IAPMO RESEARCH AND TESTING, INC.

5001 E. Philadelphia Street, Ontario, CA 91761 • Phone (909) 472-4100 • Fax (909) 472-4244 • www.iapmort.org

CERTIFICATE OF LISTING

LEAD FREE

IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and/or warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Issued To:

JINAN MEIDE CASTING CO., LTD.

NO. 3 NANMEN ROAD, PINGYIN JINAN , SHANDONG, CHINA

Product:

Lead Free Plumbing Products

Products are certified to the following standard(s)

Section 1417(d) of the Safe Drinking Water Act
The lead content requirements of Section 116875 of the California Health & Safety Code
NSF/ANSI/CAN 372-2024

File Number: 6047

Revised Date: August 14, 2025

Effective Date: May 2024

Void After: May 2029*

Chairman, Product Certification Committee

IAPMO RESEARCH AND TESTING, INC. NON-PROFIT OCTOBER 25 1934 CORPORATION CALIFORNIA

Chief Technical Service Officer

*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.

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Identification:

Each product shall bear permanent and legible markings to identify the manufacturer. This marking shall be the trade name, trademark, or other mark known to identify the manufacturer. The product shall bear the appropriate IAPMO R&T certification mark. The product may also bear either "Lead Free" or "Low Lead" above or in close proximity to the IAPMO R&T certification mark.

Characteristics:

Products may include any pipe, pipe fitting, solder, flux, or other plumbing products providing water for human consumption. Products listed below are to be installed in accordance with the manufacturer's instruction. These products have been verified with weighted average lead content <=0.25%; Solder and flux lead content <=0.2%.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

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Models

Gate Valves

Model Number	Description
Z45X-xx	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
Z85X-xx	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
Z35X-xx	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
Z55X-xx	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
Z05X-xx	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
Z41X-xx	Gate Valve, Resilient Wedge, Rising Stem, Flanged Joint
Z81X-xx	Gate Valve, Resilient Wedge, Rising Stem, Groove Ended
Z31X-xx	Gate Valve, Resilient Wedge, Rising Stem, Mechanical Joint
Z51X-xx	Gate Valve, Resilient Wedge, Rising Stem, Flange x Groove
Z01X-xx	Gate Valve, Resilient Wedge, Rising Stem, Flange x Mechanical
XZ41X-xx	Gate Valve, Resilient Wedge, Rising Stem, Flanged Joint, with Pre-notched Stem
XZ81X-xx	Gate Valve, Resilient Wedge, Rising Stem, Groove Ended, with Pre-notched Stem

xx	sizes
2"	
2 1/2"	
3"	
4"	
5"	
6"	
8"	
10"	
12"	

Gate Valves

Model Number	Description

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Model Number	Description
Z45XC-2	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint, with Post Flange
Z85XC-2	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended, with Post Flange
Z35XC-2	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint, with Post Flange
XZ41X	14"
XZ41X	16"
XZ41X	18"
XZ41X	20"
XZ41X	24"
Z05XC-2	4"
Z05XC-2	6"
Z05XC-2	8"
Z05XC-2	10"
Z05XC-2	12"
Z35X	14"
Z35X	16"
Z35X	18"
Z35X	20"
Z35X	24"
Z45X	14"
Z45X	16"
Z45X	18"
Z45X	20"
Z45X	24"
Z45XC	14"
Z45XC	16"
Z45XC	18"
Z45XC	20"
Z45XC	24"

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Threaded Y-type Strainers

Model Number	Description
V1	1/4"
V1	3/8"
V1	1/2"
V1	3/4"
V1	1"
V1	1-1/4"
V1	1-1/2"
V1	2"
V1	2-1/2"
V1	3"

Y-type Grooved Strainers

Model Number	Description
V8	2"
V8	2-1/2"
V8	3"
V8	4"
V8	5"
V8	6"
V8	8"
V8	10"
V8	12"

Swing Check Valves

Model Number	Description
H44X	2"
H44X	2-1/2"

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Model Number	Description
H44X	3"
H44X	4"
H44X	5"
H44X	6"
H44X	8"
H44X	10"
H44X	12"
H44X2	2"
H44X2	2-1/2"
H44X2	3"
H44X2	4"
H44X2	5"
H44X2	6"
H44X2	8"
H44X2	10"
H44X2	12"
H44X2A	2"
H44X2A	2-1/2"
H44X2A	3"
H44X2A	4"
H44X2A	5"
H44X2A	6"
H44X2A	8"
H44X2A	10"
H44X2A	12"
H44XW	2"
H44XW	2-1/2"
H44XW	3"
H44XW	4"

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Model Number	Description
H44XW	5"
H44XW	6"
H44XW	8"
H44XW	10"
H44XW	12"
H44XW	14"
H44XW	16"
H44J	2"
H44J	2-1/2"
H44J	3"
H44J	4"
H44J	5"
H44J	6"
H44J	8"
H44J	10"
H44J	12"
H44J	14"
H44J	16"
H44J	18"
H44J	20"
H44J	24"
H44J	28"
H44J	32"
H84X	2"
H84X	2-1/2"
H84X	3"
H84X	4"
H84X	5"
H84X	6"

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Model Number	Description
H84X	8"
H84X	10"
H84X	12"
H84XF4	2"
H84XF4	2-1/2"
H84XF4	3"
H84XF4	4"
H84XF4	5"
H84XF4	6"
H84XF4	8"
H84XF4	10"
H84XF4	12"
H44T2	2"
H44T2	2-1/2"
H44T2	3"
H44T2	4"
H44T2	5"
H44T2	6"
H44T2	8"
H44T2	10"
H44T2	12"
H44T2A	2"
H44T2A	2-1/2"
H44T2A	3"
H44T2A	4"
H44T2A	5"
H44T2A	6"
H44T2A	8"
H44T2A	10"

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Model Number	Description
H44T2A	12"

Butterfly-type Check Valve

Model Number	Description
DH77X	2"
DH77X	2-1/2"
DH77X	3"
DH77X	4"
DH77X	5"
DH77X	6"
DH77X	8"
DH77X	10"
DH77X	12"
DH77X	14"
DH77X	16"
DH77X	18"

