRU Stock Information

### PIPE, ST CASING

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000132047 | 22" |
| 000336807 | 12" |
| 000336858 | 16" |
| 000336904 | 20" |
| 000800759 | 36" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM 139

ASTM A252 - Steel Pipe Casing

See Appendix A for full description of standards



# Plug, Brass, Square Head, Threaded (CC)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Merit Brass

117

Open Market

## Material Description

Plug shall be brass, solid square head, male threaded per AWWA (CC) .

## Application

For use in water and reclaimed water systems.

## GRU Stock Information

### PLUG, BRS CC THREAD

#### Stock Number

#### Stock Description

000135232

3/4"

000135437

1"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-30.00  
7/1/2022

# Plug, Brass, Square Head, Solid, Threaded (MNPT)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Plug shall be brass, solid square head, male threaded per National Pipe Thread (MNPT).

## Application

For plugging line ends in water and reclaimed water systems.

## GRU Stock Information

### PLUG, BRS

#### Stock Number

#### Stock Description

000499404

1/2"

000499455

3/4"

000499552

1"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

See Appendix A for full description of standards

# Plug, Brass, Square Head, Cored, Threaded (MNPT)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

### PLUG, BRASS, SQ HEAD, CORED PLUG

#### Stock Number

#### Stock Description

803006

3/4"

803057

1"

803103

1-1/2"

803154

2"

## Material Description

Brass plug, with square head, cored plug, wit MNPT ends. 2" is imported and the 1-1/2" and smaller are domestic

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

## Plug, Brass, CTS, Female

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

AY McDonald Mfg Company

#### Model/Series #

5130-168



### Material Description

Female Flared x CTS Brass Compression Connector

### Application

Plugging/Capping of CTS/PE water services.

### GRU Stock Information

#### ADAPTER, PLUG, BRASS, CTS COMPRESSION

#### Stock Number

804908

#### Stock Description

1"

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Brass

NSF 61 - Water Systems

See Appendix A for full description of standards

# Plug, Cleanout, SDR-26, Threaded, Recessed (MPT)

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Plastic Trends, Inc

### Model/Series #

Countersunk MIPT



## Material Description

Cleanout plug shall be SDR-26, polyvinyl chloride (PVC). Plug shall be male threaded (MNPT) with recessed operator.

## Application

Use with PVC cleanout adaptors. Cleanout plugs with recessed operators shall be used when cleanout is located in driveway, roadway, parking lots, or other paved area.

## GRU Stock Information

### PLUG, INVERTED PVC SDR-26 MPT

#### Stock Number

000098701

000098744

#### Stock Description

4"

6"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D3034 - Solvent Weld Fittings

See Appendix A for full description of standards

## Plug, DI, MJ

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

Open Market

Sigma Corp / Russell Pipe

DMP, XMP



### Material Description

Fitting shall be ductile iron mechanical joint style pressure rated to 350 psi. Fitting shall have asphaltic seal coat (1-mil, interior and exterior).

### Application

Plug application for MJ ductile iron pipe and valves.

### GRU Stock Information

#### PLUG DI, MJ

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000550086 | 4"  |
| 000670308 | 6"  |
| 000670405 | 8"  |
| 000670502 | 12" |
| 000801852 | 24" |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM A536 - Ductile Iron  
AWWA C110 - Full Body Fittings  
AWWA C153 - Compact Fittings  
NSF 61 - Water Systems

See Appendix A for full description of standards

# Plug, DI, MJ, Tapped

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

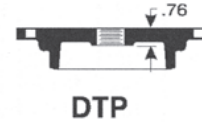
### Manufacturer Name

### Model/Series #

Open Market

Sigma Corp / Russell Pipe

DTP, XTP



## Material Description

Plug shall be ductile iron mechanical joint style pressure rated to 350 psi. Plug shall have asphaltic seal coat (1-mil, interior and exterior). Plug shall be tapped and female threaded (NFPT).

## Application

Plug application for MJ ductile iron and pipe systems requiring a tap.

## GRU Stock Information

### PLUG, TAPPED MJ

#### Stock Number

#### Stock Description

|           |                   |
|-----------|-------------------|
| 000179922 | 6" x 4" TAP       |
| 000311103 | 6" x 3" TAP       |
| 000311138 | 4" x 3" TAP       |
| 000311146 | 6" x 2" TAP       |
| 000311308 | 8" x 3" TAP       |
| 000311502 | 12" x 3" TAP      |
| 000398756 | 12" x 4" TAP      |
| 000799734 | 4" X 2" TAP (IPT) |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron  
AWWA C110 - Full Body Fittings  
AWWA C153 - Compact Fittings  
NSF 61 - Water Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-32.10  
7/1/2022

# Plug, DI, Push-On, SJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Open Market

Sigma Corp / Russell Pipe

DPP



## Material Description

Fitting shall be slip joint ductile iron push-on style, pressure rated to 350 psi. Fitting shall have asphaltic seal coat (1-mil, interior and exterior).

## Application

Plug application for push-on ductile iron pipe and fitting systems. Insert in bell or manhole boot.

## GRU Stock Information

### PLUG DI, SJ

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000130052 | 12" |
| 000514195 | 6"  |
| 000540773 | 8"  |
| 000688223 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

AWWA C110 - Full Body Fittings

NSF 61 - Water Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-32.20  
7/1/2022



# Plug, DI, SJ, Tapped

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



DTP

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Plug shall be ductile iron slip joint style pressure rated to 350 psi.  
Plug shall have asphaltic seal coat (1-mil, interior and exterior).  
Plug shall be tapped and female threaded (NFPT).

## Application

Plug application for slip joint ductile iron and pipe systems requiring a tap.

## GRU Stock Information

### PLUG, TAPPED SJ

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000029068 | 16" x 2" TAP SJ |
| 000311154 | 6" x 3" TAP SJ  |
| 000311359 | 8" x 3" TAP SJ  |
| 000311553 | 12" x 3" TAP SJ |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

AWWA C110 - Full Body Fittings

AWWA C153 - Compact Fittings

NSF 61 - Water Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-32.30  
7/1/2022

# Plug, Galvanized, Square Head, Threaded (MNPT)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Mueller Company

511

Open Market

## Material Description

Plug shall be standard, galvanized steel, solid square head type, male threaded per National Pipe Thread (NMPT).

## Application

Threaded galvanized plug for threaded iron on steel pipe and fittings.

## GRU Stock Information

### PLUG, GAL

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000709247 | 3/4"   |
| 000709298 | 1"     |
| 000709344 | 1-1/2" |
| 000709395 | 2"     |
| 000709441 | 3"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized

See Appendix A for full description of standards

# Plug, SDR-35, Push-On (Gasketed)

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Harco / Harrington Corp

244

Open Market

## Material Description

Plug shall be push-on, SDR-35, polyvinyl chloride (PVC). Plug shall be compatible with gasketed joint, SDR-35, PVC pipe.

## Application

Permanent push-on plug for wastewater collection systems.

## GRU Stock Information

### PLUG, PVC SDR-35 GASKETED

#### Stock Number

#### Stock Description

000205109

4"

000210609

6"

000211206

8"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D3034 - Fittings

ASTM F477 - Gaskets

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-35.00  
7/1/2022

# Primer, PVC

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Oatey

30756



## Material Description

Purple-tinted, aggressive primer for use on PVC pipe and fittings.

## Application

For use in domestic water and wastewater systems.

## GRU Stock Information

### PRIMER, PVC

#### Stock Number

000404659

#### Stock Description

1 Gallon

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM F-656 - PVC Primer

NSF 61 - Potable Water Systems

See Appendix A for full description of standards

# Probe, Level

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

ITT Flygt

14-410\*

Motor Protection Electronics

XX-YY-50



## Material Description

The level probe may be ordered with one, three, or ten electrodes with various spacing in between. The Level Probe is typically connected to a pump controller (or conductance relay) that is designed to monitor a conductance probe and perform level measurement. The level is detected when the liquid level is high enough to touch one or more of the stainless steel electrodes on the Level Probe. The controller (or conductance relay) sends out a level sense signal to each electrode on the Level Probe. The signal typically consists of a  $\pm 12V$  square wave, capable of supplying no more than 1.5mA.

## Application

The level probe provides a rugged, safe, reliable and cost-effective means to measure liquid level for wastewater pumping applications. For use with pump controllers when combined with MO 201. The level probe can also be used with conductance relays designed to operate with conductance probe.

## GRU Stock Information

### PROBE, LEVEL

#### Stock Number

000799041

#### Stock Description

LEVEL PROBE

\*For GRU use only: an X indicates item is stockless

## National Standards

UL 913 - Safety in Hazardous Areas

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

P-60.00

7/1/2022

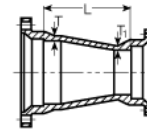
# Reducer, DI, Cement Lined, MJ x MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Ductile iron reducer, standard thickness cement lining, bituminous coating (inside & outside).

## Application

Reduced transitions in iron pipe pressurized water systems, for mechanical joint connections.

## GRU Stock Information

### RED MJ-MJ

#### Stock Number

#### Stock Description

|           |                       |
|-----------|-----------------------|
| 000028762 | 20" X 16", 18" LENGTH |
| 000158003 | 20" X 12", 18" LENGTH |
| 000158054 | 16" X 12", 18" LENGTH |
| 000345105 | 6" X 4", 4" LENGTH    |
| 000345202 | 8" X 4", 5" LENGTH    |
| 000430498 | 12" X 6", 7" LENGTH   |
| 000732737 | 8" X 6", 4" LENGTH    |
| 000798894 | 14" X 12", 18" LENGTH |
| 000800589 | 4" x 3",              |
| 000855138 | 12" X 8", 5" LENGTH   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C153 - Compact Fittings

AWWA C153 - Ductile Iron

See Appendix A for full description of standards

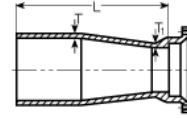
# Reducer, DI, Cement Lined, LEMJ x PE

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Ductile iron reducer, standard thickness cement lining, bituminous coating (inside & outside).

## Application

Reduced transitions in iron pipe pressurized water systems, for connecting larger size mechanical joint fittings to smaller size plain end pipe.

## GRU Stock Information

RED, LEMJ- PE

### Stock Number

### Stock Description

|           |                        |
|-----------|------------------------|
| 000251445 | 12" X 6", 12.5" LENGTH |
| 000345504 | 6" X 4", 9.5" LENGTH   |
| 000345555 | 8" X 4", 10.5" LENGTH  |
| 000654043 | 8" X 6", 9.5" LENGTH   |
| 000760994 | 12" X 8", 10.5" LENGTH |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C153 - Compact Fittings

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

R-10.10  
7/1/2022

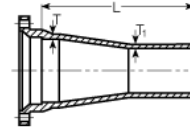
# Reducer, DI, Cement Lined, SEMJ-PE

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Ductile iron reducer, standard thickness cement lining, bituminous coating (inside & outside).

## Application

Reduced transitions in iron pipe pressurized water systems, for connecting larger size plain end pipe to smaller size mechanical joint fittings.

## GRU Stock Information

### RED, SEMJ- PE

#### Stock Number

#### Stock Description

|           |                            |
|-----------|----------------------------|
| 000009237 | 12" X 6" SEMJ x PE         |
| 000058424 | 8" X 6" SEMJ x PE          |
| 000120081 | 12" X 8" SEMJ x PE 10.5" L |
| 000345156 | 6" X 4" SEMJ x PE          |
| 000345253 | 8" X 4" SEMJ x PE          |
| 000804878 | 3" X 4" SEMJ x PE 8.5" L   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



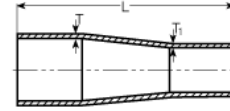
# Reducer, DI, Cement Lined, PE x PE

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Ductile iron reducer, standard thickness cement lining, bituminous coating (inside & outside).

## Application

Reduced transitions in iron pipe pressurized water systems, for plain end pipe connections.

