

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Pipe: DI, Push-on Joint, Asphaltic-coated, 4" - 54" (for main repairs)				
	Pipe: ANSI/AWWA C151 Wall thickness: Class 52, min, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C151 (asphaltic) Joints: ANSI/AWWA C111, rubber gasket	American Pipe: Fastite Joint U.S. Pipe and Griffin Pipe: Tyton Joint McWane Group (Tyler, Union and Clow): Fastite or Tyton Joint	02610	5924
Pipe: DI, Push-on Joint, Zinc-coated, 4" - 54"				
	Pipe: ANSI/AWWA C151 Wall thickness: Class 52, min, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: Arc-sprayed zinc at a mass of 200g/m ² of pipe area, ISO-8179-1 base coat, Shop-applied bituminous finish top coat Joints: ANSI/AWWA C111, rubber gasket Markings: Factory applied exterior marking indicating zinc-coated	American Pipe: Fastite Joint U.S. Pipe and Griffin Pipe: Tyton Joint McWane Group (Tyler, Union and Clow): Fastite or Tyton Joint	02610	
Pipe: DI, Restrained Joint, Zinc-coated, 4" - 36"				
	Pipe: Applicable requirements of ANSI/AWWA C151 Wall thickness: Class 52, min, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: Arc-sprayed zinc at a mass of 200g/m ² of pipe area, ISO-8179-1 base coat, Shop-applied bituminous finish top coat Joints: Applicable requirements of ANSI/AWWA C111, rubber gasket Restraint Mechanism: Boltless, ductile iron wedges or segments Retainer Bead/Ring: Factory-applied	American Pipe: Flex-Ring U.S. Pipe and Griffin Pipe: TR-Flex, up to 36" or HP-Lok, 30" - 36" McWane Group (Tyler, Union and Clow): TR-Flex	02610	5924
Pipe: DI, Restrained Joint, Zinc-coated, 42" - 54"				
	Pipe: Applicable requirements of ANSI/AWWA C151 Wall thickness: Class 52, min, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: Arc-sprayed zinc at a mass of 200g/m ² of pipe area, ISO-8179-1 base coat, Shop-applied bituminous finish top coat Joints: Applicable requirements of ANSI/AWWA C111, rubber gasket Restraint Mechanism: Boltless, ductile iron wedges or segments Retainer Bead/Ring: Factory-applied	American Pipe: Flex-Ring U.S. Pipe and Griffin Pipe: HP-Lok	02610	
Zinc-Rich Primer for Zinc Coating Repair				
	Color: Gray Zinc Content: 85% - 88% by weight in dried film Volume Solids: 63% - 69%	Sherwin Williams Company: Corothane® Galvapac 1k Zinc Primer Tnemec Compnay: Tneme-Zinc Series 90-98	02610	
Push-on Joint Restraints for 4" - 12" ductile iron pipe				
	Working Pressure: 250 psi Restraint Mechanism: Stainless steel locking segments, vulcanized into gasket, capable of being disassembled Gasket: ANSI/AWWA C111	U.S. Pipe: Field-Lok 350 Gasket American Pipe: Fast Grip Gasket	02610	
Pipe: DI, Anchor, Cast Ring, 4"x13", 6"x12", 6"x13", 6"x18", 6"x24", 8"x12" and 12"x13"				
	Fitting: ANSI/AWWA C110 or C153 Wall thickness: 4" - 0.52", 6" - 0.37", 8" - 0.39" and 12" - 0.75", minimum, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C151, asphaltic Joints: ANSI/AWWA C111, rubber gasket, mechanical joint Solid gland cast integrally with pipe by swivel gland Glands: Ductile iron Ring: Solid ring cast integrally with pipe Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated	McWane Group (Tyler, Union and Clow): Swivel by Solid Adapter, Swivel by Swivel Adapter	02610	5918

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Pipe: DI, Anchor, Welded Ring, 4" greater than 13" LL, 6" greater than 36" LL, 8" greater than 18" LL and 12" greater than 13" LL			02610	5918
	Pipe: ANSI/AWWA C151 Wall thickness: Class 54, min, unless otherwise specified Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C151, asphaltic Joints: ANSI/AWWA C111, rubber gasket, mechanical joint Solid gland by swivel gland Glands: Ductile iron Ring: 1/2" x 1/2" solid ring of ASTM A-536 ductile iron on joint side of gland Fusion welded with AWS 5.15 ENiFeMN-CI (NI ROD 44) Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated	Higgins Engineering, Inc: DI Anchor Coupling, Swivel by Swivel		
Fittings: DI, Mechanical Joint, Asphaltic-coated, 4" - 48" (Bends, Reducers, Tees, Tapped Tees, Solid Sleeves, End Caps and Plugs)			02610	5901
	Dimensions: ANSI/AWWA C110 or C153 Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C110 & C153, asphaltic Joints: ANSI/AWWA C111, rubber gasket, mechanical joint Body & Glands: Ductile iron Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated	US Pipe American Pipe McWane Group (Tyler, Union and Clow) Star Pipe Products		