Silent Check Valve

Model Number	Description
HC41X	2"
HC41X	2-1/2"
HC41X	3"
HC41X	4"
HC41X	5"
HC41X	6"
HC41X	8"
HC41X	10"
HC41X	12"

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Flanged Y-Type Strainers

Model Number	Description
V4	1/2"
V4	3/4"
V4	1"
V4	1-1/4"
V4	1-1/2"
V4	2"
V4	2-1/2"
V4	3"
V4	4"
V4	5"
V4	6"
V4	8"
V4	10"
V4	12"
V4	14"
V4	16"
V4	18"
V4	20"
V4	24"
V4S	18"
V4S	20"
V4S	24"

xx	sizes
4"	
5"	
6"	
8"	

xx	sizes
10"	
12"	

Butterfly Valves

Model Number	Description
D71X-xx	Wafer Butterfly Valve, Lever Operated
D371X-xx	Wafer Butterfly Valve, Gear Operated
XD371X-xx	Wafer Butterfly Valve with Tamper Switch
D71XL-xx	Lugged Wafer Butterfly Valve, Lever Operated
D371XL-xx	Lugged Wafer Butterfly Valve, Gear Operated
XD371XL-xx	Lugged Riser Butterfly Valve with Tamper Switch
D41X-xx	Flanged Butterfly Valve, Lever Operated
D341X-xx	Flanged Butterfly Valve, Gear Operated
D81X-xx	Grooved Butterfly Valve, Lever Operated
D381X-xx	Grooved Butterfly Valve, Gear Operated
XD381X-xx	Grooved Butterfly Valve with Tamper Switch

Model Number	Description
90	1 Elbow - 90
90	1/2 Elbow - 90
90	1/4 Elbow - 90
90	1/8 Elbow - 90
90	1-1/2 Elbow - 90
90	1-1/4 Elbow - 90
90	2 Elbow - 90
90	2-1/2 Elbow - 90
90	3 Elbow - 90
90	3/4 Elbow - 90
90	3/8 Elbow - 90

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Model Number	Description
90	3-1/2 Elbow-90
90	4 Elbow - 90
90	5 Elbow - 90
90	6 Elbow - 90
90	BRONZE ELBOW 90 1"
90	BRONZE ELBOW 90 1/4"
90	BRONZE ELBOW 90 1/8"
90	BRONZE ELBOW 90 1-1/2"
90	BRONZE ELBOW 90 1-1/4"
90	BRONZE ELBOW 90 2"
90	BRONZE ELBOW 90 2-1/2"
90	BRONZE ELBOW 90 3"
90	BRONZE ELBOW 90 3/8"
90	BRONZE ELBOW 90 4"
90	BRONZE ELBOWS 90 1/2"
90	BRONZE ELBOWS 90 3/4"
92	6 Street Elbow - 90
92	1 Street Elbow - 90
92	1/2 Street Elbow - 90
92	1/4 Street Elbow - 90
92	1/8 Street Elbow - 90
92	1-1/2 Street Elbow - 90
92	1-1/4 Street Elbow - 90
92	2 Street Elbow - 90
92	2-1/2 Street Elbow - 90
92	3 Street Elbow - 90
92	3/4 Street Elbow - 90
92	3/8 Street Elbow - 90
92	4 Street Elbow - 90

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Model Number	Description
92	BRONZE STR. ELBOW 90 1"
92	BRONZE STR. ELBOW 90 1/2"
92	BRONZE STR. ELBOW 90 1/4"
92	BRONZE STR. ELBOW 90 1/8"
92	BRONZE STR. ELBOW 90 1-1/2"
92	BRONZE STR. ELBOW 90 1-1/4"
92	BRONZE STR. ELBOW 90 2"
92	BRONZE STR. ELBOW 90 2-1/2"
92	BRONZE STR. ELBOW 90 3"
92	BRONZE STR. ELBOW 90 3/4"
92	BRONZE STR. ELBOW 90 3/8"
92	BRONZE STR. ELBOW 90 4"
120	1 Elbow - 45
120	1/2 Elbow - 45
120	1/4 Elbow - 45
120	1/8 Elbow - 45
120	1-1/2 Elbow - 45
120	1-1/4 Elbow - 45
120	2 Elbow - 45
120	2-1/2 Elbow -45
120	3 Elbow - 45
120	3/4 Elbow - 45
120	3/8 Elbow - 45
120	4 Elbow - 45
120	5 Elbow - 45
120	6 Elbow - 45
120	BRONZE 45 ELBOW 1"
120	BRONZE 45 ELBOW 1/4"
120	BRONZE 45 ELBOW 1/8"

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Model Number	Description
120	BRONZE 45 ELBOW 1-1/2"
120	BRONZE 45 ELBOW 1-1/4"
120	BRONZE 45 ELBOW 2"
120	BRONZE 45 ELBOW 2-1/2"
120	BRONZE 45 ELBOW 3"
120	BRONZE 45 ELBOW 3/4"
120	BRONZE 45 ELBOW 3/8"
120	BRONZE 45 ELBOW 4"
120	BRONZE ELBOWS 45 1/2"
121	1 Street Elbow - 45
121	1/2 Street Elbow - 45
121	1/4 Street Elbow - 45
121	1/8 Street Elbow - 45
121	1-1/2 Street Elbow - 45
121	1-1/4 Street Elbow - 45
121	2 Street Elbow - 45
121	2-1/2 Street Elbow - 45
121	3 Street Elbow - 45
121	3/4 Street Elbow - 45
121	3/8 Street Elbow - 45
121	4 Street Elbow - 45
121	BRONZE 45 STR. ELBOW 1"
121	BRONZE 45 STR. ELBOW 1/2"
121	BRONZE 45 STR. ELBOW 1/4"
121	BRONZE 45 STR. ELBOW 1/8"
121	BRONZE 45 STR. ELBOW 1-1/2"
121	BRONZE 45 STR. ELBOW 1-1/4"
121	BRONZE 45 STR. ELBOW 2"
121	BRONZE 45 STR. ELBOW 3"