## GRU Stock Information

### RED PE-PE

#### Stock Number

#### Stock Description

|           |                       |
|-----------|-----------------------|
| 000146609 | 8" X 6", 15" LENGTH   |
| 000345601 | 8" X 4", 16" LENGTH   |
| 000345709 | 20" X 12", 18" LENGTH |
| 000462705 | 16" X 12", 18" LENGTH |
| 000486612 | 12" X 6", 18" LENGTH  |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C153 - Compact Fittings

AWWA C153 - Ductile Iron

See Appendix A for full description of standards

# Reducer, DI, Cement Lined, FL x FL

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

REDUCER, FL X FL, DI,

Stock Number

Stock Description

000804479

4" x 3"

## Material Description

Flanged fittings manufactured of ductile iron in accordance with all applicable terms and provisions of standards ANSI/AWWA C110/A21.10. Flange surfaces shall be faced and drilled in accordance with ANSI Class 125, B16.1. All ductile iron flanged fittings shall be rated for water pressure of 250 psi.

## Application

Reductions in water systems

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanges

ANSI C104 - Bituminous Coating

ANSI C110 - DI Fittings

ASTM A242 - Bolts & Nuts

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

R-10.40  
4/17/2024

# Restraint, Megalug, Split, DI

## Material Item Approved for Use In

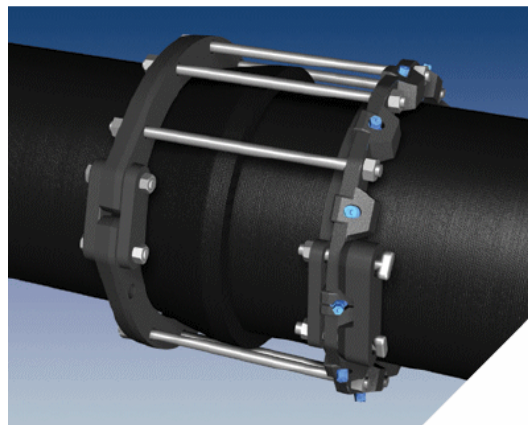
Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| EBAA Iron Sales, Inc     | 1100HD                |
| Sigma Corp               | SSLDH                 |



## GRU Stock Information

### RESTRAINT, MEGALUG, SPLIT, DI

| Stock Number | Stock Description |
|--------------|-------------------|
| 000798401    | 12"               |
| 000798452    | 16"               |
| 000798509    | 8"                |
| 000798606    | 6"                |
| 000798657    | 4"                |
| 000798886    | 24"               |

## Material Description

Bell Restaint harness for use on existing ductile iron pipe at pipe to pipe push on joints. The split restraint rings shall be used to grip the pipe on either side of the bell and a sufficient number of thrust rods shall be used to connect each restraint to one another. The restraint devices shall be coated using MEGA-BOND.

## Application

For use on water or wastewater pipelines subject to hydrostatic pressure.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Ductile Iron

ASTM D2774 - Pressure Testing

AWWA C600 - Hydrostatic Testing

See Appendix A for full description of standards

# Restraint, Megalug, Push on pipe, DI

## Material Item Approved for Use In

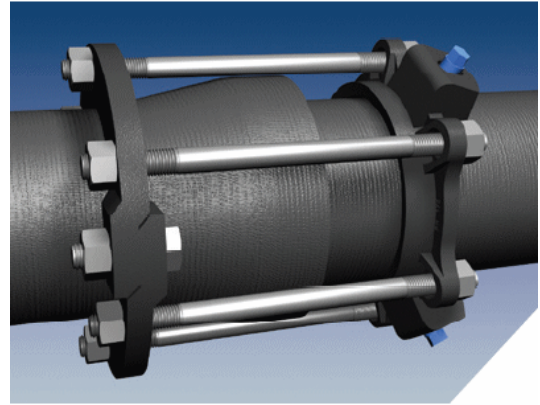
Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| EBAA Iron Sales, Inc     | 1700                  |
| Sigma Corp               | SLDH                  |



## Material Description

The Restraint Harness consists of one Restraint Gland and one split bell back up ring for ductile iron pipe to pipe push on joints. Ductile iron pipe bell restraint shall consists of a wedge action restraint ring on the spigot joined to a split ductile iron ring behind the bell. The restraint ring shall have individually actuated wedges that increase their resistance to pull-out as pressure or external forces increase. Torque limiting twist off nuts shall be used to insure proper actuation of the restraining wedges.

## Application

For use on water or wastewater pipelines subject to hydrostatic pressure. Megalug Restraint Ring on spigot side of joint.

## GRU Stock Information

### RESTRAINT, MEGALUG, PUSH ON PIPE, DI

| Stock Number | Stock Description |
|--------------|-------------------|
| 000798703    | 4"                |
| 000798754    | 6"                |
| 000798851    | 8"                |
| 000798908    | 12"               |
| 000798959    | 16"               |
| 000799009    | 24"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C111/A21.11  
ANSI/AWWA C150/A21.50  
ANSI/AWWA C151A21.51  
ASTM A536

See Appendix A for full description of standards

# Restraining Rod & Accessories, Galvanized

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Open Market

Sigma Corp / Russell Pipe

Trumbull Industries



## Material Description

Restraining rod and accessories shall be 3/4" diameter. Rod and accessories shall be hot-dip galvanized steel or Corten steel and suitable for use in underground environments. Rod and accessories shall have a thread count of 10 per inch.

## Application

For use in water, wastewater, and reclaimed water systems. Designed for use with threaded rod (passes through eye bolt) and restrained with heavy hex nut in restraining pipe joints

## GRU Stock Information

### ROD, GAL

#### Stock Number

#### Stock Description

|           |                                 |
|-----------|---------------------------------|
| 000034592 | 3/4" x 10'-0" thred rod         |
| 000034649 | 3/4" tie bolt                   |
| 000034797 | Coupling 3/4"x10' thrd , 2-1/4" |
| 000034843 | Flat washer                     |
| 000034894 | Heavy hex head nut              |
| 000303399 | 5/8"x6' thrd rd tie cou         |
| 000303402 | 3/4"x10' thrd rd w/coup         |
| 000303453 | Coupling 3/4"x10' thrd , 2-1/4" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized  
ASTM A242 - Bolts & Nuts

See Appendix A for full description of standards

## Riser, Manhole Section

### Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

#### Model/Series #

Del Zotto Products

Forterra

Standard Precast, Inc



### GRU Stock Information

#### RISER, MH

#### Stock Number

#### Stock Description

000442852

4 FT. HEIGHT

000455903

3 FT. HEIGHT

000468304

2 FT. HEIGHT

### Material Description

Manhole riser shall have shop applied interior and exterior damp-proof epoxy coating. Prime and finish coats shall be separate colors, with gray top coat. Minimum coating thickness is 3-5 mils DFT. Epoxy shall provide corrosion protection and water proofing of structure.

### Application

For use in wastewater manholes.

\*For GRU use only: an X indicates item is stockless

### National Standards

ASTM C478/AASHTO M199 - Precast Concrete

See Appendix A for full description of standards

# Riser, Manhole Section, Polymer, 4ft Dia

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Armorock



## Material Description

Manhole riser section. 48 inches in diameter precast polymer material.

## Application

For junctions and access points in wastewater systems.

## GRU Stock Information

### RISER, MH, ARMOROCK, 4 FT DIA

#### Stock Number

#### Stock Description

804711

2 ft

804762

3 ft

804819

4 ft

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C443 - Precast Reinforced Concrete

ASTM C478 - Manhole Sections

ASTM C579 Compressive Strength of Polymer Concretes

ASTM C580 Flexural Strength of Polymer Concretes

See Appendix A for full description of standards



# Saddle, Service, DI Pipe, NPT Thread Outlet

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| Manufacturer Name            | Model/Series # |
|------------------------------|----------------|
| Ford Meter Box Company, Inc. | FC202          |
| JCM Industries               | 404            |
| Smith-Blair, Inc             | 317            |

## Material Description

Service saddle for DIP or PVC (DR-18); body: DI w/shop coat enamel; outlet: for galvanized. Steel pipe (SCH. 40) NPT; bolts: electro-galv. Or DI; type: double strap w/neoprene gasket; note: 20" o.d. and larger have three straps.

## Application

For water and reclaimed water system tapping existing DIP mains for service locations.

## GRU Stock Information

### SADDLE, SERVICE DIP.- GAL

#### Stock Number

#### Stock Description

|           |                      |
|-----------|----------------------|
| 000026352 | 20" x 2" (21.60" OD) |
| 000026409 | 24" x 2" (25.80" OD) |
| 000026506 | 30" x 2" (32.00" OD) |
| 000034606 | 12" x 2" (13.20" OD) |
| 000051306 | 4" x 2" (4.80" OD)   |
| 000076406 | 6" x 2" (6.90" OD)   |
| 000093351 | 8" x 2" (9.05" OD)   |
| 000669806 | 16" x 2" (17.40" OD) |
| 000805149 | 3" x 2"              |
| 000805246 | 10" x 2"             |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized

See Appendix A for full description of standards



# Saddle, Service, Galvanized Pipe, CC Thread

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Ford Meter Box Company, Inc.



## Material Description

Service saddle; Body made of high strength ductile iron per ASTM A536; Double wide band and 5/8" UNC threaded studs of 18-8 type 304 stainless steel. For saddles 3" or smaller, studs are 1/2"; Gasket is EPDM rubber, ASTM D2000; Finish on saddle body is fusion-bonded epoxy coating

## Application

For water and reclaimed water system tapping

## GRU Stock Information

### SADDLE, SERVICE SS, CC THREAD

#### Stock Number

#### Stock Description

|        |         |
|--------|---------|
| 804029 | 2"x1"   |
| 804177 | 4"x1"   |
| 804215 | 6"x1"   |
| 804266 | 8"x1"   |
| 804312 | 12"x1"  |
| 804789 | 3"x1"   |
| 804835 | 16"x1"  |
| 805297 | 10" x 1 |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A536 - Bolts & Nuts

NSF-61

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-10.30

4/5/2024

## Saddle, Stainless Steel

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

#### Manufacturer Name

Ford Meter Box Company, Inc.

Total Piping Solutions, Inc

#### Model/Series #

FS313W-213-TAP

Series T3



### Material Description

Tapped stainless steel saddle.

### Application

### GRU Stock Information

#### SADDLE, STAINLESS STEEL

#### Stock Number

802387

#### Stock Description

2"x1"

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-13.00

4/16/2024

# Sand, Wellpoint

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Sand; type: masonry, well point

## GRU Stock Information

### SAND

#### Stock Number

000165859

000166006

#### Stock Description

Masonry

Wellpoint

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Sealant, Manhole Joint

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Gulf States Asphalt Co, Inc

Evergrip 990-Strips

Henry Company

RAM-NEK

## Material Description

Joint sealant shall be a preformed, plastic, butyl rubber sealant for use with precast sanitary sewer manhole structures. Joint sealant shall be 3/4" thick x 2" wide x 2'-6" long, individually wrapped and furnished in quantities of 10 per carton.

## Application

Preformed flexible joint sealant for sealing wastewater manhole joints.

## GRU Stock Information

### SEALER, JOINT MH

#### Stock Number

000669458

#### Stock Description

Carton (50 pieces)

\*For GRU use only: an X indicates item is stockless

## National Standards

AASHTO M-198 75 1 - Joint Sealant

ASTM C478 - Manhole Sections

ASTM C990 - Joint Sealant

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**S-30.00**

**7/1/2022**

# Sealant, Thread, Paste Type

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

JC Whitlam Mfg Co

T-U Type 555

RectorSeal

T Plus 2



## Material Description

Pipe thread sealant shall be a heavy duty, non-setting, multi-purpose compound containing teflon synthetic fibers to create a strong seal. Furnish with brush applicator in can lid.

## Application

For use in water and reclaimed water systems. For pipe sizes up to and including 1 1/4".