Fittings: DI, Restrained Joint, Asphaltic-coated, 4" - 48" (Bends)			02610	
	Dimensions: ANSI/AWWA C110 or C153 Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C151, asphaltic Joints: ANSI/AWWA C111, rubber gasket Body and Glands: Ductile iron Restraint Mechanism: Boltless, ductile iron wedges or segments Retainer Bead/Ring: Factory-applied to restrained joint pipe	American Pipe: Flex-Ring U.S. Pipe and Griffin Pipe: TR-Flex, up to 36" or HP-Lok, 30" - 48" McWane Group (Tyler, Union and Clow): TR-Flex, up to 36"		
Fittings: DI, Anchor Tee and Anchor Elbow			02655	5901
	Dimensions: ANSI/AWWA C110 or C153 Lining: ANSI/AWWA C104, cement Exterior Coating: ANSI/AWWA C151, asphaltic Joints: ANSI/AWWA C111, rubber gasket, mechanical joint MJxMJxSwivel Tee, MJ x Swivel Elbow Body and Glands: Ductile iron Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated	McWane Group (Tyler, Union and Clow): MJ x MJ x Swivel Tee, MJ x Swivel Tee, Swivel x Swivel Hydrant Ell, 90° Swivel x Swivel Bends		
MJ Restraint Gland, 4"-12" for temporary restraint only - permanent restraint must be provided by thrust blocks or other means			02610	5913
	Dimensions: ANSI/AWWA C110 or C153 Working Pressure: 350 psi Lining: Epoxy or electrostatically-applied, heat-cured polyester Exterior Coating: Epoxy or electrostatically-applied, heat-cured polyester Gland: Ductile iron, ASTM 536 Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated T-bolts Restraint Mechanism: Multiple ductile iron gripping wedges incorporated into the gland; wedges must be heat-treated to a minimum hardness of 370 BHN with twist-off activation nuts, capable of being disassembled Gaskets: ANSI/AWWA C111	Ford: Uni-flange Series 1400 EBBA Iron, Inc: Mega-Lug Series 1100		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
MJ Adapters, MJ Bell to MJ Bell Connector (with restraint), 3" - 36"				
	Dimensions: ANSI/AWWA C110 or C153 Working Pressure: 3"-24": 350psi rating, 30" - 36": 250psi rating Lining: ANSI/AWWA C116, Epoxy Exterior Coating: ANSI/AWWA C116, Epoxy Ends: Male x male with bolt-through center ring on body Bolts and Nuts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gaskets: ANSI/AWWA C111, SBR	Infact Corporation: Foster Adaptor®	02610	
Flanged Coupling Adapters				
	Material (Body & End Ring): Ductile iron (ASTM A536) or Steel (ANSI/AWWA C219) Coating: Fusion-bonded epoxy Flange: ANSI/AWWA C207, Class B, ASME B16.1 Class 125 or ASME B16.5 Class 150 Flange O-ring: Nitrile (Buna-N / NBR) Restraint Design: No anchor studs or pins Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gasket: SBR or Nitrile (Buna-N / NBR)	Ford: FCA Smith-Blair: 912 or 913 JCM: 301 (4" - 12" only) Romac: FC400 (14" and larger)	02655	5935
Polyethylene Encasement				
	Film: Virgin material, ANSI/AWWA C105 Tube: Extruded linear low density polyethylene (LLDPE) film Thickness: 8 mils Color: Weather-resistant black containing not less than 2% carbon black Markings: ANSI/AWWA C105	Trumbull Industries, Inc.: Polyethylene Encasement Tubing for DIP Repor, Inc.	02610	
Polyethylene Encasement - V-Bio® Enhanced				
	Film: Virgin material, ANSI/AWWA C105 Tube: 3 layers of co-extruded linear low density polyethylene (LLDPE) film Thickness: 8 mils Color: White Markings: ANSI/AWWA C105 V-Bio® Enhancement: Inside surface infused with an anti-microbial additive and a volatile galvanic corrosion inhibitor	American Pipe: V-Bio® Enhanced Polywrap US Pipe: V-Bio® Enhanced Polywrap McWane: V-Bio® Enhanced polyethylene encasement and corrosion control	02610	
Polyethylene Encasement Tape				
	Type: Adhesive tape Width: 2" Backing: Plastic	Polyken: Polyken #900 3M: Scotchwrap # 50	02610	
Copper Service Tubing: 3/4", 1", 1-1/2" and 2"				
	Material: ASTM B88, Type K (seamless, virgin copper) Dimensions: ANSI/AWWA C800, Appendix A.2	Great Lakes Copper, Inc. Cambridge-Lee Industries, Inc. Wieland Copper Products, LLC.	02630	5902
Polyethylene Service Tubing: 1", 1-1/2" and 2"				
	Material: Virgin PE meeting AWWA C901, PE4710, SDR-9, Oxidative Resistance Categorization CC2 or CC3, and color and UV stabilizer code C or code E in accordance with ASTM D3350 and AWWA C901 Dimensions: ANSI/AWWA C901, Table 5 outside diameter (CTS PE tubing OD - controlled diameter) Working Pressure: 250 psi Color: Blue or Black with Blue Stripe Markings: ANSI/AWWA C901	Endot Industries: Endopure JM Eagle Charter Plastics	02630	5903