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Model Number	Description
121	BRONZE 45 STR. ELBOW 3/4"
121	BRONZE 45 STR. ELBOW 3/8"
130	1 Equal Tee
130	1/2 Equal Tee
130	1/4 Equal Tee
130	1/8 Equal Tee
130	1-1/2 Equal Tee
130	1-1/4 Equal Tee
130	2 Equal Tee
130	2-1/2 Equal Tee
130	3 Equal Tee
130	3/4 Equal Tee
130	3/8 Equal Tee
130	3-1/2 Equal Tee
130	4 Equal Tee
130	5 Equal Tee
130	6 Equal Tee
130	BRONZE TEE 3/8"
130	BRONZE TEE 4"
130	BRONZE TEES 1"
130	BRONZE TEES 1/2"
130	BRONZE TEES 1/4"
130	BRONZE TEES 1/8"
130	BRONZE TEES 1-1/2"
130	BRONZE TEES 1-1/4"
130	BRONZE TEES 2"
130	BRONZE TEES 2-1/2"
130	BRONZE TEES 3"
130	BRONZE TEES 3/4"

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Model Number	Description
134	1 Service Tee
134	1/2 Service Tee
134	1/4 Service Tee
134	1-1/2 Service Tee
134	1-1/4 Service Tee
134	2 Service Tee
134	3/4 Service Tee
165	1 Lateral Y Branch
165	1/2 Lateral Y Branch
165	1-1/2 Lateral Y Branch
165	1-1/4 Lateral Y Branch
165	2 Lateral Y Branch
165	2-1/2 Lateral Y Branch
165	3 Lateral Y Branch
165	3/4 Lateral Y Branch
165	3/8 Lateral Y Branch
165	4 Lateral Y Branch
180	1 Equal Cross
180	1/2 Equal Cross
180	1/4 Equal Cross
180	1/8 Equal Cross
180	1-1/2 Equal Cross
180	1-1/4 Equal Cross
180	2 Equal Cross
180	2-1/2 Equal Cross
180	3 Equal Cross
180	3/4 Equal Cross
180	3/8 Equal Cross
180	3-1/2 Equal Cross

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Model Number	Description
180	4 Equal Cross
180	5 Equal Cross
180	6 Equal Cross
180	BRONZE CROSSES 1"
180	BRONZE CROSSES 1/2"
180	BRONZE CROSSES 1/4"
180	BRONZE CROSSES 1/8"
180	BRONZE CROSSES 1-1/2"
180	BRONZE CROSSES 1-1/4"
180	BRONZE CROSSES 2"
180	BRONZE CROSSES 3/4"
180	BRONZE CROSSES 3/8"
220	1 Coupling
220	1/2 Coupling
220	1/4 Coupling
220	1/8 Coupling
220	1-1/2 Coupling
220	1-1/4 Coupling
220	2 Coupling
220	2-1/2 Coupling
220	3 Coupling
220	3/4 Coupling
220	3/8 Coupling
220	4 Coupling
220	BRONZE COUPLINGS 1"
220	BRONZE COUPLINGS 1/2"
220	BRONZE COUPLINGS 1/4"
220	BRONZE COUPLINGS 1/8"
220	BRONZE COUPLINGS 1/8"

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Model Number	Description
220	BRONZE COUPLINGS 1-1/2"
220	BRONZE COUPLINGS 1-1/4"
220	BRONZE COUPLINGS 2"
220	BRONZE COUPLINGS 2-1/2"
220	BRONZE COUPLINGS 3"
220	BRONZE COUPLINGS 3/4"
220	BRONZE COUPLINGS 3/8"
220	BRONZE COUPLINGS 4"
240	1 x 1/2 Reducing Coupling
240	1 x 1/4 Reducing Coupling
240	1 x 3/4 Reducing Coupling
240	1 x 3/8 Reducing Coupling
240	1/2 x 1/4 Reducing Coupling
240	1/2 x 1/8 Reducing Coupling
240	1/2 x 3/8 Reducing Coupling
240	1/4 x 1/8 Reducing Coupling
240	1-1/2 x 1 Reducing Coupling
240	1-1/2 x 1/2 Reducing Coupling
240	1-1/2 x 1/4 Reducing Coupling
240	1-1/2 x 1-1/4 Reducing Coupling
240	1-1/2 x 3/4 Reducing Coupling
240	1-1/2 x 3/8 Reducing Coupling
240	1-1/4 x 1 Reducing Coupling
240	1-1/4 x 1/2 Reducing Coupling
240	1-1/4 x 3/4 Reducing Coupling
240	1-1/4 x 3/8 Reducing Coupling
240	2 x 1 Reducing Coupling
240	2 x 1/2 Reducing Coupling
240	2 x 1-1/2 Reducing Coupling

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Model Number	Description
240	2 x 1-1/4 Reducing Coupling
240	2 x 3/4 Reducing Coupling
240	2 x 3/8 Reducing Coupling
240	2-1/2 x 1 Reducing Coupling
240	2-1/2 x 1-1/2 Reducing Coupling
240	2-1/2 x 1-1/4 Reducing Coupling
240	2-1/2 x 2 Reducing Coupling
240	2-1/2 x 3/4 Reducing Coupling
240	3 x 1 Reducing Coupling
240	3 x 1-1/2 Reducing Coupling
240	3 x 1-1/4 Reducing Coupling
240	3 x 2 Reducing Coupling
240	3 x 2-1/2 Reducing Coupling
240	3 x 3/4 Reducing Coupling
240	3/4 x 1/2 Reducing Coupling
240	3/4 x 1/4 Reducing Coupling
240	3/4 x 1/8 Reducing Coupling
240	3/4 x 3/8 Reducing Coupling
240	3/8 x 1/4 Reducing Coupling
240	3/8 x 1/8 Reducing Coupling
240	4 x 1 Reducing Coupling
240	4 x 1-1/2 Reducing Coupling
240	4 x 2 Reducing Coupling
240	4 x 2-1/2 Reducing Coupling
240	4 x 3 Reducing Coupling
240	5 x 4 Reducing Coupling
240	6 x 2 Reducing Coupling
240	6 x 3 Reducing Coupling
240	6 x 4 Reducing Coupling