## GRU Stock Information

### SEALER PIPE GALV PINT NSF

#### Stock Number

000037354

#### Stock Description

Container (pint)

\*For GRU use only: an X indicates item is stockless

## National Standards

NSF 61 - Potable Water Systems

TT S-1732 - Pipe Thread

See Appendix A for full description of standards

# Sealant, Thread, Teflon Tape

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Teflon thread seal tape for threaded pipe and fittings. Tape shall be white, standard density teflon, 3.5 mils thick, 1/2" wide. Tape shall be provided in rolls.

## Application

Provides a leak proof seal for all threaded pipe connections in water and reclaimed water systems.

## GRU Stock Information

### TAPE, TEFLON

#### Stock Number

000259527

#### Stock Description

Roll (1/2" x 520")

\*For GRU use only: an X indicates item is stockless

## National Standards

A-A 58092 - Thickness

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-32.00

7/5/2023

# Sealant, Manhole Rings

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Cretex Companies, Inc

98050



## Material Description

Moisture curing, polyether adhesive sealant designed for applications in damp, dry, or cold climates.

## Application

Creates watertight seal between manhole cone and engineered polymer material grading rings.

## GRU Stock Information

### SEALER, MH RINGS

#### Stock Number

#### Stock Description

000801917

28 OZ

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C920- Elastomeric Joint Sealants

ASTM D1475- Density of Liquid Coatings, Inks, and Related

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-33.00

4/10/2023

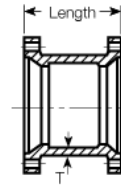
# Sleeve, Solid, Epoxy Lined, MJ x MJ

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Solid sleeve, DI: interior: epoxy lined-standard thickness; bituminous coating: inside & outside; ends: less accessories. Solid sleeve shall be lined with a min of 40 mils/DFT (dry film thickness) of Protecto 401 lining.

## Application

For use in wastewater systems.

## GRU Stock Information

### SLEEVE, SOLID, DI, EPOXY LINED

#### Stock Number

#### Stock Description

|           |          |
|-----------|----------|
| 000006379 | 4"x12"L  |
| 000006387 | 6"x12"L  |
| 000006395 | 10"x12"L |
| 000006403 | 12"x12"L |
| 000006411 | 8"x12"L  |
| 000006429 | 14"x15"L |
| 000006437 | 16"x15"L |
| 000006445 | 20"x15"L |
| 000006452 | 24"x15"L |
| 000006460 | 30"x24"L |
| 000006478 | 36"x24"L |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-40.00

7/1/2022



## Sleeve, Solid, MJ x MJ (3"-12")

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

### Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



### Material Description

Ductile iron mechanical joint solid sleeve with standard thickness cement-lined interior and bituminous coating (inside and outside). Not furnished with accessories. 12" long x 3" to 12" diameter.

### Application

For use in water and reclaimed water systems.

### GRU Stock Information

#### SLEEVE, SOLID DI CEM LINE MJ

#### Stock Number

#### Stock Description

|           |           |
|-----------|-----------|
| 000185655 | 10" x 12" |
| 000186872 | 12" x 12" |
| 000215171 | 4" x 12"  |
| 000341185 | 8" x 12"  |
| 000444022 | 6" x 12"  |
| 806366    | 3" x 12"  |

\*For GRU use only: an X indicates item is stockless

### National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards

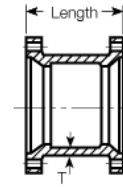
# Sleeve, Solid, MJ x MJ (14"-36")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Ductile iron mechanical joint solid sleeve with standard thickness cement-lined interior and bituminous coating (inside and outside). Not furnished with accessories. 15" long x 14" to 24" diameter or 24" long x 30" to 36" diameter.

## Application

For use in water and reclaimed water systems.

## GRU Stock Information

### SLEEVE, SOLID DI CEM LINE MJ

#### Stock Number

#### Stock Description

|           |           |
|-----------|-----------|
| 000006486 | 36" x 24" |
| 000183695 | 30" x 24" |
| 000185701 | 14" x 15" |
| 000185809 | 16" x 15" |
| 000185885 | 18" x 15" |
| 000185906 | 20" x 15" |
| 000186007 | 24" x 15" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-41.01  
7/1/2022

# Sleeve, Tapping, Stainless Steel, MJ (4"-12")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>       | <u>Model/Series #</u> |
|--------------------------------|-----------------------|
| Ford Meter Box Company, Inc.   | FTSS-MJ               |
| JCM Industries                 | JCM 439               |
| Powerseal Pipeline Products Co | 3490MJ                |
| Total Piping Solutions, Inc    | TripleTapMJ           |



## Material Description

Tapping sleeve shall be fabricated from 304 (18-8) stainless steel, furnished with a mechanical joint outlet gasket, a branch sealing gasket, and a full circle shell gasket manufactured from virgin Nitrile rubber. Tapping sleeve shall be furnished with type 304 (18-8) stainless steel bolts and nuts. A minimum of two (2) bolts shall be longer, starter bolts. The shell gasket and the branch-sealing gasket shall be contained with stainless steel retaining rings. Nuts shall be furnished with fusion-bonded coating. Tapping sleeve shall be factory hydrostatically tested on pipe to a minimum of 300 psi with zero leakage allowed.

## Application

For use in tapping existing lines under pressure.

## GRU Stock Information

### SLEEVE, TAPPING

| Stock Number | Stock Description |
|--------------|-------------------|
| 000002212    | 6" x 6"           |
| 000002220    | 8" x 8"           |
| 000002238    | 8" x 6"           |
| 000002253    | 12" x 6"          |
| 000002261    | 12" x 8"          |
| 000002279    | 12" x 12"         |
| 000006536    | 4" x 4"           |
| 000006544    | 6" x 4"           |
| 000006551    | 8" x 4"           |
| 000006569    | 12" x 4"          |
| 000801003    | 10" x 4"          |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI 21.11 - Outlet

ANSI/AWWA C-223

ASTM 240 - Stainless Steel

ASTM A193/A194 - Bolts & Nuts

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-44.00

4/3/2024

# Sleeve, Tapping, Stainless Steel, MJ (16"-24")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| Manufacturer Name              | Model/Series # |
|--------------------------------|----------------|
| Ford Meter Box Company, Inc.   | FTSS-MJ        |
| JCM Industries                 | JCM 439        |
| Powerseal Pipeline Products Co | 3490MJ         |
| Total Piping Solutions, Inc    | TripleTapMJ    |

## Material Description

Tapping sleeve shall be fabricated from 304 (18-8) stainless steel, furnished with a mechanical joint outlet gasket, a branch sealing gasket, and a full circle shell gasket manufactured from virgin Nitrile rubber. Tapping sleeve shall be furnished with type 304 (18-8) stainless steel bolts and nuts. A minimum of two (2) bolts shall be longer, starter bolts.

## Application

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be MJ x MJ x Swivel (branch) less accessories.

## GRU Stock Information

### SLEEVE, TAPPING

| Stock Number | Stock Description |
|--------------|-------------------|
| 000002287    | 16" x 6"          |
| 000002295    | 16" x 8"          |
| 000002303    | 16" x 12"         |
| 000002311    | 16" x 16"         |
| 000003608    | 24" x 8"          |
| 000006577    | 16" x 4"          |
| 00005181     | 20" x 8"          |
| 000471003    | 20" x 6"          |
| 000799785    | 24" x 12"         |
| 000799831    | 24" x 6"          |
| 000800058    | 20" X 4"          |
| 000800252    | 20" x 12"         |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI 21.11 - Outlet

ASTM 240 - Stainless Steel

ASTM A1907 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

S-44.01  
4/3/2024

# Tee, Brass, Threaded, FNPT

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Merit Brass



## Material Description

Brass Tee; National Pipe Thread (female connections)- No lead brass.

## Application

For use in water and reclaimed water systems.

## GRU Stock Information

### TEE, BRS NATL PIPE THREAD

#### Stock Number

#### Stock Description

|           |      |
|-----------|------|
| 000155306 | 1/4" |
| 000155357 | 1/2" |
| 000155403 | 3/4" |
| 000802506 | 2"   |
| 000806617 | 1"   |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

AWWA C800 - Brass

See Appendix A for full description of standards

# Tee, DI, Cement Lined, Anchoring, MJ-Swivel

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

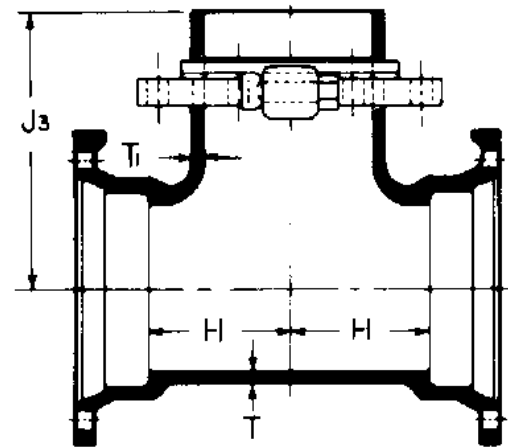
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be MJ x MJ x Swivel (branch) less accessories. Mechanical Joint C153 Ductile Iron Tee.

## Application

For mechanical joint swivel tee connections at 90 degree angles in water and reclaimed water systems.

## GRU Stock Information

### TEE, ANCHORING MJ- SWIVEL

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000031461 | 16" x 16" x 6"  |
| 000031518 | 20" x 20" x 6"  |
| 000031569 | 24" x 24" x 6"  |
| 000089311 | 8" x 8" x 6"    |
| 000221856 | 12" x 12" x 6"  |
| 000224707 | 8" x 8" x 8"    |
| 000224855 | 12" x 12" x 8"  |
| 000555185 | 6" x 6" x 6"    |
| 000798304 | 16" x 16" x 12" |
| 000798355 | 16" x 16" x 8"  |
| 000800309 | 12" x 12" x 12" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards

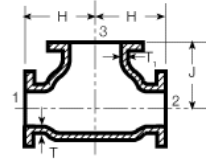
# Tee, DI, Cement Lined, Bullhead, FL x FL x FL

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be flange x flange x flange less accessories.

## Application

For use in water and reclaimed water system where branch connection is larger than the two straight connections.

## GRU Stock Information

### TEE, BULLHEAD F- F- F

#### Stock Number

#### Stock Description

000114855

4" x 4" x 6"

000114901

6" x 6" x 6"

000114952

8" x 8" x 12"

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-22.00

8/4/2023

# Tee, DI, Cement Lined, Full Body, FL x FL x FL

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

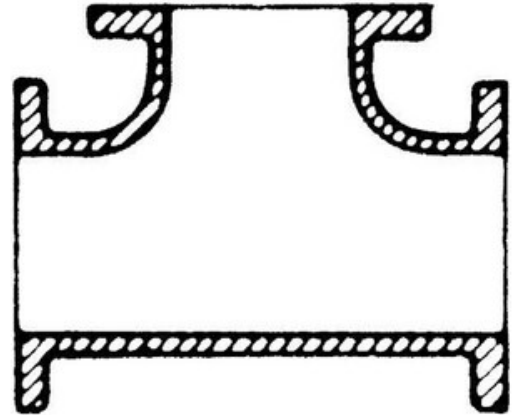
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## GRU Stock Information

### TEE, DI, CEMENT LINED, FLG

#### Stock Number

#### Stock Description

000804274

3 X 3 X 3"

000804525

4 X 4 X 4"

## Material Description

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be flange x flange x flange less accessories.

## Application

For use in water and reclaimed water systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A242 - Bolts & Nuts

ASTM A536 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-22.10

4/3/2024



# Tee, DI, Cement Lined, MJ x MJ x MJ (4"-16")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be MJ x MJ x MJ less accessories.

## Application

For use with standard tee connections in water and reclaimed water systems.