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Brass (bronze) Tubing: 1" - 2" for manual air releases and blow-offs			02655	5931
	Material: Brass pipe per ASTM B43, 125 pounds, IPS threads Fittings: ASTM B62			5932
Tracing Wire for plastic services, PVC or HDPE water main			02630	
	Material: 12 AWG, copper-clad steel wire Core Material: AISI 1055 steel Conductivity: 21% minimum Break Load: 1,150 pounds minimum Exterior Coating: 45 mil high-density, high molecular weight polyethylene Color: Blue	Kris-Tech Wire: Copper-clad steel tracer wire, EHS (extra high strength) for 600V - must request high-density, high molecular weight polyethylene coating Pro-Line Safety Products: PROTRACE HDD-CCS PE45 Copperhead Industries: Soloshot Part #1245 EHS		
Corporation Stops, 3/4" and 1" non-insulated, for plastic services, air releases and blow-offs (& disinfection/BO/sampling taps if not used for a service) - 3/4" corporations are not acceptable for new services			02630	5919
	Body Material: No-lead brass, copper alloy CDA/UNS C89833, C89836 or C89520, in accordance with the chemical and physical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Valve: Ball with full-port opening, 1/4 turn (90°) to full close or open Working Pressure: 300 psi Inlet: AWWA CC threads Outlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, FIP, or MIP as required by use	COMPRESSION OUTLET: AY McDonald: 74701BQ Ford: FB1000-3-Q-NL, FB1000-4-Q-NL Mueller: B-25008N FIP or MIP OUTLET: AY McDonald: 73128B, 73148B Ford: FB400-3-NL, FB400-4-NL, FB1600-3-NL, FB1600-4-NL Mueller: B-2996N, B-20045N		
Corporation Stops, 1-1/2", 1-1/2" x 2" and 2" non-insulated, for plastic services, air releases and blow-offs (& disinfection/BO/sampling taps if not used for a service)			02630	5919
	Body Material: No-lead brass, copper alloy CDA/UNS C89833, C89836 or C89520, in accordance with the chemical and physical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Valve: Ball with full-port opening, 1/4 turn (90°) to full close or open Working Pressure: 300 psi Inlet: AWWA CC threads Outlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, FIP, or MIP as required by use	COMPRESSION OUTLET: AY McDonald: 74701BQ Ford: FB1000-6-Q-NL, FB-1000-7-Q-NL Mueller: B-25008N FIP or MIP OUTLET: AY McDonald: 73128B, 73148B, 73121B Ford: FB400-6-NL, FB400-7-NL, FB400-67-NL, FB1600-6-NL, FB1600-67-NL & FB1600-7-NL Mueller: B-2996N, B-20045N		
Corporation Stops, 3/4", 1", 1-1/2", 1-1/2" x 2" and 2" insulated for copper services on DI, CI or steel pipe (disinfection/BO/Sampling taps if used for a service)			02630	
	Body Material: No-lead brass, copper alloy CDA/UNS C89833, C89836 or C89520, in accordance with the chemical and physical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Valve: Ball with full-port opening, 1/4 turn (90°) to full close or open Working Pressure: 300 psi Inlet: AWWA CC threads Outlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, FIP, or MIP as required by use	COMPRESSION OUTLET (3/4" and 1"): AY McDonald: 74701BDBQ Mueller: N-35008N FIP or MIP OUTLET (1-1/2", 1-1/2" x 2" and 2") Mueller: N-30045N		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Curb Stops, 3/4", 1", 1-1/2" and 2", and self-draining curb stops for blow-offs and manual air releases			02630	5928
	<p>Body Material: No-lead brass, copper alloy CDA/UNS C89833, C89836 or C89520, in accordance with the chemical and physical requirements of ASTM B584</p> <p>Other Material/Dimensions: ANSI/AWWA C800</p> <p>Valve: Ball with full-port opening, 1/4 turn (90°) to full close or open</p> <p>Working Pressure: 300 psi</p> <p>Inlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, FIP, or MIP as required by use</p> <p>Outlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, pack compression (for use with galvanized pipe only), FIP or MIP, as required by use</p>	<p>COMPRESSION INLET /OUTLET: AY McDonald: 76100Q Ford: B44-333-Q-NL, B44-444-Q-NL, B44-666-Q-NL, B44-777-Q-NL Mueller: B-25209N</p> <p>COMPRESSION INLET/OUTLET (Self draining for blow-offs & air releases): AY McDonald: 76000Q Ford: BC44-444SW-Q-NL, B44-777SW-Q-NL</p> <p>COMPRESSION INLET by FIP or MIP OUTLET and FIP or MIP INLET by COMPRESSION OUTLET: AY McDonald: 76102Q Ford: B41-333-Q-NL, B41-444-Q-NL, B84-333-Q-NL, B84-444-Q-NL, B41-666-Q-NL, B41-777-Q-NL, B84-666-Q-NL, B84-777-Q-NL Mueller: B-25172N, B25122N</p> <p>FIP or MIP INLET/OUTLET: AY McDonald: 76101, 76107, 76107P Ford: B11-333-NL, B11-444-NL, B11-666-NL, B11-777-NL B81-333-NL, B81-444-NL, B81-666-NL, B81-777-NL B88-333-NL, B88-444-NL, B88-666-NL, B88-777-NL Mueller: B-20283N, B-20285N, B-20276N</p> <p>COMPRESSION INLET by PACK OUTLET: AY McDonald: 76100Q-55</p>		