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
240	6 x 5 Reducing Coupling
240	BRONZE RED. COUPLING 1/2X1/4"
240	BRONZE RED. COUPLING 1/2X1/8"
240	BRONZE RED. COUPLING 1/2X3/8"
240	BRONZE RED. COUPLING 3/4X1/2"
240	BRONZE RED. COUPLING 3/4X3/8"
240	BRONZE RED. COUPLING 3/8X1/4"
240	BRONZE RED. COUPLING 3/8X1/8"
240	BRONZE RED. COUPLINGS 1/4X1/8"
240	BRONZE RED. COUPLINGS 1-1/2X1"
240	BRONZE RED. COUPLINGS 1-1/2X1/2"
240	BRONZE RED. COUPLINGS 1-1/2X1-1/4"
240	BRONZE RED. COUPLINGS 1-1/2X3/4"
240	BRONZE RED. COUPLINGS 11/4X1"
240	BRONZE RED. COUPLINGS 11/4X1/2"
240	BRONZE RED. COUPLINGS 11/4X3/4"
240	BRONZE RED. COUPLINGS 1X1/2"
240	BRONZE RED. COUPLINGS 1X3/8"
240	BRONZE RED. COUPLINGS 2-1/2X1"
240	BRONZE RED. COUPLINGS 2-1/2X1-1/2"
240	BRONZE RED. COUPLINGS 2-1/2X1-1/4"
240	BRONZE RED. COUPLINGS 2-1/2X2"
240	BRONZE RED. COUPLINGS 2X1"
240	BRONZE RED. COUPLINGS 2X1/2"
240	BRONZE RED. COUPLINGS 2X1-1/2"
240	BRONZE RED. COUPLINGS 2X1-1/4"
240	BRONZE RED. COUPLINGS 2X3/4"
240	BRONZE RED. COUPLINGS 3/4X1/4"
240	BRONZE RED. COUPLINGS 3X2"

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Model Number	Description
240	BRONZE RED. COUPLINGS 3X2-1/2"
240	BRONZE RED. COUPLINGS 4X2"
240	BRONZE RED. COUPLINGS 4X3"
240	BRONZE REDUCING COUPLINGS 1X3/4"
241	1 x 1/2 Bushing
241	1 x 1/4 Bushing
241	1 x 1/8 Bushing
241	1 x 3/4 Bushing
241	1 x 3/8 Bushing
241	1/2 x 1/4 Bushing
241	1/2 x 1/8 Bushing
241	1/2 x 3/8 Bushing
241	1/4 x 1/8 Bushing
241	1-1/2 x 1 Bushing
241	1-1/2 x 1/2 Bushing
241	1-1/2 x 1/4 Bushing
241	1-1/2 x 1/8 Bushing
241	1-1/2 x 1-1/4 Bushing
241	1-1/2 x 3/4 Bushing
241	1-1/2 x 3/8 Bushing
241	1-1/4 x 1 Bushing
241	1-1/4 x 1/2 Bushing
241	1-1/4 x 1/4 Bushing
241	1-1/4 x 3/4 Bushing
241	1-1/4 x 3/8 Bushing
241	2 x 1 Bushing
241	2 x 1/2 Bushing
241	2 x 1/4 Bushing
241	2 x 1-1/2 Bushing

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Model Number	Description
241	2 x 1-1/4 Bushing
241	2 x 3/4 Bushing
241	2 x 3/8 Bushing
241	2-1/2 x 1 Bushing
241	2-1/2 x 1/2 Bushing
241	2-1/2 x 1-1/2 Bushing
241	2-1/2 x 1-1/4 Bushing
241	2-1/2 x 2 Bushing
241	2-1/2 x 3/4 Bushing
241	3 x 1 Bushing
241	3 x 1/2 Bushing
241	3 x 1-1/2 Bushing
241	3 x 1-1/4 Bushing
241	3 x 2 Bushing
241	3 x 2-1/2 Bushing
241	3 x 3/4 Bushing
241	3/4 x 1/2 Bushing
241	3/4 x 1/4 Bushing
241	3/4 x 1/8 Bushing
241	3/4 x 3/8 Bushing
241	3/8 x 1/4 Bushing
241	3/8 x 1/8 Bushing
241	3-1/2 x 2-1/2 Bushing
241	3-1/2 x 3 Bushing
241	4 x 1 Bushing
241	4 x 1-1/2 Bushing
241	4 x 1-1/4 Bushing
241	4 x 2 Bushing
241	4 x 2-1/2 Bushing

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Model Number	Description
241	4 x 3 Bushing
241	4 x 3/4 Bushing
241	4 x 3-1/2 Bushing
241	5 x 3 Bushing
241	5 X 4 Bushing
241	6 X 2 Bushings
241	6 X 3 Bushings
241	6 X 4 Bushings
241	6 X 5" Bushings
241	BRONZE BUSHING 1-1/4X1/4"
241	BRONZE BUSHINGS 1/2X1/4"
241	BRONZE BUSHINGS 1/2X1/8"
241	BRONZE BUSHINGS 1/4X1/8"
241	BRONZE BUSHINGS 1-1/2X1"
241	BRONZE BUSHINGS 1-1/2X1/2"
241	BRONZE BUSHINGS 1-1/2X1/4"
241	BRONZE BUSHINGS 1-1/2X1-1/4"
241	BRONZE BUSHINGS 1-1/2X3/4"
241	BRONZE BUSHINGS 1-1/2X3/8"
241	BRONZE BUSHINGS 1-1/4X1"
241	BRONZE BUSHINGS 1-1/4X1/2"
241	BRONZE BUSHINGS 1-1/4X3/4"
241	BRONZE BUSHINGS 1X1/2"
241	BRONZE BUSHINGS 1X1/4"
241	BRONZE BUSHINGS 1X1/8"
241	BRONZE BUSHINGS 1X3/8"
241	BRONZE BUSHINGS 2-1/2X1"
241	BRONZE BUSHINGS 2-1/2X1-1/2"
241	BRONZE BUSHINGS 2-1/2X1-1/2"