## GRU Stock Information

### TEE, MJ- MJ- MJ DI CEM LINED

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000126322 | 16" x 16" x 6"  |
| 000126357 | 16" x 16" x 8"  |
| 000126403 | 16" x 16" x 12" |
| 000126446 | 16" x 16" x 16" |
| 000323152 | 8" x 8" x 6"    |
| 000360538 | 6" x 6" x 6"    |
| 000391204 | 12" x 12" x 6"  |
| 000641618 | 8" x 8" x 8"    |
| 000800538 | 8" x 8" x 4"    |
| 000800732 | 12" x 12" x 4"  |
| 000801658 | 6" x 6" x 4"    |
| 000801704 | 4" x 4" x 4"    |
| 000802131 | 12" x 12" x 8"  |
| 000838357 | 12" x 12" x 12" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards

# Tee, DI, Cement Lined, MJ x MJ x MJ (20"-24")

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

DI anchoring tee with cement-lined interior (standard thickness) and bituminous coating (inside and out). Fitting shall be MJ x MJ x MJ less accessories.

## Application

For use with standard tee connections in water and reclaimed water systems.

## GRU Stock Information

### TEE, MJ- MJ- MJ DI CEM LINED

#### Stock Number

#### Stock Description

|           |                 |
|-----------|-----------------|
| 000126551 | 20" x 20" x 8"  |
| 000126608 | 20" x 20" x 12" |
| 000126659 | 20" x 24" x 20" |
| 000126756 | 24" x 24" x 12" |
| 000126802 | 24" x 24" x 24" |
| 000799076 | 24" x 24" x 16" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-23.10  
7/1/2022

# Tee, PVC, SCH 40, Solvent Weld

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Grade 1, Type 1, schedule 40 PVC solvent weld tee. Type: Slip x Slip x Slip.

## Application

For use in water and reclaimed water systems.

## GRU Stock Information

### TEE, PVC SCH 40

#### Stock Number

#### Stock Description

000104531

1"

000104558

1-1/2"

000104604

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2466 - Sch 40 PVC Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-25.00

7/1/2022

# Tee, Reducing, PVC, SCH 40, Solvent Weld

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Type 1, Grade 1, solvent weld PVC reducing tee. Type: Slip X Slip X Slip.

## Application

For use in water and reclaimed water systems.

## GRU Stock Information

### TEE, REDUCING, PVC, SCH 40, SOLVENT WELD

#### Stock Number

#### Stock Description

000067555

2" x 2" x 1"

000067601

2" x 2" x 1-1/2"

000067652

2" x 2" x 3/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2466 - Sch 40 PVC Fittings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-26.00

7/1/2022

# Tee, Tapped, DI, Cement Lined, MJ x MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

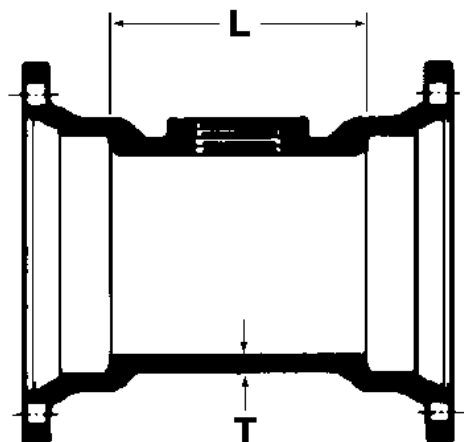
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Ductile iron tapped tee with standard thickness cement lined interior and bituminous coating (inside and out). Ends less accessories. Mechanical joint fittings.

## Application

For use in Tapping existing mains water and reclaimed water systems without need for drilling or saddle.

## GRU Stock Information

### TEE, TAPPED MJ- MJ, DI

#### Stock Number

#### Stock Description

|           |                    |
|-----------|--------------------|
| 000546216 | 6" x 6" x 3" tap   |
| 000624667 | 12" x 12" x 3" tap |
| 000688517 | 8" x 8" x 3" tap   |
| 000800104 | 6" x 6" x 2" tap   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - DI Fittings  
AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-27.00  
7/1/2022

## Tee, Grip Joint

### Material Item Approved for Use In

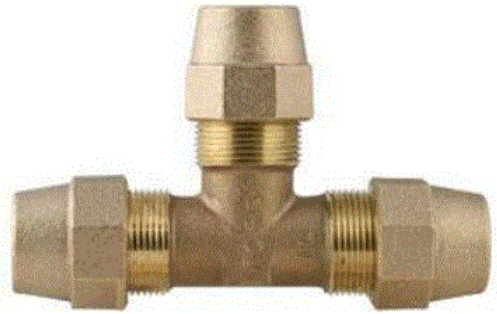
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

### Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74760G                |
| Ford Meter Box Company, Inc. | T444-xxx-G-NL         |
| Mueller Company              | H-15399N              |



### GRU Stock Information

#### Stock Number

803316

#### Stock Description

1"

### Material Description

### Application

Grip joint for CTS to grip joint.

\*For GRU use only: an X indicates item is stockless

### National Standards

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**T-28.00  
4/17/2024**

# Threader, Pipe, Die Head

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #



## Material Description

Pipe threader die head with dies.

## Application

For cutting threads into plain end cut pipe. For use in domestic water and reclaimed water systems.

## GRU Stock Information

### PIPE THREADER DIE HEAD W/DIES

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000170526 | 2"     |
| 000276618 | 3/4"   |
| 000373605 | 1-1/4" |
| 000762164 | 1/2"   |
| 000852279 | 1-1/2" |

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-30.00  
7/1/2022

# Tubing, Copper

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Copper tubing with 0.065" wall thickness, rated to 250 psi minimum. Provided in 60' coils. Size Determined By Outside Diameter.

## Application

For use in water systems.

## GRU Stock Information

### TUBING, COPPER

#### Stock Number

000146048

000146196

#### Stock Description

3/4" (0.875" od)

1" (1.125" od)

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B847 - Copper

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

T-40.00  
7/5/2023



# Tubing, Polyethylene (Reclaimed Water)

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Endot

### Model/Series #

ENDOCOR RWT



## Material Description

Pantone purple colored PE-3408, Type III, Grade P34, Class C, High Density Polyethylene (HDPE) Tubing, SDR 9, Copper Tube Size (CTS-OD). Rated at 200 psi. Provide in 300' coils. Tubing Marked As Follows: Manufacturer's Name, Product Name, Nominal Size, Working Pressure Rating At 73.4 Deg. F, PPI Material Classification (PE3408), National Sanitation Foundation Seal For Potable Water Pipe, And Manufacturer's Date Code. Print Shall Be Permanent And Repeat Minimum Every 3 Feet.

## Application

For use in reclaimed water systems.

## GRU Stock Information

**TUB, POLY 1", PURPLE, HDPE, DR 9**

### Stock Number

000121711

### Stock Description

1" (1.125" od)

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2239 IPS

ASTM D2737 - HDPE

ASTM D3035 IPS

NSF 61 - Potable Water

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**T-41.00**

**4/9/2024**

# Tubing, Polyethylene (Water)

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
|--------------------------|-----------------------|

|       |                |
|-------|----------------|
| Endot | PEP10041010009 |
|-------|----------------|

|       |                |
|-------|----------------|
| Endot | PEP20041010009 |
|-------|----------------|

or Approved Equal



## GRU Stock Information

**TUB, POLY 1", BLUE, HDPE, SDR 9**

### Stock Number

### Stock Description

000160091

1"

000802689

2"

## Material Description

Blue colored DE-3408, Type III, Grade P34, Class C HDPE tubing, rated to 200 psi, SDR 9, copper tube size (CTS-OD). Provide in 300' coils. Tubing marked as follows: manufacturer's name, product name, nominal size, working pressure rating at 73.4 deg. F, PPI material classification (PE3408), National Sanitation Foundation seal for potable water pipe, and manufacturer's date code. Print shall be permanent and repeat minimum every 3 feet.

## Application

For use in potable water services.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D2737 - HDPE

NSF 61 - Potable Water

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**T-42.00  
8/31/2023**

# Union, Galvanized, Threaded

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Manufactured in USA only.  
GALVANIZED UNION; STANDARD WEIGHT; SCHEDULE 40,  
ASTM A120

## Application

## GRU Stock Information

### UNION, GAL

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000700304 | 1/2"   |
| 000700355 | 3/4"   |
| 000700401 | 1"     |
| 000700509 | 1-1/2" |
| 000700606 | 2"     |
| 000700754 | 3"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized

NSF 61 - Water System Components

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

U-10.00  
4/11/2023

# Valve Part, RP, FEBCO 825 3"

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

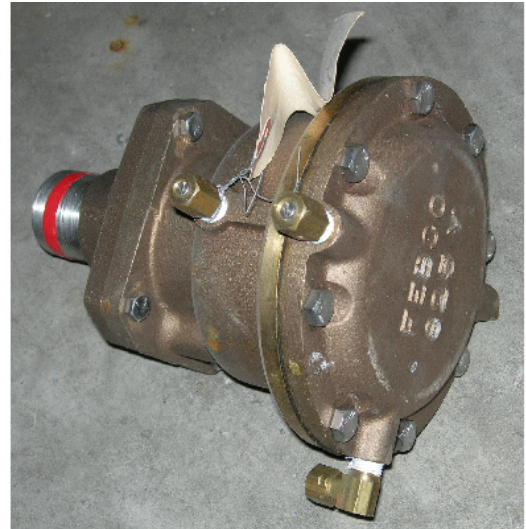
## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

825YD



## GRU Stock Information

### VALVE, RP PART FEB 825 3"

#### Stock Number

000050563

000218901

000219053

#### Stock Description

3"

3"

3"

## Material Description

Repair parts for reduce pressure backflow preventer; size: 3".

## Application

Various parts for repair of FEBCO 825YD reduced pressure backflow preventer valve assembly.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASSE 1013 - BFP Assembly

AWWA C511 - BFP Assembly

See Appendix A for full description of standards

# Valve Part, RP, FEBCO 825 4"

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

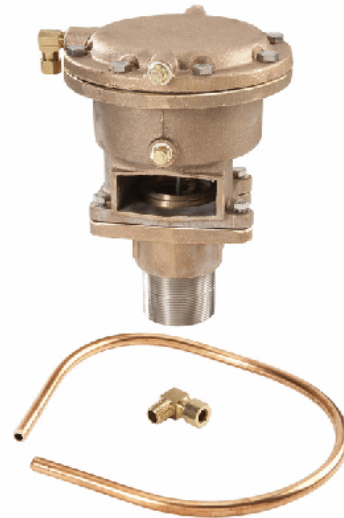
## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

825YD



## Material Description

Repair parts for reduced pressure backflow preventer; size: 4".

## Application

Various parts for repair of FEBCO 825YD reduced pressure backflow preventer valve assembly.

## GRU Stock Information

### VALVE, RP PART FEB 825 4"

#### Stock Number

000218855

000258164

#### Stock Description

4"

4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASSE 1013 - BFP Assembly

AWWA C511 - BFP Assembly

See Appendix A for full description of standards

# Valve Part, RP, FEBCO 825 6"

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

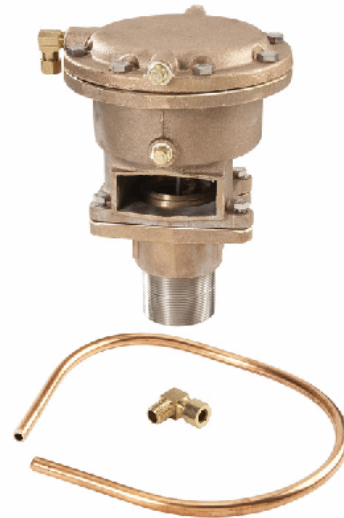
## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

825YD



## GRU Stock Information

### VALVE, RP PART FEB 825 6"

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000090387 | 6" |
| 000090433 | 6" |
| 000090441 | 6" |
| 000218952 | 6" |

## Material Description

Repair parts for reduce pressure backflow preventer; size: 6".

\*For GRU use only: an X indicates item is stockless

## Application

Various parts for repair of FEBCO 825YD reduced pressure backflow preventer valve assembly.