Curb Boxes and Curb Rods, 1-1/4"			02630	5909
	<p>Curb box: Arch pattern extension type with a 5-1/2 foot bury, 66" max extended length and compressed minimum length of 54"</p> <p>Curb box rod: Stainless steel, minimum 1/2" outside diameter by 42" length, "S" type, bottom clamp / yoke of stainless steel, welded on rod and drilled for cotter pin. Brass or stainless steel cotter pin.</p> <p>Curb box lid: Cast iron tapped with 1-1/4" with brass pentagon nut plug. "WATER" cast in lid.</p> <p>Curb box bottom: Arch must fit 3/4" and 1" ball valve curb stop with 1-1/4" upper section</p>	<p>Curb Box: Ford: EA2-55-50 with PL lid and stationary rod AY McDonald: 5604, with 5614L lid and 5660SS rod Mueller: H-10306-66 with 89369 Lid</p> <p>Curb Rod : AY McDonald Ford Mueller Sigma Bingham & Taylor</p>		
Curb Box - enlarged base			02630	5910
	<p>Base: Adaptable with lower section of 1-1/4" arch pattern curb boxes and sized to fit over 1-1/2" and 2" ball curb stops</p>	<p>Bibby-Ste. Croix: V313 (non-USA produced) Ford: CB-7 AY McDonald: 5700E Mueller: H-10310 Bingham & Taylor: 4980 No. 14-E</p>		
Curb Rod, 1-1/4" for replacement or repair				5909
	<p>Curb box repair rod: Stainless steel, minimum 1/2" outside diameter by 24" length, "S" type, bottom clamp / yoke of stainless steel, welded on rod and drilled for cotter pin. Brass or stainless steel cotter pin.</p>	<p>Curb Rod : AY McDonald Ford Mueller Sigma Bingham & Taylor</p>		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Curb Box Lid for replacement or repair				
	Curb box lid: Cast iron tapped with 1-1/4" with brass pentagon nut plug. "WATER" cast in lid.	AY McDonald 1" Upper Section: 5607L 1-1/4" Upper Section: 5614L 2" Upper Section: 5624L Ford 1" Upper Section: PS-LID 1-1/4" Upper Section: PL-LID Mueller 1" Upper Section: 89376 1-1/4" Upper Section: 89369 2" Upper Section: 89981		5923
Curb Box - Buffalo style top section for replacement or repair				
	Curb box top section: 2-1/2" x 24" lengths Curb box cover: Attached to top section with standard AWWA Pentagon bolt	Bibby-Ste. Croix: S171 (non-USA produced) Bingham & Taylor: 4901-94E Tyler: 6500		5911
Curb Box - Buffalo style lid for replacement or repair				
	Curb box lid: "Water" cast in lid	Bibby-Ste. Croix: S-282 (non-USA produced) Bibby-Ste. Croix: S-285 (old style) (non-USA produced) Bingham & Taylor: 4901 NRS Bingham & Taylor: 4901 OSR (old style) Mueller: H-10373 Mueller: H-10374 (old style) Tyler: 6500 (new style) Tyler: 6500 (old style) AY McDonald: 5700RL (new) AY McDonald: 5700RL (old)		5911
Brass Service Coupling, for copper and plastic tubing - quick style compression				
	Body material: No-lead brass, copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Inlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, Outlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring,	AY McDonald: 74758Q Ford: C44-33-Q-NL, C44-34-Q-NL, C44-44-Q-NL, C44-46-Q-NL C44-66-Q-NL, C44-77-Q-NL Mueller: H-15403N	02630	5931
Brass Service Coupling, for copper and plastic tubing - quick style compression connecting to existing galvanized and iron pipe - pack style compression				
	Body material: No-lead brass, copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Inlet: "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, Outlet: "Pack-style" compression	AY McDonald: 74758Q-55 Ford: C45-33-Q-NL, C45-43-Q-NL, C45-44-Q-NL, C45-66-Q-NL, C45-77-Q-NL	02630	5932
Brass Service Coupling, for repair of iron pipe connecting to iron pipe - pack style compression				
	Body material: No-lead brass, copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Inlet: "Pack-style" compression Outlet: "Pack-style" compression	AY McDonald: 74758-55 Ford: C55-33-NL, C55-44-NL, C55-66-NL, or C55-77-NL	02630	5932

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Brass Service Coupling, for repair of iron pipe - pack style compression connecting to threaded iron pipe - male threaded iron pipe				
	Body material: No-lead brass , copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other Material/Dimensions: ANSI/AWWA C800 Inlet: "Pack-style" compression Outlet: Male Iron Pipe Threads	AY McDonald: 74753-55 Ford: C85-33-NL, C85-44-NL, C85-66-NL, or C85-77-NL		