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Model Number	Description
241	BRONZE BUSHINGS 2-1/2X1-1/4"
241	BRONZE BUSHINGS 2-1/2X2"
241	BRONZE BUSHINGS 2-1/2X3/4"
241	BRONZE BUSHINGS 2X1"
241	BRONZE BUSHINGS 2X1/2"
241	BRONZE BUSHINGS 2X1-1/2"
241	BRONZE BUSHINGS 2X1-1/4"
241	BRONZE BUSHINGS 2X3/4"
241	BRONZE BUSHINGS 3/4X1/2"
241	BRONZE BUSHINGS 3/4X1/4"
241	BRONZE BUSHINGS 3/4X1/8"
241	BRONZE BUSHINGS 3/4X3/8"
241	BRONZE BUSHINGS 3/8X1/4"
241	BRONZE BUSHINGS 3/8X1/8"
241	BRONZE BUSHINGS 3X1"
241	BRONZE BUSHINGS 3X1-1/2"
241	BRONZE BUSHINGS 3X1-1/4"
241	BRONZE BUSHINGS 3X2"
241	BRONZE BUSHINGS 3x2"
241	BRONZE BUSHINGS 3X2-1/2"
241	BRONZE BUSHINGS 3X3/4"
241	BRONZE BUSHINGS 4X2"
241	BRONZE BUSHINGS 4X2-1/2"
241	BRONZE BUSHINGS 4X3"
241	BRONZE HEX.BUSHING 1X3/4"
241	BRONZE HEX.BUSHINGS 1/2X3/8"
280	BRONZE NIPPLES 1"
280	BRONZE NIPPLES 1/2"
280	BRONZE NIPPLES 1/4"

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Model Number	Description
280	BRONZE NIPPLES 1/8"
280	BRONZE NIPPLES 1-1/2"
280	BRONZE NIPPLES 1-1/4"
280	BRONZE NIPPLES 2"
280	BRONZE NIPPLES 2-1/2"
280	BRONZE NIPPLES 3"
280	BRONZE NIPPLES 3/4"
280	BRONZE NIPPLES 3/8"
280	BRONZE NIPPLES 4"
291	1 Plug, Sq. Hd.
291	1/2 Plug, Sq. Hd.
291	1/4 Plug, Sq. Hd.
291	1/8 Plug, Sq. Hd.
291	1-1/2 Plug, Sq. Hd.
291	1-1/4 Plug, Sq. Hd.
291	2 Plug, Sq. Hd.
291	2-1/2 Plug, Sq. Hd.
291	3 Plug, Sq. Hd.
291	3/4 Plug, Sq. Hd.
291	3/8 Plug, Sq. Hd.
291	4 Plug, Sq. Hd.
291	5 Plug, Sq. Hd.
291	6 Plug, Sq. Hd.
291	BRONZE PLUGS CORED 1"
291	BRONZE PLUGS CORED 1/2"
291	BRONZE PLUGS CORED 1/4"
291	BRONZE PLUGS CORED 1/8"
291	BRONZE PLUGS CORED 1-1/2"
291	BRONZE PLUGS CORED 1-1/4"

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Model Number	Description
291	BRONZE PLUGS CORED 2"
291	BRONZE PLUGS CORED 2-1/2"
291	BRONZE PLUGS CORED 3"
291	BRONZE PLUGS CORED 3/4"
291	BRONZE PLUGS CORED 3/8"
291	BRONZE PLUGS CORED 4"
300	1 End Cap
300	1/2 End Cap
300	1/4 End Cap
300	1/8 End Cap
300	1-1/2 End Cap
300	1-1/4 End Cap
300	2 End Cap
300	2-1/2 End Cap
300	3 End Cap
300	3/4 End Cap
300	3/8 End Cap
300	3-1/2 End Cap
300	4 End Cap
300	5 End Cap
300	6 End Cap
300	BRONZE CAPS 1"
300	BRONZE CAPS 1/2"
300	BRONZE CAPS 1/4"
300	BRONZE CAPS 1/8"
300	BRONZE CAPS 1-1/2"
300	BRONZE CAPS 1-1/4"
300	BRONZE CAPS 2"
300	BRONZE CAPS 2-1/2"

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Model Number	Description
300	BRONZE CAPS 3"
300	BRONZE CAPS 3/4"
300	BRONZE CAPS 3/8"
300	BRONZE CAPS 4"
310	1 Locknuts
310	1/2 Locknuts
310	1/4 Locknuts
310	1/8 Locknuts
310	1-1/2 Locknuts
310	1-1/4 Locknuts
310	2 Locknuts
310	3/4 Locknuts
310	3/8 Locknuts
310	BRONZE LOCKNUTS 1"
310	BRONZE LOCKNUTS 1/2"
310	BRONZE LOCKNUTS 1/4"
310	BRONZE LOCKNUTS 1/8"
310	BRONZE LOCKNUTS 1-1/2"
310	BRONZE LOCKNUTS 1-1/4"
310	BRONZE LOCKNUTS 2"
310	BRONZE LOCKNUTS 2-1/2"
310	BRONZE LOCKNUTS 3/4"
310	BRONZE LOCKNUTS 3/8"
321	1 Flange
321	1/2 Flange
321	1/4 Flange
321	1/8 Flange
321	1-1/2 Flange
321	1-1/4 Flange

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Model Number	Description
321	2 Flange
321	2-1/2 Flange
321	3 Flange
321	3/4 Flange
321	3/8 Flange
321	4 Flange
342	1 Unions
342	1/2 Unions
342	1/4 Unions
342	1/8 Unions
342	1-1/2 Unions
342	1-1/4 Unions
342	2 Unions
342	2-1/2 Unions
342	3 Unions
342	3/4 Unions
342	3/8 Unions
342	4 Unions
342	BRONZE UNIONS 1"
342	BRONZE UNIONS 1/2"
342	BRONZE UNIONS 1/4"
342	BRONZE UNIONS 1/8"
342	BRONZE UNIONS 1-1/2"
342	BRONZE UNIONS 1-1/4"
342	BRONZE UNIONS 2"
342	BRONZE UNIONS 2-1/2"
342	BRONZE UNIONS 3"
342	BRONZE UNIONS 3/4"
342	BRONZE UNIONS 3/8"