## National Standards

ASSE 1013 - BFP Assembly

AWWA C511 - BFP Assembly

See Appendix A for full description of standards

## Valve Part, RP, FEBCO 825 8"

### Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

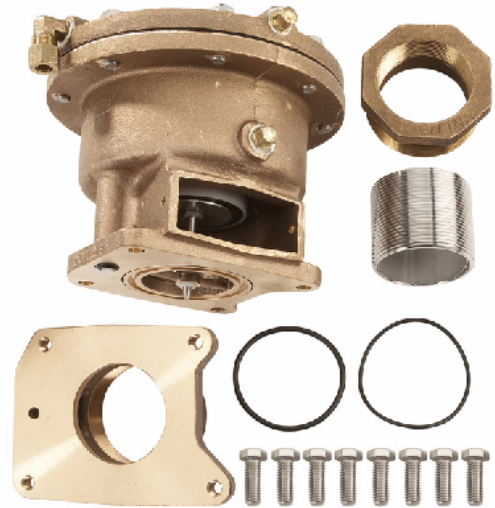
### Approved Manufacturers

#### Manufacturer Name

FEBCO

#### Model/Series #

825YD



### Material Description

Repair parts for reduce pressure backflow preventer; size: 8".

### Application

Various parts for repair of FEBCO 825YD reduced pressure backflow preventer valve assembly.

### GRU Stock Information

#### VALVE, RP PART FEB 825 8"

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000090484 | 8" |
| 000090581 | 8" |
| 000258156 | 8" |
| 000258172 | 8" |

\*For GRU use only: an X indicates item is stockless

### National Standards

ASSE 1013 - BFP Assembly

AWWA C511 - BFP Assembly

See Appendix A for full description of standards

# Valve, Enclosure, ARV

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

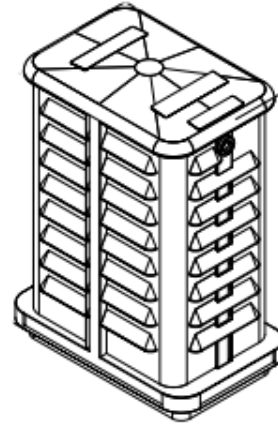
## Approved Manufacturers

### Manufacturer Name

Hubbell Power Systems

### Model/Series #

AV142034 HDSS3009



## Material Description

ARV enclosure is 34" (high) x 20" (wide) x 14" (deep), with a separate base. Color is Dark green. The pedestal dome is Low Density Polyethylene roto-molded and the base is High Density Polyethylene structural foam. All stainless-steel hardware.

## Application

For use with Air Release Valves.

## GRU Stock Information

### VALVE, ENCLOSURE, AIR RELEASE VALVE

#### Stock Number

000799548

#### Stock Description

Enclosure

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI C57

ASTM D1248 - Materials

ASTM G-53

See Appendix A for full description of standards



# Valve, Air Release (Sewage) Stainless Steel

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

RF Valves/ Vent-O-Mat

### Model/Series #

RGX II Family



## GRU Stock Information

### VALVE, SEWAGE AIR RELEASE, SS

#### Stock Number

000804541

#### Stock Description

2"

## Material Description

Air release valve is designed to allow the escape of air for an operating range from 2.9 to 145 psi (0-10 bar). The valve will close watertight when liquid enters the valve even when the fluid is rising without pressure. The valve body and spindle spring shall be stainless steel grade 304L or 316L, designed to facilitate disassembly for cleaning and maintenance. The float shall be HDPE, the valve seat and all working parts shall be of corrosion-resistant materials of EPDM.

## Application

Release of entrained air from sanitary sewer system applications. Flanged. Stainless Steel

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Valve, Backflow Preventer, Reduced Pressure, Brnz

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

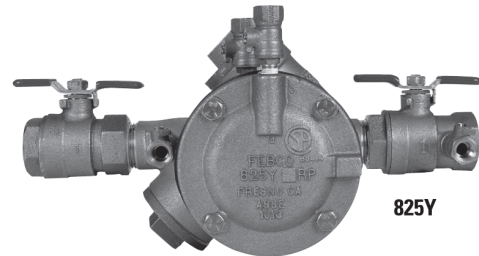
## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

825Y



## Material Description

The reduced pressure backflow preventer shall consist of two independently operating, spring loaded, "Y" pattern check valves and one hydraulically dependent differential relief valve. The assembly shall automatically reduce the pressure in the "zone" between the check valves to at least 5 psi lower than inlet pressure. Should the differential between the upstream and the zone of the unit drop to 2 psi, the differential relief valve shall open and maintain the proper differential. Mainline valve body and caps including relief valve body and cover shall be bronze.

## Application

Maintenance of acceptable pressure in water systems for prevention of backsiphonage and contamination.

## GRU Stock Information

### VALVE, R.P. BACKFLOW PREVENTER

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000283452 | 3/4"   |
| 000283657 | 1"     |
| 000317551 | 1-1/2" |
| 000339407 | 2"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B1.20.1 - End Connections

ASSE 1013 - BFP Assembly

AWWA C511 - BFP Assembly

CSA B64.4 - BFP Assembly

See Appendix A for full description of standards

# Valve, Backflow Preventer, Reduced Pressure, Iron

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

FEBCO

860-OS-YR-PU



## Material Description

Reduced pressure backflow preventer assemblies shall consist of two independent "Y" configured check valves and one differential relief valve. By design, the assembly shall automatically reduce the pressure in the zone between the check valves. Should the differential between the zone and upstream pressure drop to 2 psi, the differential relief valve will open, maintaining proper zone differential. Valve bodies and cover shall be manufactured of ductile iron flanged, epoxy coated, and class 125.

## Application

Maintenance of acceptable pressure with domestic water systems for prevention of backsiphonage and contamination.

## GRU Stock Information

### VALVE, R.P. BACKFLOW PREVENTER

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000073466 | 10" |
| 000356409 | 3"  |
| 000368008 | 4"  |
| 000384704 | 6"  |
| 000390356 | 8"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanges

ASTM A536 - Ductile Iron

See Appendix A for full description of standards

# Valve, Ball, Curb Stop

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 76101                 |
| Cambridge Brass              | 212-FxFx              |
| Ford Meter Box Company, Inc. | B11                   |
| Mueller Company              | B-20283               |



## GRU Stock Information

### VALVE, CURB STOP

#### Stock Number

#### Stock Description

|           |      |
|-----------|------|
| 000191302 | 3/4" |
| 000191353 | 1"   |

## Material Description

Valve shall be curb stop type, quarter turn, brass ball valve. Ball shall be full port, brass or teflon coated brass. Valve shall be threaded (FNPT) on the inlet and outlet ends and provided with an integral plug and head and a lockwing. Valve shall be pressure rated to 300 psi. (No lead).

## Application

For use in setting up domestic water meters and reclaimed water meters.

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Ball Valves

See Appendix A for full description of standards

# Valve, Ball, Full Port

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>       | <u>Model/Series #</u> |
|--------------------------------|-----------------------|
| Apollo Valve / Conbraco Indsty | 70-100-01Series       |
| Watts Industries, Inc          | B-6000 Series         |



## Material Description

Valve shall be rated for 150 psi service and shall be standard, full-port type with female threaded ends (NPT). Valve body shall be two-piece, bronze. Ball shall be chromium plated brass. Valve operating lever shall be zinc-plated steel provided with a vinyl coating and shall be removable. Valve seats shall be RPTFE. No lead brass.

## Application

For use in conjunction with backflow prevention services water and reclaimed water systems.

## GRU Stock Information

### VALVE, BALL FULL PORT

#### Stock Number

#### Stock Description

|           |                           |
|-----------|---------------------------|
| 000184705 | 1/2" Full Port Ball Valve |
| 000191191 | 3/4" Full Port Ball Valve |
| 000191248 | 1" Full Port Ball Valve   |
| 000191299 | 1-1/2" Full Port Ball Val |
| 000191345 | 2" Full Port Ball Valve   |

\*For GRU use only: an X indicates item is stockless

## National Standards

ww-v-35C - Ball Valve

See Appendix A for full description of standards

# Valve, Ball, Full Port, Stainless Steel

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

FNW

### Model/Series #

FNW200AK



## Material Description

Valve shall be rated for 150 psi service and shall be standard, full-port type with female threaded ends (NFPT). Valve body shall be two-piece, Stainless Steel. Ball shall be stainless steel. Valve operating lever shall be Stainless steel provided with a vinyl coating and shall be removable. Valve seats shall be RTFE. No lead brass.

## Application

For use in ARV assemblies.

## GRU Stock Information

### VALVE, BALL, SS, FULL PORT BALL VALVE

#### Stock Number

000800961

#### Stock Description

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A351-CF8M

See Appendix A for full description of standards

# Valve, Ball, Stainless, Flanged End

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

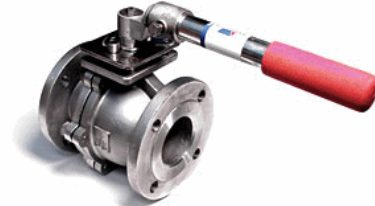
## Approved Manufacturers

### Manufacturer Name

American Valve, Inc

### Model/Series #

4001



## Material Description

Ball Valves shall be full port and of the floating ball design capable of providing bi-directional, tight shutoff in accordance with MSS SP-72. The valves shall be rated at 150 psi WSP/ and 300 psi WOG. Bodies shall be stainless steel per ASTM A351-CF8M, with ANSI Class 150 raised face flanges. Valves equipped with 2" square operating nut and right angle gear operator.

## Application

For use with Air Release Valves (ARV's)

## GRU Stock Information

### VALVE, BALL, SS, FL END, 2"

#### Stock Number

000800082

000800139

000800236

#### Stock Description

2"

3"

4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI/AWWA C150/A21.50

ASTM A351-CF8M

AWWA C507-99

NSF/ANSI 61

See Appendix A for full description of standards

# Valve, Ball, Flanged x CTS, 2"

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 76100MWQ              |
| Ford Meter Box Company, Inc. | FBF43777WGNL          |
| Mueller Company              | B-24335N              |



## GRU Stock Information

VALVE, BALL, GRIP JOINT, CTS X FL

### Stock Number

000802654

### Stock Description

2"

## Material Description

BALL VALVE GRIP JOINT CTS X FLANGE, BRASS (NO LEAD)

## Application

FOR 1-1/2" AND 2" METERS

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-33.30  
4/17/2024



# Valve, Ball, Angle, CTS x Flange

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

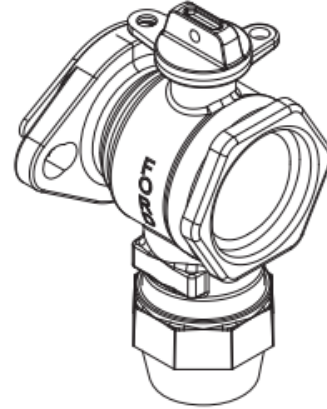
AY McDonald Mfg Company

Ford Meter Box Company, Inc.

Mueller Company

FBFA43777WGNL

B-24276N



## GRU Stock Information

### VALVE, ANGLE BALL, CTS X FL

#### Stock Number

#### Stock Description

000802751

2"

## Material Description

BALL VALVE ANGLED WITH FLANGED ENDS, BRASS (NO LEAD)

## Application

FOR 1-1/2" AND 2" METERS

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-33.40  
4/17/2024

# Valve, Butterfly, MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Clow Valve Company       | 4500 or 1450          |
| Henry Pratt Company      | Groundhog             |
| M&H Valve Company        | 4500 or 1450          |

## Material Description

End connections shall be mechanical joint less accessories. Valve body and disc shall be constructed of ductile/cast iron. Disc shall be furnished with 316 stainless steel seating edge to mate with the rubber seat that shall be retained on the body. Valve shafts shall be 18-8 type 304 stainless steel. Shaft seals shall be standard self-adjusting split V packing and shall be of a design allowing replacement without removing the valve shaft. Valve bearings shall be sleeve types that are corrosion resistant and self-lubricating. Valve actuator shall be fully grease packed and have stops in the open/close position.

## Application

The valve shall be provided with a 2" square-operating nut. The valve interior and exterior surfaces except for seating shall be coated with a minimum of 6-mils of polyamide cured epoxy coating (fusion bond epoxy). For use in underground potable water and reclaimed water systems.