Brass Service Coupling, for male or female iron pipe - threaded connecting to copper or plastic tubing - quick style compression, or with brass plug for permanent manual air release & blow-off				
	Body material: No-lead brass , copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other material/Dimensions: ANSI/AWWA C800 Inlet: Iron Pipe Thread or "Quick-style" grip compression with one-piece combined gasket/metal gripper ring, Outlet: Iron Pipe Thread or "Quick-style" grip compression with one-piece combined gasket/metal gripper ring,	AY McDonald: 74754Q, 74753Q Ford: C14-33-Q-NL, C14-43-Q-NL, C14-44-Q-NL, C14-66-Q-NL, C14-77-Q-NL, C84-33-Q-NL, C84-43-Q-NL, C84-44-Q-NL, C84-66-Q-NL, C84-77-Q-NL Mueller: H-15451N Air releases and Blow-offs: AY McDonald: 74754Q with MIP plug Ford: C14-44-Q-NL with CSP-4-I-NL, or C14-77-Q-NL with CSP-7-I-NL Mueller: H-15451N with H-10035N brass plug	02630 02655	5931 5932
Steel Service Couplings, for 3/4" - 2" galvanized or brass pipe, and permanent manual air releases & blow-offs				
	Body material: Iron or cast steel, Other material/Dimensions: 5" Middle ring Coating: Epoxy	GE Dresser Style 90	02630	5926
Brass Bushings for 3/4" - 2" services				
	Body material: No-lead brass , copper alloy CDA/UNS C89520 or C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other material/ Dimensions: ANSI/AWWA C800 Inlet/Outlet: Iron Pipe Thread	Ford: C18-34-NL, C18-36-NL, C18-37-NL, C18-43-NL, C18-46-NL, C18-47-NL, C18-67-NL, or C18-76-NL Mueller: 47162N, 47163N, 47164N, 47165N, 47168N, 47169N and 47172N	02630	5931
Brass Plug for Corporation Taps				
	Body material: No-lead brass , copper alloy CDA/UNS C89520 and C89833, in accordance with the chemical and mechanical requirements of ASTM B584 Other material/Dimensions: ANSI/AWWA C800 Thread: CC threads	Ford: CSP-3-A-NL, CSP-4-A-NL, CSP-6-A-NL, CSP-7-A-NL Mueller: H-10033N AY McDonald: 73206-NL	02680	
Service Saddles for DI, CI and AC pipe Saddles required for 1-1/2" and 2" taps to DI and CI pipe and for all taps to AC pipe				
	Body material: 85-5-5-5 brass alloy as per ASTM B62 and B584 and ANSI/AWWA C800 Other material/Dimensions: ANSI/AWWA C800 Straps: Double straps of flattened silicon bronze Nuts: 85-5-5-5 brass alloy as per ASTM B62 and B584 and ANSI/AWWA C800, with integral washers Outlet: AWWA CC threads (female) Gasket: ASTM-D2000, Nitrile (Buna-N / NBR) rubber or EPDM o-ring	Ford: 202B Mueller: BR2B Series AY McDonald: 3825 for 2" - 12" AY McDonald: 3825A or B for 14" - 24"	02630	5916
Service Saddles for PVC pipe Saddles required for all taps to PVC pipe				
	Body material: 85-5-5-5 brass alloy as per ASTM B62 and B584 and ANSI/AWWA C800 Other Material/Dimensions: ANSI/AWWA C800 Strap: Hinged, 85-5-5-5 brass alloy as per ASTM B62 and B584 and ANSI/AWWA C800 Bolts: Silicon bronze Outlet: AWWA CC threads (female) Gasket: ASTM-D2000, Nitrile (Buna-N / NBR) rubber or EPDM o-ring	Ford: S90 (hinged) Mueller: S-13000 Series AY McDonald: 3895	02630	5939

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Service Saddles for Concrete pipe				
	Body material: Ductile Iron per ASTM A536 Strap: Steel per ASTM A36 Bolts: High-strength, low alloy steel per ANSI/AWWA C111 Outlet: AWWA CC thread Gasket: Nitrile (Buna-N / NBR)	Smith Blair: 362 JCM: 425 Forterra Pipe	02630	5917
Service Saddles for Steel pipe				
	Body material: ASTM A105 Other Material/Dimensions: ASME B16.9	Weldolet Thredolet		
Valves, Resilient-seated Gate			02660	5937
	Valves 16" and larger must be horizontal with bevel gearing unless otherwise specified Valve: ANSI/AWWA C509 for 4" - 12"; ANSI/AWWA C515 for 14" - 30" Working Pressure: 250 psi Direction to open: Counterclockwise (left), except in the Town of Henrietta & 12" and smaller in the Town of Webster Operator/stem: Buried service, non-rising stem, 2" square operating nut, double o-ring stem seal Joints: ANSI/AWWA C111: MJ x MJ; Tapping valves MJ x tapping flange Body/bonnet bolts: 304 stainless steel MJ Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Tapping flange bolts: 304 stainless steel Interior/Exterior Coating: Fusion-bonded epoxy	Clow: 4"-12" MJ x MJ Model 2639 14"-30" MJ x MJ Model 2638 4"-12" MJ x tapping flange Model 2639 14"-30" MJ x tapping flange Model 2638 Mueller: 4"-12" MJ x MJ Model A-2362-20 14"-30" MJ x MJ Model A-2361-20 4"-12" MJ x tapping flange Model T-2362-16 14"-30" MJ x tapping flange Model T-2361-16 US Pipe: 4" - 12" MJ x MJ Model A-USP2-20 14"-30" MJ x MJ Model A-USP1-20 4"-12" MJ x tapping flange Model T-USP2-16 14"-30" MJ x tapping flange Model T-USP1-16 Kennedy: 4" - 12" MJ x MJ Model 8571SS 14"-20" MJ x MJ Model 7571SS 4"-12" MJ x tapping flange Model 8950SS 14"-20" MJ x tapping flange Model 7950SS American: 14"-24" MJ x MJ Series 2500		