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Model Number	Description
342	BRONZE UNIONS 4"
529	1 Extension Piece
529	1/2 Extension Piece
529	1/4 Extension Piece
529	1-1/2 Extension Piece
529	1-1/4 Extension Piece
529	2 Extension Piece
529	2-1/2 Extension Piece
529	3 Extension Piece
529	3/4 Extension Piece
529	3/8 Extension Piece
529	4 Extension Piece
529	BRONZE EXTENSION PIECES 1"
529	BRONZE EXTENSION PIECES 1/2"
529	BRONZE EXTENSION PIECES 3/4"
1221	1 Side Outlet Elbow
1221	1/2 Side Outlet Elbow
1221	1/8 Side Outlet Elbow
1221	1-1/2 Side Outlet Elbow
1221	1-1/4 Side Outlet Elbow
1221	2 Side Outlet Elbow
1221	3/4 Side Outlet Elbow
1221	3/8 Side Outlet Elbow
1223	1 Side Outlet Tee
1223	1/2 Side Outlet Tee
1223	3/4 Side Outlet Tee
130R	1 x 1 x 1/2 Reducing Tee
130R	1 x 1 x 1/4 Reducing Tee
130R	1 x 1 x 1-1/2 Bullhead Tees

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Model Number	Description
130R	1 x 1 x 1-1/4 Bullhead Tees
130R	1 x 1 x 2 Bullhead Tees
130R	1 x 1 x 3/4 Reducing Tee
130R	1 x 1 x 3/8 Reducing Tee
130R	1 x 1/2 x 1 Reducing Tee
130R	1 x 1/2 x 1/2 Reducing Tee
130R	1 x 1/2 x 3/4 Reducing Tee
130R	1 x 3/4 x 1 Reducing Tee
130R	1 x 3/4 x 1/2 Reducing Tee
130R	1 x 3/4 x 3/4 Reducing Tee
130R	1/2 x 1/2 x 1 Bullhead Tees
130R	1/2 x 1/2 x 1/4 Reducing Tee
130R	1/2 x 1/2 x 1/8 Bullhead Tees
130R	1/2 x 1/2 x 3/4 Bullhead Tees
130R	1/2 x 1/2 x 3/8 Reducing Tee
130R	1/2 x 1/4 x 1/2 Reducing Tee
130R	1/2 x 3/8 x 1/2 Reducing Tee
130R	1/4 x 1/4 x 1/8 Bullhead Tees
130R	1-1/2 x 1 x 1 Reducing Tee
130R	1-1/2 x 1 x 1/2 Reducing Tee
130R	1-1/2 x 1 x 1-1/2 Reducing Tee
130R	1-1/2 x 1 x 1-1/4 Reducing Tee
130R	1-1/2 x 1 x 3/4 Reducing Tee
130R	1-1/2 x 1/2 x 1 Reducing Tee
130R	1-1/2 x 1/2 x 1/2 Reducing Tee
130R	1-1/2 x 1/2 x 1-1/2 Reducing Tee
130R	1-1/2 x 1/2 x 1-1/4 Reducing Tee
130R	1-1/2 x 1/2 x 3/4 Reducing Tee
130R	1-1/2 x 1-1/2 x 1 Reducing Tee

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Model Number	Description
130R	1-1/2 x 1-1/2 x 1/2 Reducing Tee
130R	1-1/2 x 1-1/2 x 1-1/4 Reducing Tee
130R	1-1/2 x 1-1/2 x 2 Bullhead Tees
130R	1-1/2 x 1-1/2 x 3/4 Reducing Tee
130R	1-1/2 x 1-1/4 x 1 Reducing Tee
130R	1-1/2 x 1-1/4 x 1/2 Reducing Tee
130R	1-1/2 x 1-1/4 x 1-1/2 Reducing Tee
130R	1-1/2 x 1-1/4 x 1-1/4 Reducing Tee
130R	1-1/2 x 1-1/4 x 2 Reducing Tee
130R	1-1/2 x 1-1/4 x 3/4 Reducing Tee
130R	1-1/2 x 3/4 x 1 Reducing Tee
130R	1-1/2 x 3/4 x 1/2 Reducing Tee
130R	1-1/2 x 3/4 x 1-1/2 Reducing Tee
130R	1-1/2 x 3/4 x 1-1/4 Reducing Tee
130R	1-1/2 x 3/4 x 3/4 Reducing Tee
130R	1-1/4 x 1 x 1 Reducing Tee
130R	1-1/4 x 1 x 1/2 Reducing Tee
130R	1-1/4 x 1 x 1-1/2 Reducing Tee
130R	1-1/4 x 1 x 1-1/4 Reducing Tee
130R	1-1/4 x 1 x 3/4 Reducing Tee
130R	1-1/4 x 1/2 x 1 Reducing Tee
130R	1-1/4 x 1/2 x 1/2 Reducing Tee
130R	1-1/4 x 1/2 x 1-1/4 Reducing Tee
130R	1-1/4 x 1/2 x 3/4 Reducing Tee
130R	1-1/4 x 1-1/4 x 1 Reducing Tee
130R	1-1/4 x 1-1/4 x 1/2 Reducing Tee
130R	1-1/4 x 1-1/4 x 1-1/2 Bullhead Tees
130R	1-1/4 x 1-1/4 x 2 Bullhead Tees
130R	1-1/4 x 1-1/4 x 3/4 Reducing Tee

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Model Number	Description
130R	1-1/4 x 1-1/4 x 3/8 Reducing Tee
130R	1-1/4 x 3/4 x 1 Reducing Tee
130R	1-1/4 x 3/4 x 1/2 Reducing Tee
130R	1-1/4 x 3/4 x 1-1/4 Reducing Tee
130R	1-1/4 x 3/4 x 3/4 Reducing Tee
130R	2 x 1 x 1 Reducing Tee
130R	2 x 1 x 1-1/2 Reducing Tee
130R	2 x 1 x 2 Reducing Tee
130R	2 x 1 x 3/4 Reducing Tee
130R	2 x 1/2 x 2 Reducing Tee
130R	2 x 1-1/2 x 1 Reducing Tee
130R	2 x 1-1/2 x 1/2 Reducing Tee
130R	2 x 1-1/2 x 1-1/2 Reducing Tee
130R	2 x 1-1/2 x 1-1/4 Reducing Tee
130R	2 x 1-1/2 x 2 Reducing Tee
130R	2 x 1-1/2 x 3/4 Reducing Tee
130R	2 x 1-1/4 x 1 Reducing Tee
130R	2 x 1-1/4 x 1-1/2 Reducing Tee
130R	2 x 1-1/4 x 1-1/4 Reducing Tee
130R	2 x 1-1/4 x 2 Reducing Tee
130R	2 x 2 x 1 Reducing Tee
130R	2 x 2 x 1/2 Reducing Tee
130R	2 x 2 x 1-1/2 Reducing Tee
130R	2 x 2 x 1-1/4 Reducing Tee
130R	2 x 2 x 2-1/2 Bullhead Tees
130R	2 x 2 x 3/4 Reducing Tee
130R	2 x 3/4 x 2 Reducing Tee
130R	2-1/2 x 1-1/2 x 2 Reducing Tee
130R	2-1/2 x 1-1/2 x 2-1/2 Reducing Tee