## GRU Stock Information

### VALVE, BUTTERFLY, MJ

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000087696 | 16" |
| 000087742 | 20" |
| 000087793 | 24" |
| 000087858 | 30" |
| 000087877 | 36" |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C504 - Class 150B  
AWWA C550 - Coating

See Appendix A for full description of standards

# Valve, Check, Pressure Reducing, DI, FL x FL

## Material Item Approved for Use In

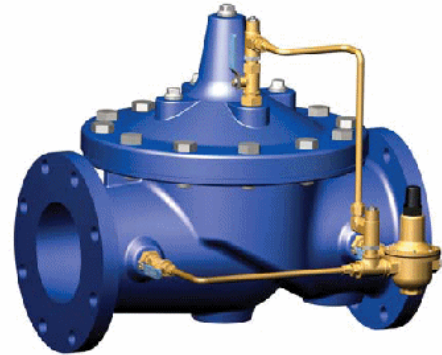
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Cla-Val                  | 81-01                 |
| Watts Industries, Inc    | F115-3                |



## Material Description

Pressure-reducing ductile iron check valve with epoxy coating inside, bronze trim and stainless steel stem. Class 125 flanged ends, and adjustable outlet pressure from 25-75 psi.

## Application

Pressure reduction of water systems, and prevention of backflow where downstream pressure exceeds upstream pressure.  
Private/Customer use only.

## GRU Stock Information

### VALVE, REGULATOR & CHECK VALVE

| Stock Number | Stock Description |
|--------------|-------------------|
| 000026158    | 3"                |
| 000026204    | 4"                |
| 000026255    | 6"                |
| 000026301    | 8"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.42 - Flanges

ASTM A536 - Ductile Iron

ASTM B62 - Bronze

NSF 61 - Epoxy Coating

See Appendix A for full description of standards

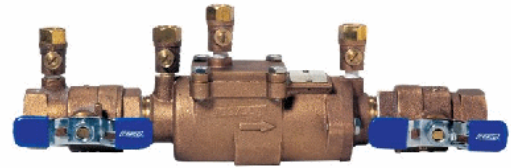
# Valve, Double Check, Bronze, Thread

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

LF-850

## Material Description

Bronze double check backflow preventer valve. Bronze body, cover and valve. Threaded end connections (NPT).

## Application

For use in backflow prevention in potable water supply.

## GRU Stock Information

### VALVE, DBL CHECK BACKFLOW PREVENTER

#### Stock Number

#### Stock Description

|           |        |
|-----------|--------|
| 000014826 | 3/4"   |
| 000014877 | 1"     |
| 000015326 | 1-1/2" |
| 000015377 | 2"     |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C510 - Double Check Valve

NPT B1.20.1 - Pipe Thread

See Appendix A for full description of standards

# Valve, Double Check, Iron, Flange

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

850



## Material Description

Epoxy coated ductile iron body with NRS resilient shutoff gate valves. Maximum working pressure 175 psi. Flanged end connections.

## Application

Designed for backflow prevention in potable water systems.

## GRU Stock Information

### VALVE, DBL CHECK BACKFLOW PREVENTER

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000014893 | 8" |
| 000015334 | 3" |
| 000015385 | 4" |
| 000015407 | 6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - End Connections  
AWWA C509 - Valves  
AWWA C550 - Epoxy Coating  
AWWA C606 - Clamp

See Appendix A for full description of standards

# Valve, Dual Check

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>      | <u>Model/Series #</u> |
|-------------------------------|-----------------------|
| Watts Industries, Inc         | 7U2-U2                |
| Wilkins / Zurn Industries Inc | 700XL                 |



## GRU Stock Information

VALVE, 2-CHECK 3/4", BRZ BODY, F NPT

### Stock Number

000110191

### Stock Description

3/4" x 3/4"

## Material Description

Bronze inline dual check valve (non-rebuildable) with female threaded ends (NPT).

## Application

Install on customer's side of potable water service for backflow prevention.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASSE 1024 - Dual Check Backflow Preventer

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-38.00  
6/5/2024

# Valve, Dual Check, w Access Cap

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

AY McDonald Mfg Company

Ford Meter Box Company, Inc.

Mueller Company

HHCH91-xxx-NL



## Material Description

Bronze inline dual check valve (non-rebuildable) with female threaded ends (NPT). With Straight Cartridge and Access Cap.

## Application

Install on customer's side of potable water service for backflow prevention.

## GRU Stock Information

### VALVE, CHECK DUAL, METERxFIP

#### Stock Number

000803863

#### Stock Description

5/8" x 3/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Material

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-38.10  
4/3/2024

# Valve, Flush, FLYGT Pump

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

ITT Flygt

4901



## Material Description

The Flush Valve gives a pump the capability of a mixer and provides automatic desludging. Attached easily to the pump volute, the valve is open at the start of the pumping cycle and water is forced through the valve as a powerful jet-flushing stream. Water in the sump is immediately subjected to intensive turbulence, and all sludge deposits as well as floating solids are resuspended before being pumped out. Body, cast iron; ball, cast iron or polyurethane; membranes, nitrile rubber; oil, rape seed oil.

## Application

The Flush Valve provides a simple, effective and reliable way of keeping sewage stations continuously clean. In sumps that are less than 2.1 m in diameter, a Flush Valve need only be fitted to one of the pumps in order to keep the station free from sludge.

## GRU Stock Information

### VALVE, FLUSH, FLYGT PUMP

#### Stock Number

000799416

#### Stock Description

For CP, DP, and NP-pumps

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



# Valve, Freeze Protection

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

Invensys Appliace Controls

### Model/Series #

FP-45



## Material Description

Freeze protection valve shall feature a 1/2" threaded (MNPT) positive seal brass inlet fitting, Stainless steel, corrosion resistant, inlet screen, Celcon M-90 ultraviolet stabilized body material, 1/4" NPT plastic pipe discharge port, and a tamper resistant cap.

## Application

Freeze protection valve is designed to open and allow water flow at temperature of 45 deg F to prevent freezing of stationary water in a pipeline.

## GRU Stock Information

### VALVE, FREEZE PROTECTION

#### Stock Number

000040266

#### Stock Description

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Valve, Gate, Bronze, Thread

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Hammond Valve Co         | IB645                 |
| Milwaukee Valve Co       | 105                   |
| NIBCO, Inc               | T113                  |
| Red-White Valve Corp     | 280                   |



## GRU Stock Information

### VALVE, GATE NRS, INSERTED BONNET

| Stock Number | Stock Description |
|--------------|-------------------|
| 000045659    | 3/4"              |
| 000065056    | 1"                |
| 000065455    | 1-1/4"            |
| 000140651    | 1-1/2"            |
| 000208051    | 2"                |
| 000770906    | 3"                |

## Material Description

Gate valve shall be a Class 125 full port, bronze body valve. Gate valve shall be provided with female threaded ends, non rising stem, solid wedge disc, malleable iron handwheel, threaded bonnet, adjustable packing nut, teflon or graphite packing, designed for 200 psi non shock, cold water application.

## Application

For system shut off/on in potable and reclaimed water systems with threaded connections.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B62 - Bronze

MSS SP-80 - Bronze Valves

NSF 61 - Potable Systems

See Appendix A for full description of standards

# Valve, Gate, Iron, Flange

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

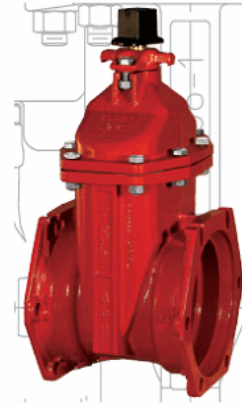
| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Flow Control    | 2500                  |
| Clow Valve Company       | F-6102                |
| Kennedy Valve Co         | KenSeal II RW         |
| M&H Valve Company        | 4067                  |
| Mueller Company          | A-2360-6              |
| US Pipe & Foundry Co     | Metroseal 250         |

## Material Description

Gate valve shall be ductile iron, resilient wedge style. Gate valve shall have an iron body, bonnet, disc and operating nut and be fusion bonded epoxy coated (interior and exterior). The disc shall be fully rubber (nitrile) encapsulated. Gate valve shall have a non-rising stem, O-ring seals, handwheel operator, Class 125 flanged ends and shall be pressure rated to 250 psi. Gate valve shall be furnished less end accessories.

## Application

For system shut off/on in potable and reclaimed water systems with threaded connections with flanged connections.



## GRU Stock Information

### VALVE, GATE DI, FL

| Stock Number | Stock Description |
|--------------|-------------------|
| 000328251    | 3"                |
| 000328359    | 4"                |
| 000328456    | 6"                |
| 000328553    | 8"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C515 - Resilient Seated Gate Valve

NSF 61 - Potable Systems

See Appendix A for full description of standards

# Valve, Gate, Iron, Tapping Style

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Flow Control    | 865                   |
| Clow Valve Company       | F-6114                |
| M&H Valve Company        | 4751-01               |
| US Pipe & Foundry Co     | 5860                  |



## GRU Stock Information

### VALVE, TAPPING

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000183431 | 16" |
| 000624659 | 6"  |
| 000800384 | 8"  |
| 000829153 | 12" |

## Material Description

Gate valve shall be iron (ductile or cast), resilient wedge style conforming to AWWA C509 or AWWA C515 and NSF 61 and suitable for service in domestic potable water systems and designed for use in water main tapping. Gate valve shall have an iron body, bonnet, disc and operating nut and be fusion bonded epoxy coated (interior and exterior). The disc shall be fully rubber (nitrile) encapsulated. Gate valve shall have a non-rising stem, O-ring seals, handwheel operator, machined Class 125 flange on the inlet end, mechanical joint on the outlet end, machined end and shall be pressure rated to 250 psi. Gate valve shall be furnished less end accessories.

## Application

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A-733  
AWWA C509 - Resilient Seated Gate Valves  
AWWA C515 - Resilient Seated Gate Valve  
NSF 61 - Water Systems

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-41.20  
4/11/2023

# Valve, Gate, Resilient, Iron, Thread

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Flow Control    | 2500                  |
| Clow Valve Company       | F-6103                |
| Kennedy Valve Co         | KenSeal II RW         |
| M&H Valve Company        | 4067                  |
| Mueller Company          | A-2360-8              |



## Material Description

Gate valve shall be ductile iron, resilient wedge style. Gate valve shall have an iron body, bonnet, disc and operating nut and be fusion bonded epoxy coated (interior and exterior). The disc shall be fully rubber (nitrile) encapsulated. Gate valve shall have a non-rising stainless steel stem, O-ring seals, 2" square operating nut, female threaded (NPT) ends and shall be pressure rated to 250 psi. Stainless Steel Stem required.

## Application

For system shut off/on in potable and reclaimed water systems with threaded connections.

## GRU Stock Information

### VALVE, GATE RS THREADED, DI BODY

#### Stock Number

000095605

000799165

#### Stock Description

2" w/DI Body

3" w/DI Body

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C509 - Resilient Seated Gate Valves

AWWA C550 - Epoxy Coating

NSF 61 - Potable Water Systems

See Appendix A for full description of standards

# Valve, Gate, Resilient Wedge, FL x FL

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Flow Control    | 2500                  |
| Clow Valve Company       | F-6102                |
| Kennedy Valve Co         | KS-RW 515             |
| M&H Valve Company        | 4067                  |
| Mueller Company          | A-2360-6              |

## Material Description

Resilient wedge, ductile iron gate valve shall have an iron body, bonnet, disc and operating nut and be fusion bonded epoxy coated (interior and exterior). The disc shall be fully rubber (nitrile) encapsulated. Gate valve shall have a non-rising stem, O-ring seals, handwheel operator, Class 125 flanged ends and shall be pressure rated to 250 psi. Gate valve shall be tapped (iron pipe threads) and plugged on inlet and outlet side of valve body for backflow preventer testing.

## Application

Suitable for use in potable water, reclaimed water, and fire protection systems.