Valves, Butterfly			02660	5907
	Butterfly valves are only acceptable when explicitly specified Valve: ANSI/AWWA C504, Class 150A, 150B, 250A or 250B as specified Working Pressure: 150 psi or 250 psi as specified Direction to open: Counterclockwise (left) Operator: Buried service, non-rising stem, 2" square operating nut Shaft: ASTM A276 Type 304 or ASTM A564 Type 630 stainless steel Joints: ANSI/AWWA C111 for MJ x MJ ANSI/AWWA C207, ANSI B16.1 Class 125 or Class 250 for flanged x flanged, as specified MJ Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Flange bolts: 304 Stainless Steel Interior/Exterior Coating: Fusion-bonded epoxy	Henry Pratt Co: HP250™ Val-Matic: VM-2000 Mueller: Lineseal XP, Lineseal XPII		5908
Valves, Double - Disc Gate with bypass (for 20" and larger when explicitly specified)			02660	5906
	Valve: ANSI/AWWA C500 Working Pressure: 250 psi Direction to open: Counterclockwise (left) Orientation: Horizontal with solid-copper alloy or 300-series stainless steel rollers, scrapers and tracks Operator/stem: Buried service, non-rising stem, 2" square operating nut, double o-ring stem seal Bypass: ANSI/AWWA C500, C509 or C515 Joints: ANSI/AWWA C111: MJ x MJ; Tapping valves MJ x tapping flange Body/bonnet bolts: 304 stainless steel MJ Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Tapping flange bolts: 304 Stainless Steel Interior/Exterior Coating: Fusion-bonded epoxy	Mueller: A-2380 Clow Kennedy		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Automatic Air Release Valve, small orifice			02655	
	Valve: ANSI/AWWA C512 Working Pressure: 150 psi, unless noted Body/Cover material: GI / CI (ASTM A126, class B) or DI (ASTM A536, Grade 65-45-12) Float, Trim & Lever: Stainless steel Valve seats: Elastomeric materials Body inlet/Cover outlet: Threaded Valve/inlet & Orifice Size: As specified by MCWA Test Pressure: Shell - 1.5 times working pressure, Float - 1,000 psi minimum, Seat - zero leakage at 1.5 times working pressure Interior/Exterior Coating: Epoxy	Val-Matic GA Industries: DUOJET®		
Valve Box for Gate, Tapping and Butterfly Valves			02660	5912
	Boxes: 5-1/4" diameter, screw type, lock into base sections Box Coating: Petroleum asphaltic material Top: "WATER" cast into them Base: No base used on butterfly valves All sections shall be interchangeable with old Buffalo Foundry boxes, style: #5001	<u>Bibby-Ste-Croix Complete (5' Bury) (non-USA produced):</u> Valve Box Complete: V619, Figure # CC <u>Bibby-Ste-Croix Parts (non-USA produced):</u> Base: #6 7341 (8" and smaller valves) or #160 oval base V870 (10" to 16" valves) Mid Section: 7345 #59 or V817 #61 Top Section: V733, V734 or V735 Risers: V829, V831, V832 or V833 Covers: V878 <u>Bingham & Taylor Parts:</u> Base: #6 round base (8" and smaller valves) Base: #160 oval base (10" to 16") Mid Section: Figure 4905-X Top Section: Series Figure 4906 Risers: Series Figure 6016-B Covers: Figure 4905-L15 <u>Bingham & Taylor Replacement Parts:</u> Top Section: #54, #55, #56 Screw Type Middle: #62 Screw Type, #64 - #61 Screw Ex		
Valve Operating Nut Extension Stem			02660	
		As provided by MCWA		
Tapping Sleeves, DI or CI, for 4" - 24" DI or CI pipe			02650	5915
	Tapping Sleeve: ANSI/AWWA C110, DI or CI Working Pressure: 200 psi minimum Tapping Flange: ASME B16.1, Class 125/Class B Joints: ANSI/AWWA C111, MJ x tapping flange Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gaskets: SBR, EPDM, or Nitrile (Buna-N / NBR) Exterior Coating: ANSI/AWWA C153, Asphaltic	US Pipe / Mueller: H-615, H-619 American: 2800-C Series McWane Group (Tyler, Union and Clow): 25U-Compact		
Tapping Sleeves, Stainless Steel, for 4" - 24" DI, CI or AC pipe			02650	5915
	Tapping Sleeve: ANSI/AWWA C223, 18-8 Type 304 or 316 stainless steel Working Pressure: 200 psi minimum Tapping Flange: CF8 cast stainless steel, or, 304 or 316 stainless steel; ANSI B16.1 Class 125/Class B Bolts: Type 304 stainless steel Gaskets: SBR or Nitrile (Buna-N / NBR)	Powerseal: 3490AS Ford: FTSS Cascade: CST-EX (Not approved on mains to be pressure tested over 150 psi) US Pipe / Mueller: H-304SS Total Piping Solutions: Triple-Tap® JCM: 432SS (Not approved on AC mains and mains to be pressure tested over 150 psi)		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Tapping Sleeves, Steel, for 6" - 48" Steel pipe, weld-on				