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Model Number	Description
130R	2-1/2 x 2 x 2 Reducing Tee
130R	2-1/2 x 2 x 2-1/2 Reducing Tee
130R	2-1/2 x 2-1/2 x 1 Reducing Tee
130R	2-1/2 x 2-1/2 x 1/2 Reducing Tee
130R	2-1/2 x 2-1/2 x 1-1/2 Reducing Tee
130R	2-1/2 x 2-1/2 x 1-1/4 Reducing Tee
130R	2-1/2 x 2-1/2 x 2 Reducing Tee
130R	2-1/2 x 2-1/2 x 3/4 Reducing Tee
130R	3 x 2 x 2 Reducing Tee
130R	3 x 2 x 3 Reducing Tee
130R	3 x 3 x 1 Reducing Tee
130R	3 x 3 x 1/2 Reducing Tee
130R	3 x 3 x 1-1/2 Reducing Tee
130R	3 x 3 x 1-1/4 Reducing Tee
130R	3 x 3 x 2 Reducing Tee
130R	3 x 3 x 2-1/2 Reducing Tee
130R	3 x 3 x 3/4 Reducing Tee
130R	3/4 x 1/2 x 1 Reducing Tee
130R	3/4 x 1/2 x 1/2 Reducing Tee
130R	3/4 x 1/2 x 3/4 Reducing Tee
130R	3/4 x 3/4 x 1 Bullhead Tees
130R	3/4 x 3/4 x 1/2 Reducing Tee
130R	3/4 x 3/4 x 1/4 Reducing Tee
130R	3/4 x 3/4 x 1-1/4 Reducing Tee
130R	3/4 x 3/4 x 3/8 Reducing Tee
130R	3/8 x 3/8 x 1/2 Bullhead Tees
130R	3/8 x 3/8 x 1/4 Bullhead Tees
130R	3/8 x 3/8 x 1/8 Bullhead Tees
130R	4 x 4 x 1 Reducing Tee

IAPMO RESEARCH AND TESTING, INC.

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LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

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Model Number	Description
130R	4 x 4 x 1/2 Reducing Tee
130R	4 x 4 x 1-1/2 Reducing Tee
130R	4 x 4 x 1-1/4 Reducing Tee
130R	4 x 4 x 2 Reducing Tee
130R	4 x 4 x 2-1/2 Reducing Tee
130R	4 x 4 x 3 Reducing Tee
130R	4 x 4 x 3/4 Reducing Tee
130R	BRONZE RED. TEES 1/2X1/2X3/4"
130R	BRONZE RED. TEES 1/2X1/2X3/8"
130R	BRONZE RED. TEES 1/2X1/4"
130R	BRONZE RED. TEES 1/2X1/4X1/2"
130R	BRONZE RED. TEES 1-1/2X1"
130R	BRONZE RED. TEES 1-1/2X1/2"
130R	BRONZE RED. TEES 1-1/2X1/2X1-1/2"
130R	BRONZE RED. TEES 1-1/2X1-1/4"
130R	BRONZE RED. TEES 1-1/2X11/4X1-1/4"
130R	BRONZE RED. TEES 1-1/2X3/4"
130R	BRONZE RED. TEES 1-1/2X3/8"
130R	BRONZE RED. TEES 1-1/4X1"
130R	BRONZE RED. TEES 1-1/4X1/2"
130R	BRONZE RED. TEES 1-1/4X1/2X1-1/4"
130R	BRONZE RED. TEES 1-1/4X1X1-1/4"
130R	BRONZE RED. TEES 1-1/4X1X3/4"
130R	BRONZE RED. TEES 1-1/4X3/4"
130R	BRONZE RED. TEES 1-1/4X3/4X1"
130R	BRONZE RED. TEES 1-1/4X3/4X1-1/4"
130R	BRONZE RED. TEES 1-1/4X3/8"
130R	BRONZE RED. TEES 1X1/2"
130R	BRONZE RED. TEES 1X1/2X1"

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Model Number	Description
130R	BRONZE RED. TEES 1X1/2X1/2"
130R	BRONZE RED. TEES 1X1/2X3/4"
130R	BRONZE RED. TEES 1X1/4"
130R	BRONZE RED. TEES 1X1X1-1/2"
130R	BRONZE RED. TEES 1X1X1-1/4"
130R	BRONZE RED. TEES 1X3/4"
130R	BRONZE RED. TEES 1X3/4X1"
130R	BRONZE RED. TEES 1X3/4X1/2"
130R	BRONZE RED. TEES 1X3/4X3/4"
130R	BRONZE RED. TEES 1X3/8"
130R	BRONZE RED. TEES 2-1/2X1-1/2"
130R	BRONZE RED. TEES 2-1/2X1-1/4"
130R	BRONZE RED. TEES 2-1/2X2"
130R	BRONZE RED. TEES 2X1"
130R	BRONZE RED. TEES 2X1/2"
130R	BRONZE RED. TEES 2X1/2X2"
130R	BRONZE RED. TEES 2X1-1/2"
130R	BRONZE RED. TEES 2X1-1/4"
130R	BRONZE RED. TEES 2X3/4"
130R	BRONZE RED. TEES 2X3/8"
130R	BRONZE RED. TEES 3/4X1/2"
130R	BRONZE RED. TEES 3/4X1/2X1/2"
130R	BRONZE RED. TEES 3/4X1/2X3/4"
130R	BRONZE RED. TEES 3/4X1/4"
130R	BRONZE RED. TEES 3/4X3/4X1"
130R	BRONZE RED. TEES 3/4X3/8"
130R	BRONZE RED. TEES 3/8X1/4"
130R	BRONZE RED. TEES 3/8X1/8"
130R	BRONZE RED. TEES 3X1"