## GRU Stock Information

### VALVE, GATE DI FL

#### Stock Number

#### Stock Description

|           |                        |
|-----------|------------------------|
| 000328707 | 3" w/ 1/2" taps (test) |
| 000328758 | 4" w/ 1/2" taps (test) |
| 000328804 | 6" w/ 3/4" taps (test) |
| 000328855 | 8" w/ 3/4" taps (test) |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B18.2.1 - Heads

ASTM A307 - Strength Requirements

ASTM A536 - Ductile Iron

AWWA C515 - Valves

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-41.40  
7/1/2022

# Valve, Gate, Resilient Wedge, MJ x MJ

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Flow Control    | 2500                  |
| Clow Valve Company       | F-6100                |
| Kennedy Valve Co         | KS-RW 515             |
| M&H Valve Company        | 4067                  |
| Mueller Company          | A-2360-20             |

## Material Description

Resilient wedge, ductile iron gate valve shall have an iron body, bonnet, disc and operating nut and be fusion bonded epoxy coated (interior and exterior). The disc shall be fully rubber (nitrile) encapsulated. Gate valve shall have a non-rising stainless steel stem, O-ring seals, 2" square operating nut, mechanical joint ends and shall be pressure rated to 250 psi. Stainless Steel Stem required.

## Application

Suitable for use in potable water, reclaimed water and fire protection systems.

## GRU Stock Information

### VALVE, GATE DI

#### Stock Number

#### Stock Description

|           |     |
|-----------|-----|
| 000284556 | 8"  |
| 000565903 | 6"  |
| 000625507 | 12" |
| 000664057 | 4"  |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16-5 - Flange Gaskets  
ASTM A307 - Strength Requirements  
ASTM A536 - Ductile Iron  
AWWA C515 - Valves

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-41.45  
4/9/2024

# Valve, Plug, Ballcentric, 8" DIA

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Henry Pratt Company



## GRU Stock Information

### VALVE, PLUG, BALLCENTRIC

#### Stock Number

000799424

#### Stock Description

8"

## Material Description

Ballcentric plug valves shall be of the non-lubricating, eccentric type and shall be designed for a working pressure of 175 psi for 8" valves. Valves shall provide tight shut-off at rated pressure. Round port design, mechanical joint ends.

## Application

For use in pressurized wastewater systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI A21.11 - MJ Ends

ASTM A126 - Iron Body (Class B)

ASTM A536 - DI Plug

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-43.00

7/1/2022



# Valve, Plug, FL x FL, Eccentric, Direct Actuator

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Clow Valve Company       | F5412                 |
| DeZurik                  | PEC,*,F1,C1,NBR*      |
| Milliken Valve Company   | 601                   |



## GRU Stock Information

### VALVE, PLUG

| Stock Number | Stock Description |
|--------------|-------------------|
| 000151408    | 8"                |
| 000215953    | 6"                |
| 000259454    | 4"                |

## Material Description

Plug valve shall be non-lubricated, eccentric type with a minimum port opening of 100% suitable for use in domestic wastewater systems. Plug valve shall have an cast iron body, a welded nickel seat, fully elastomeric (nitrile or NBR) encapsulated iron plug, direct actuator with 2" square operating nut, 125 lb flanged ends, rated for 150 psi working pressure, and fusion bonded epoxy coating on interior (min. 20 mil thickness) and exterior surfaces. Specify fusion bonded epoxy coating.

## Application

For use in pressurized wastewater systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanges

ASTM A-733

ASTM A126 - Iron Body (Class B)

See Appendix A for full description of standards

# Valve, Plug, FL x FL, Eccentric, Gear Actuator

## Material Item Approved for Use In

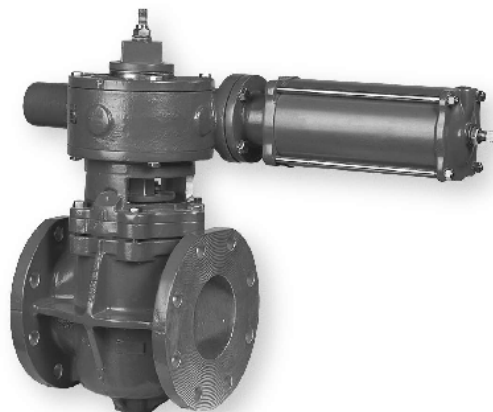
Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Clow Valve Company       | F5412                 |
| DeZurik                  | 118-F1                |
| Milliken Valve Company   | 601                   |



## Material Description

Plug valve shall be non-lubricated, eccentric type with a minimum port opening of 80% suitable for use in domestic wastewater systems. Plug valve shall have an iron body, a welded nickel seat, fully elastomeric (nitrile) encapsulated iron plug, worm gear actuator with handwheel operator, 125 lb flanged ends, rated for 150 psi working pressure, and fusion bonded epoxy coating on interior (min. 20 mil thickness) and exterior surfaces.

## Application

For use in pressurized wastewater systems.

## GRU Stock Information

### VALVE, PLUG

| Stock Number | Stock Description |
|--------------|-------------------|
| 000067806    | 12"               |
| 000137731    | 16"               |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanges

ASTM A126 - Iron Body (Class B)

See Appendix A for full description of standards

# Valve, Plug, MJ x MJ Eccentric, Gear Actuator

## Material Item Approved for Use In

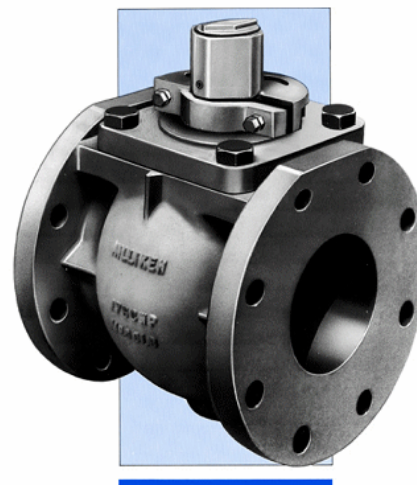
Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| Manufacturer Name      | Model/Series # |
|------------------------|----------------|
| Clow Valve Company     | M5413          |
| DeZurik                | 118-M          |
| Milliken Valve Company | 600            |



## GRU Stock Information

### VALVE, PLUG, ROUND PORT

| Stock Number | Stock Description |
|--------------|-------------------|
| 000148954    | 10"               |
| 000149004    | 12"               |
| 000149101    | 16"               |

## Material Description

Plug valve shall be non-lubricated, eccentric type with a minimum port opening of 80% suitable for use in domestic wastewater systems. Plug valve shall have an iron body, a welded nickel seat, fully elastomeric (nitrile) encapsulated iron plug, worm gear actuator with 2" square operating nut, mechanical joint ends, rated for 150 psi working pressure, and 12 mil thick fusion bonded epoxy coating on interior and exterior surfaces.

## Application

For use in pressurized wastewater systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI A21.11 - MJ Ends

ASTM A126 - Iron Body (Class B)

See Appendix A for full description of standards

# Valve, Plug, MJ x MJ, Eccentric, Direct Actuator

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Clow Valve Company       | M5413                 |
| DeZurik                  | 118-MJ                |
| Henry Pratt Company      |                       |
| Milliken Valve Company   | 600                   |



## Material Description

Plug valve shall be non-lubricated, eccentric type with a minimum port opening of 80% suitable for use in domestic wastewater systems. Plug valve shall have an iron body, a welded nickel seat, fully elastomeric (nitrile) encapsulated iron plug, direct actuator with 2" square operating nut, mechanical joint ends, rated for 150 psi working pressure, and fusion bonded epoxy coating on interior (min.12 mil thickness) and exterior surfaces.

## Application

For use in pressurized wastewater systems. 8" round port also available - see sheet V-43.00.

## GRU Stock Information

### VALVE, PLUG

| Stock Number | Stock Description |
|--------------|-------------------|
| 000148806    | 4"                |
| 000148857    | 6"                |
| 000148903    | 8"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI A21.11 - MJ Ends

ASTM A126 - Iron Body (Class B)

See Appendix A for full description of standards

# Valve, Pressure Reducing, Iron, Flange

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

Cla-Val

### Model/Series #

90-01



## Material Description

Pressure reducing valve with ductile iron body & flanged ends.  
Pressure rated to 150-200 psi at inlet, and 25-75 psi at outlet.

## Application

For reducing higher inlet pressure to a steady lower downstream pressure in potable water systems.

## GRU Stock Information

### VALVE, PRESSURE REGULATOR

#### Stock Number

#### Stock Description

|           |    |
|-----------|----|
| 000680907 | 3" |
| 000680958 | 4" |
| 000681008 | 6" |
| 000681059 | 8" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A216-WCB - Cast Steel

ASTM A536 - Ductile Iron

ASTM B62 - Bronze

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-44.10  
7/1/2022

# Valve, Pressure Vacuum Breaker

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

### Manufacturer Name

FEBCO

### Model/Series #

765

## Material Description

Pressure vacuum breaker with 3/4" and 1" stainless steel or bronze check valve, bronze body. Valves shall be American made approved resilient seated full flow shut off. Test cocks shall be resilient seated bronze ball valves.

## Application

Prevention of backsiphonage in water system applications.

## GRU Stock Information

### VALVE, VACUUM BREAKER

#### Stock Number

000359351

000359408

000359459

000359505

#### Stock Description

3/4"

1"

1-1/2"

2"

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B1.20.1 - End Connections

NSF 61 - Health Standards

See Appendix A for full description of standards

# Valve, Swing Check, FL x FL

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| American Valve, Inc      | 41                    |
| GA Industries, Inc       | 250-D                 |

## Material Description

Check valve shall be swing type, gravity operated, have an iron body and disc, bronze disc seat, stainless steel hinge pin, and Class 125 flanged ends. Hinge pin shall extend from both sides of valve so that the lever and weight can be installed on either side of the valve without accessing the valve body. Check valve shall be pressure rated to 175 psi.

## Application

For use in wastewater systems.

## GRU Stock Information

### VALVE, SWING CHECK CI

| Stock Number | Stock Description |
|--------------|-------------------|
| 000028703    | 10"               |
| 000264407    | 3"                |
| 000742309    | 8"                |
| 000793051    | 6"                |
| 000862053    | 4"                |

\*For GRU use only: an X indicates item is stockless

## National Standards

ANSI B16.1 - Flanged Ends & Drilling

AWWA C503 - Lever & Weight Components

See Appendix A for full description of standards

# Valve, Straight Ball Yoke

## Material Item Approved for Use In

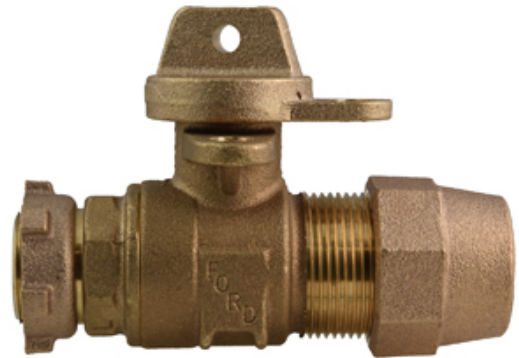
Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 76100M-NL             |
| Ford Meter Box Company, Inc. | B94-324W-G-NL         |
| Ford Meter Box Company, Inc. | B94-344W-G-NL         |
| Mueller Company              | P-24350N              |



## GRU Stock Information

### VALVE, STRAIGHT BALL YOKE

#### Stock Number

#### Stock Description

|           |      |
|-----------|------|
| 000803219 | 3/4" |
| 000803227 | 1"   |

## Material Description

The product has the letters "NL" cast into the main body for lead free identification. Padlock wing for locking valve in closed position. 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 handle is provided in the tee-hand. 300 PSI working pressure.

## Application

Grip joint for copper or plastic tubing. Inlet by meter yoke nose outlet.

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B584 - Brass  
ASTM B62 - Bronze  
NSF 61 - Potable Water

See Appendix A for full description of standards



# VALVE, ANGLE BALL YOKE X GRIP JOINT

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74602B                |
| Ford Meter Box Company, Inc. | BA94-xxxW-G-NL        |
| Mueller Company              | B-24266N              |



## GRU Stock Information

### VALVE, ANGLE BALL YOKE X GRIP JOINT

#### Stock Number

#### Stock Description

000802549

3/4"

000803251

1"

## Material Description

Angle ball yoke x grip joint valve, 1" - inlet end is grip joint, outlet end is meter yoke, both are 1".