	Tapping Sleeve: ANSI/AWWA C200, Steel per ASTM A36 or ASTM A283 Grade C Working Pressure: 150 psi Tapping Flange: ANSI/AWWA C207, Class D or ANSI B16.5 Class 125/Class B Exterior Coating: Shop coat primer or epoxy coated	Romac: FTS445 Smith Blair: 626 JCM: 417	02650	5941
Hydrants				
	Dimensions /design: ANSI/AWWA C502, Dry barrel, 5-1/2 foot bury standard, 6-1/2 foot bury blow-off, 4 foot, 5 foot and 6 foot bury standard depth as specified Opens: Counterclockwise (left) Valve Opening: 5-1/4 inch Operating Nuts: Pentagon shaped, 1-1/2 inch point to flat with weather cap or shield Packing: "O" ring Seat Rings: Bronze to bronze Inlet: 6" MJ with gasket and connecting gland Nozzles: (1) 4-1/2" inside diameter, male, 4 threads per inch (2) 2-1/2" inside diameter, male, 7-1/2 threads per inch Mechanically attached with National Standard Threads Nozzle caps: Threaded female without chains Orientation: 2 smaller nozzles 180° apart with large nozzle located equidistant between Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Paint: OSHA safety yellow, polyurethane modified alkyd (conforming to Federal Lead Standards) Paint coats: 1 primer coat, 2 finish coats	Mueller: Super Centurion 250™ Clow Eddy: F-2640 Kennedy Guardian: #K-81-D US Pipe: M-94	02655	5905 5950
Hydrant Paint for touch up and repair				
	Paint: Alkyd Enamel (conforming to Federal Lead Standards) Paint Color: Safety yellow Paint gallon: 7.6 - 8.9 lbs per gallon Paint coverage: 265 to 440 square feet per gallon Paint Flash Point: 104° F Paint solids: by weight 56.1 - 62.8%, by volume 48.3 - 48.5%	Rust-oleum® - C740 System DTM Alkyd Enamel 400 VOC		5950
Couplings, Straight for DI and CI pipe				
	Materials / design: ANSI / AWWA C219 Working pressure: 150 psi Sleeves: DI per ASTM A536 or Steel per ASTM A36 Sleeve length: Center sleeves for 16" - 30" shall have a 10" min. length and 36" - 48" shall have a 16" min. length Follower Flanges: DI per ASTM A536 or Steel per ASTM A36 Bolts / nuts: ANSI / AWWA C111, High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gaskets: ANSI / AWWA C111, SBR or Nitrile (Buna-N / NBR) Coating: Fusion-bonded epoxy	Smith Blair: #441, 2" - 12", Limited range only Smith Blair: #441, 14" and greater JCM: #210, 2" - 12" JCM: #201, 14" and greater Ford: #FC1, 2" - 12"	02655	5904
Couplings, Transition for DI and CI pipe				
	Materials / design: ANSI / AWWA C219 Working pressure: 150 psi Sleeves: DI per ASTM A536 or Steel per ASTM A36, ASTM A53 or ASTM A513 Sleeve length: Center sleeves for 16" - 30" shall have a 10" min. length and 36" - 48" shall have a 16" min. length Follower Flanges: DI per ASTM A536 or Steel per ASTM A36 or AISI 1020 Bolts / nuts: ANSI / AWWA C111, High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gaskets: ANSI / AWWA C111, SBR or Nitrile (Buna-N / NBR) Coating: Fusion-bonded epoxy	Smith Blair: #441, Omni, 4"- 12" Smith Blair: #415, 16"- 30" Smith Blair: #413, 14" and above JCM: #212, 4" - 12" JCM: #203, 14" and above Ford: #FC2A, 4" through 12" Ford: #FC5, 14" and above PowerSeal: #3562R, 14" and above	02655	5929

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
Couplings, End or Line Cap for DI and CI pipe				
	Materials / design: ANSI / AWWA C219	Smith Blair: #481, blind end with plug	02680	5915
	Working pressure: 150 psi	Smith Blair: #482 with plug		5927
	Sleeves: ASTM A536 DI or ASTM A36 or ASTM A53 Steel	JCM: #214 with plug		5999
	Sleeve length: Sleeves for 16" - 30" shall have a 10" min. length and 36" - 48" shall have a 16" min. length	Ford: FEC, 4" - 12"		
	Follower Flanges: DI per ASTM A536 or Steel per ASTM A36 or AISI 1020	Ford: FEC with blind end or with plug		
	Bolts / nuts: ANSI / AWWA C111, High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated	Ford: FC4 Steel end cap coupling with plug, 14" - 24"		
	Gaskets: ANSI / AWWA C111, SBR or Nitrile (Buna-N / NBR)	Romac: #EC-501 with blind end		
	Coating: Fusion-bonded epoxy	Romac: #EC-501		
		PowerSeal: #3551		
		PowerSeal: #3551 with blind plug		
Couplings, Two-bolt, Multi-Range for DI and CI pipe, 4" - 12"				
	Materials / design: ANSI / AWWA C219	Hymax®: DI High Pressure Coupling (non-USA produced)	02655	5904
	Working pressure: 260 psi	Smith Blair: #421 Top Bolt® Wide Range Coupling		
	Sleeves: DI per ASTM A536 or Carbon steel per ASTM A36, ASTM A285A or ASTM A283C			
	Follower Flanges: DI per ASTM A536 or Carbon steel per ASTM A36, ASTM A285A or ASTM A283C			
	Bolts / nuts: Type 304 Stainless Steel			
	Gaskets: EPDM or Nitrile (Buna-N / NBR)			
	Coating: Fusion-bonded epoxy			
Steel Casing Pipe for boring				
	Wall thickness: 3/8"	Welded steel pipe	02670	
	Coating: Carbolite Bitumastic 300M or Tnemec Series 46-465 H.H. Themecol			
Casing Pipe Spacers				
	Material: 14 gauge carbon steel, stainless steel or HDPE	Cascade: CCS	02670	
	Coating / Liner: Thermoplastic powder coating (for carbon steel), PVC or EPDM Liner (for stainless steel)	PSI: A86-2		
	Runners: No liners are required for HDPE casing spacers			
	UHMW polymer, glass reinforced plastic or HDPE equal length, equally spaced around circumference			
Protective Wax Tape coating system for steel pipe				
	Material: ANSI/AWWA C217	Chase Construction Products: Tapecoat Enviroprime, Tapecoat Envirotape	02655	5953
		Denso: Denso paste, Densyl mastic or Denso profiling mastic, Densyl tape		
		The Trenton Corporation: Wax tape primer, Fill-Pro PM-GP, #1 wax tape		
Meter Tile, 18" HDPE or PVC				
	Material: PVC SDR-35 or Smooth interior, corrugated N-12 HDPE	JM Eagle	02630	5998
		IPEX		
		Vinyltech		
		North American Pipe Corporation		
		ADS		
Meter Tile Box Cover				
	Cover Dimensions: 18" for new installation, 15" to replace old 15" covers	Ford: W32-t Wabash double lid (new install), C32-T Type C single lid	02630	5934
	Cover: Drilled hole in lid for electronic meter reading,	(new install), C31-T Type C single lid (replacement), C3L-T Type C cover		
	Pentagon bolt; locking	(repair)		
		Mueller: H-10817-09 single lid (new install), H-10814-09 double lid		
		(new install)		
		AY McDonald: 74M32WT (new install), 74M31WT (replacement)		

MONROE COUNTY WATER AUTHORITY - APPROVED MATERIALS LIST

While the materials listed in this chart are generally acceptable, they are not acceptable for every application within MCWA's system. Users of this chart must confirm acceptability with any project-specific specifications or requirements. Project specific requirements will govern.

This list is current as of the last revision date and is subject to change at MCWA's discretion.

Last Revision: 11/13/2019

All materials in contact with potable water must be NSF-61 certified.

All materials must be produced in the United States, its territories or possessions unless otherwise noted.

ITEM:	STANDARDS/REQUIREMENTS:	MANUFACTURER/MAKE/NAME/MODEL:	ENG SPEC	WH #
	Angle Meter Valve, ball style meter stop		02630	
	Inlet/Outlet: Meter swivel nut by copper compression	Mueller: H-14269N (Angle meter dual check valve), B-24258N (300™ Ball angle meter valve) Ford: BA43-342W-Q, BA43-444W-Q AY McDonald: 74602BG (1 x 3/4 x 5/8), 74602BG (1)		
	Repair Clamps - Full Circle for ductile iron, cast iron and steel pipe			5921
	Band Material: Type 304 (18-8) Stainless Steel Lug Material: Type 304 (18-8) Stainless Steel Spanner/Bridge Plate: Type 304 (18-8) Stainless Steel Bolts: Type 304 (18-8) Stainless Steel Gasket: SBR, Nitrile (Buna-N / NBR)	TPS: Quick Cam JCM: #131, #132 Extended Range PowerSeal: 3121AS, 3122AS Ford: FS1, FS2 (Two Sections) Smith Blair: 261, 262 (Two Sections) Cascade: CR-1, CR-2 (Two Sections) Romac: SS1, SS2		
	Repair Clamps with CC Outlet (For defective tap)		02630	5921
	Band Material: Type 304 (18-8) Stainless Steel Lug Material: Type 304 (18-8) Stainless Steel Spanner/Bridge Plate: Type 304 (18-8) Stainless Steel Bolts: Type 304 (18-8) Stainless Steel Gasket: SBR, Nitrile (Buna-N / NBR)	JCM: #133, #134 Extended Range Ford: FS1, FS2 (Two Sections) Smith Blair: 265 Cascade: CR-1, CR-2 (Two Sections) PowerSeal: 3132AS Romac: SS1, SS2		
	Repair Clamps - Bell Joint			5930
	Bell-Spigot Ring Material: Ductile Iron per ASTM A536 or Steel per ASTM A36 Bolts: High-strength, low-alloy steel; blue fluoropolymer-coated or polytetrafluoroethylene-coated Gasket: SBR, Nitrile (Buna-N / NBR) Coating: Epoxy	Smith Blair: 274 JCM: 143 (4" - 12" & 14" - 36") PowerSeal: 3232 Romac: 516		
	Repair Clamps for 1" - 2" galvanized pipe			5933
	Band Material: Type 304 (18-8) Stainless Steel Lug Material: Ductile Iron per ASTM A536 or Type 304 Stainless steel Bolts: High-strength, low-alloy steel or stainless steel Gasket: Nitrile (Buna-N / NBR)	Smith Blair: 245 Ford: FSC Style PowerSeal: 3151, 3151AS-W Romac: SC clamp		