## Application

1" meter yoke assemblies

## National Standards

ASTM B584 - Brass

ASTM B62 - Bronze

AWWA C800 - Brass

\*For GRU use only: an X indicates item is stockless

See Appendix A for full description of standards

# Vault, Meter, Fiberglass

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

CDR Systems Corp.

### Model/Series #

SP-H



## Material Description

72" x 72", 72" x 144" and 78" x 96" vaults are manufactured of fiberglass reinforced polymer concrete top collars and bottom collars with a fiberglass-corrugated wall for superior strength. The polymer concrete tops have a 2 piece FRP grate installed with stainless steel clips, bolts and threaded inserts. This enables the grate to be easily removed and reinstalled. The bottom collar, corrugated walls and top collar are a monolithic product.

## Application

Underground housing for meter banks of significant size and/or area.

## GRU Stock Information

### VAULT, METER

#### Stock Number

000801151

000801208

000802913

#### Stock Description

6' x 12'

6' x 6'

6.5 X 8'

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM C857 - Vault Loading

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

V-53.00

7/1/2022

# Washer, Flat, Zinc Coated

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market

## Material Description

Washer shall be standard, zinc coated flat type washer. Pack washers in 100 ct. package

## Application

For use with bolts.

## GRU Stock Information

**WASHER, FLAT ZINC COATED 3/4"**

**Stock Number**

000312096

**Stock Description**

3/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM F2329 - Zinc Coating

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**W-10.00  
7/1/2022**

# Washer, Lock, Zinc Coated

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Washer shall be standard, zinc coated lock type washer.

## Application

For use with bolts.

## GRU Stock Information

**WASHER, LOCK ZINC COATED 3/4"**

### Stock Number

000312142

### Stock Description

3/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM F2329 - Zinc Coating

See Appendix A for full description of standards



**Water, Wastewater, and Reclaimed Water  
Material Standards**

**W-11.00  
7/1/2022**

# Washer, Socket Clamp

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u> | <u>Model/Series #</u> |
|--------------------------|-----------------------|
| Sigma Corp               | N/A                   |
| Trumbull Industries      | N/A                   |

## Material Description

Cast iron socket clamp washer with black or galvanized finish. Two clamp washers are furnished with each socket clamp.

## Application

Socket clamp washer designed for socket clamps & tie rods

## GRU Stock Information

### WASHER, SOCKET CLAMP 3/4"

#### Stock Number

000003751

#### Stock Description

3/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized Coating

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

W-12.00  
7/1/2022

# Washer, Square, Galvanized

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

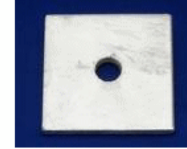
Reclaimed Water System: ☒

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Square washers; hot dip galvanized 3/16" thick. Hole diameter shall be 13 / 16".

## Application

For use with 3/4" bolts.

## GRU Stock Information

### WASHER, SQ, GAL

#### Stock Number

000332925

000718106

#### Stock Description

4" x 4"

2-1/4" x 2-1/4"

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM A153 - Galvanized Coating

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

W-13.00  
7/1/2022

# Washer, Water Meter

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| Manufacturer Name            | Model/Series # |
|------------------------------|----------------|
| AY McDonald Mfg Company      |                |
| Ford Meter Box Company, Inc. | GT118 RUBBER   |
| Mueller Company              | 500845 RUBBER  |



## Material Description

Washer for water meter; material: leather/fiber/rubber. Pack washers in 100 ct. package

## Application

Water meter gaskets for water meter installation & connection sealing.

## GRU Stock Information

### WASHER, WATER MTR

| Stock Number | Stock Description         |
|--------------|---------------------------|
| 000059609    | 1/8" x 5/8" rubber - yoke |
| 000059706    | 1/8" x 3/4" rubber        |
| 000149292    | 1/16" x 3/4" fiber        |
| 000149306    | 1/8" x 5/8" leather       |
| 000149349    | 1/32" x 3/4" fiber        |
| 000149357    | 1/8" x 5/8" fiber         |
| 000149403    | 1/8" x 3/4" leather       |
| 000149446    | 1/8" x 3/4" rubber-yoke   |
| 000802417    | 1/8" x 1" rubber-bevel    |
| 000802468    | 1/8" x 1" rubber-flat     |
| 000802514    | 1/8" x 1" rubber-couple   |
| 000802565    | 1/16" x 1" fiber          |
| 000802611    | 1/32" x 1" fiber          |

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Wire, Tracer

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☒

Reclaimed Water System: ☒

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Copperhead Industries

1245x-EHS-xxx

Pro-Line

HF-CCS PE45



## Material Description

Flexible, copper-clad steel tracer wire.  
Used for tracer wire applications not exceeding 30 volts.

## Application

Tracer wire is used to conductively locate buried utility lines for water, sewer, and reclaimed.

## GRU Stock Information

### WIRE, TRACER

#### Stock Number

#### Stock Description

802786

Blue

802832

Green

802883

Purple

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM B1010

ASTM B170 - Oxygen-Free Electrolytic Copper

ASTM B227

See Appendix A for full description of standards



# Wye, DI, P401 lined, MJ

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

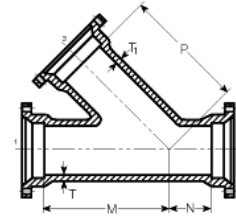
Reclaimed Water System: ☐

## Approved Manufacturers

Manufacturer Name

Model/Series #

Open Market



## Material Description

Ceramic epoxy Protecto 401 lined ductile iron wye with mechanical joint connections. Coal tar epoxy: inside coating @ 40-50 mils d.f.t. - 85% solids by volume stenciling/mils required by mfr; bituminous coating: outside only; ends: less accessories. Ends shall be MJ x MJ x MJ.

## Application

For use in wastewater systems with mechanical joint connections.

## GRU Stock Information

WYE, DI MJ- MJ- MJ

### Stock Number

### Stock Description

|           |           |
|-----------|-----------|
| 000003913 | 6"        |
| 000801194 | 8" x 8"   |
| 000801402 | 6" x 4"   |
| 000801534 | 12" x 4"  |
| 000801542 | 16" x 16" |
| 000801801 | 8" x 12"  |
| 000803065 | 8" x 6"   |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C110 - Ductile Iron

AWWA C111 - Rubber Gaskets

AWWA C153 - Ductile Iron

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

W-30.00  
7/1/2022

# Wye, PVC, SDR 26, S x H x H

## Material Item Approved for Use In

Water System: ☐

Wastewater System: ☒

Reclaimed Water System: ☐

## Approved Manufacturers

### Manufacturer Name

### Model/Series #

Harco / Harrington Corp

202

Plastic Trends, Inc

G - SxHxH



## Material Description

SDR-26 PVC wye with spigot x gasket x gasket configurations.  
Note: all size fittings shall be one piece-molded construction only. Reduced piping and extensions are not acceptable.

## Application

Wye pipe configuration, joining spigot & gasketed piping, for wastewater systems.

## GRU Stock Information

### WYE, PVC SDR-26 S x H x H

#### Stock Number

#### Stock Description

|           |          |
|-----------|----------|
| 000133655 | 4" x 4"  |
| 000133957 | 6" x 4"  |
| 000134252 | 6" x 6"  |
| 000134457 | 8" x 4"  |
| 000134759 | 8" x 6"  |
| 000798916 | 12" x 4" |
| 000798967 | 12" x 6" |

\*For GRU use only: an X indicates item is stockless

## National Standards

ASTM D1784 - PVC

ASTM D3034 - Fittings

ASTM D3212 - Joints

ASTM F477 - Gaskets

See Appendix A for full description of standards

# WYE, GRIP JOINT BRANCH

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 708YSGG               |
| Ford Meter Box Company, Inc. | Y44-274-G-NL          |
| Ford Meter Box Company, Inc. | Y44-244--NL           |
| Mueller Company              | H-15343N              |



## GRU Stock Information

### Stock Number

### Stock Description

802336

2"

803413

1"

## Material Description

## Application

Grip joint for copper or plastic tubing (CTS) both ends.

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

W-35.00  
4/17/2024

# Wye, Multi-Service

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☐



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 74765 2x1             |
| Ford Meter Box Company, Inc. | Y11-474-NL            |
| Mueller Company              | H-15355               |

## GRU Stock Information

### Stock Number

802433

### Stock Description

2"

## Material Description

\*For GRU use only: an X indicates item is stockless

## Application

## National Standards

See Appendix A for full description of standards

# Yoke Bar, Iron

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 14-*                  |
| Ford Meter Box Company, Inc. | Y-502/Y504            |
| Mueller Company              | H-5000                |



## GRU Stock Information

### YOKE, MTR

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000785008 | 5/8" x 3/4" |
| 000785059 | 3/4"        |
| 000835552 | 1"          |

## Material Description

Yoke bar shall be cast iron. Yoke bar shall be coated with manufacturer's standard coating.

## Application

I-beam bar designed for service with a meter yoke (ball) valve, expansion connector and yoke coupling to set domestic water meters.

\*For GRU use only: an X indicates item is stockless

## National Standards

See Appendix A for full description of standards

# Yoke Coupling

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 4754Y                 |
| Ford Meter Box Company, Inc. | C91-**-NL             |
| Mueller Company              | H-14219               |

## Material Description

Coupling shall be straight style, brass coupling. Coupling shall feature a swivel star nut connector on the inlet end and threads (FNPT) on the outlet end.

## Application

For use in yoke assemblies for water meter services.

## GRU Stock Information

### YOKE, MTR END CONN

#### Stock Number

#### Stock Description

|           |                            |
|-----------|----------------------------|
| 000418307 | 3/4" (works w/ 5/8" meters |
| 000418455 | 1"                         |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Couplings

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

Y-12.00  
7/1/2022

# Yoke Valve, Ball

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒

## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 6101MW                |
| Ford Meter Box Company, Inc. | B91-XXX-W-NL          |
| Mueller Company              | B-24360               |



## GRU Stock Information

### YOKE, MTR BALL VALVE WATER

#### Stock Number

#### Stock Description

|           |             |
|-----------|-------------|
| 000183415 | 3/4"        |
| 000351091 | 5/8" x 3/4" |
| 000351245 | 1"          |

## Material Description

Yoke valve shall be straight, full-port, ball type, brass valve with a brass or teflon ball. Ball valve shall be 1/4 turn and shall feature a locking wing. Ball valve shall be threaded (FNPT) on the inlet end and equipped with a swivel star nut on the outlet end. Ball valve shall be pressure rated to 300 psi.

## Application

Suitable for use with water meter yoke assemblies in domestic water systems.

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Ball Valves

See Appendix A for full description of standards

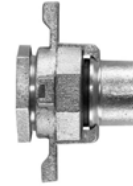
# Yoke, Expansion, Connector

## Material Item Approved for Use In

Water System: ☒

Wastewater System: ☐

Reclaimed Water System: ☒



## Approved Manufacturers

| <u>Manufacturer Name</u>     | <u>Model/Series #</u> |
|------------------------------|-----------------------|
| AY McDonald Mfg Company      | 14-*E                 |
| Ford Meter Box Company, Inc. | EC-XX-NL              |
| Mueller Company              | H-14234               |

## Material Description

Expansion connector shall be brass, handwheel type. Expansion connector shall three-piece, O-ring sealed.

## Application

For use in setting domestic water meters in iron yoke assemblies.

## GRU Stock Information

### YOKE, MTR EXPANSION CONN

#### Stock Number

#### Stock Description

|           |                            |
|-----------|----------------------------|
| 000501158 | 3/4" (works w/ 5/8" meters |
| 000501204 | 1"                         |

\*For GRU use only: an X indicates item is stockless

## National Standards

AWWA C800 - Expansion Connector

See Appendix A for full description of standards



Water, Wastewater, and Reclaimed Water  
Material Standards

Y-14.00  
7/1/2022