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Model Number	Description
130R	BRONZE RED. TEES 3X2"
130R	BRONZE RED. TEES 3X2-1/2"
130R	BRONZE RED. TEES 3X3/4"
130R	BRONZE RED. TEES 4X2"
130R	BRONZE RED. TEES 4X3"
180R	1 x 3/4 Reducing Cross
180R	1-1/2 x 1 Reducing Cross
180R	1-1/2 x 1-1/4 Reducing Cross
180R	1-1/2 x 3/4 Reducing Cross
180R	1-1/4 x 1 Reducing Cross
180R	1-1/4 x 3/4 Reducing Cross
180R	2 x 1 Reducing Cross
180R	2 x 1-1/2 Reducing Cross
180R	2 x 1-1/4 Reducing Cross
180R	2 x 3/4 Reducing Cross
180R	2-1/2 x 1 Reducing Cross
180R	2-1/2 x 1-1/2 Reducing Cross
180R	2-1/2 x 1-1/4 Reducing Cross
180R	2-1/2 x 2 Reducing Cross
180R	3 x 1 Reducing Cross
180R	3 x 1-1/2 Reducing Cross
180R	3 x 1-1/4 Reducing Cross
180R	3 x 2 Reducing Cross
180R	3 x 2-1/2 Reducing Cross
180R	3/4 x 1/2 Reducing Cross
180R	4 x 2-1/2 Reducing Cross
180R	4 x 3 Reducing Cross
220S	1 Coupling R & L
220S	1/2 Coupling R & L

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Model Number	Description
220S	1-1/2 Coupling R & L
220S	1-1/4 Coupling R & L
220S	2 Coupling R & L
220S	3/4 Coupling R & L
220S	4 Coupling R & L
291-4	4 Plug, Cross Slotted
291-4	5 Plug, Cross Slotted
291-4	6 Plug, Cross Slotted
291N	1 Plug, Sq. Socket
291N	1/2 Plug, Sq. Socket
291N	1-1/2 Plug, Sq. Socket
291N	1-1/4 Plug, Sq. Socket
291N	2 Plug, Sq. Socket
291N	2-1/2 Plug, Sq. Socket
291N	3 Plug, Sq. Socket
291N	3/4 Plug, Sq. Socket
291N	4 Plug, Sq. Socket
291N	BRONZE PLUGS CS 1"
291N	BRONZE PLUGS CS 1/2"
291N	BRONZE PLUGS CS 1-1/2"
291N	BRONZE PLUGS CS 1-1/4"
291N	BRONZE PLUGS CS 2"
291N	BRONZE PLUGS CS 2-1/2"
291N	BRONZE PLUGS CS 3"
291N	BRONZE PLUGS CS 3/4"
291N	BRONZE PLUGS CS 4"
291S	1 Plug, Solid Sq.
291S	1/2 Plug, Solid Sq.
291S	1/4 Plug, Solid Sq.

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Model Number	Description
291S	1/8 Plug, Solid Sq.
291S	1-1/2 Plug, Solid Sq.
291S	1-1/4 Plug, Solid Sq.
291S	2 Plug, Solid Sq.
291S	2-1/2 Plug, Solid Sq.
291S	3 Plug, Solid Sq.
291S	3/4 Plug, Solid Sq.
291S	3/8 Plug, Solid Sq.
291S	3-1/2 Plug, Solid Sq.
291S	4 Plug, Solid Sq.
291S	BRONZE PLUGS SOLID 1"
291S	BRONZE PLUGS SOLID 1/2"
291S	BRONZE PLUGS SOLID 1/4"
291S	BRONZE PLUGS SOLID 1/8"
291S	BRONZE PLUGS SOLID 1-1/2"
291S	BRONZE PLUGS SOLID 1-1/4"
291S	BRONZE PLUGS SOLID 2"
291S	BRONZE PLUGS SOLID 2-1/2"
291S	BRONZE PLUGS SOLID 3"
291S	BRONZE PLUGS SOLID 3/4"
291S	BRONZE PLUGS SOLID 3/8"
291S	BRONZE PLUGS SOLID 4"
90R	1 x 1/2 Reducing Elbow - 90
90R	1 x 1/4 Reducing Elbow - 90
90R	1 x 3/4 Reducing Elbow - 90
90R	1 x 3/8 Reducing Elbow - 90
90R	1/2 x 1/4 Reducing Elbow - 90
90R	1/2 x 1/8 Reducing Elbow - 90
90R	1/2 x 3/8 Reducing Elbow - 90

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Model Number	Description
90R	1/4 x 1/8 Reducing Elbow - 90
90R	1-1/2 x 1 Reducing Elbow - 90
90R	1-1/2 x 1/2 Reducing Elbow - 90
90R	1-1/2 x 1-1/4 Reducing Elbow - 90
90R	1-1/2 x 3/4 Reducing Elbow - 90
90R	1-1/4 x 1 Reducing Elbow - 90
90R	1-1/4 x 1/2 Reducing Elbow - 90
90R	1-1/4 x 3/4 Reducing Elbow - 90
90R	1-1/4 x 3/8 Reducing Elbow - 90
90R	2 x 1 Reducing Elbow - 90
90R	2 x 1/2 Reducing Elbow - 90
90R	2 x 1-1/2 Reducing Elbow - 90
90R	2 x 1-1/4 Reducing Elbow - 90
90R	2 x 3/4 Reducing Elbow - 90
90R	2-1/2 x 1 Reducing Elbow - 90
90R	2-1/2 x 1/2 Reducing Elbow - 90
90R	2-1/2 x 1-1/2 Reducing Elbow - 90
90R	2-1/2 x 1-1/4 Reducing Elbow - 90
90R	2-1/2 x 2 Reducing Elbow - 90
90R	2-1/2 x 3/4 Reducing Elbow - 90
90R	3 x 1 Reducing Elbow - 90
90R	3 x 1/2 Reducing Elbow - 90
90R	3 x 1-1/2 Reducing Elbow - 90
90R	3 x 1-1/4 Reducing Elbow - 90
90R	3 x 2 Reducing Elbow - 90
90R	3 x 2-1/2 Reducing Elbow - 90
90R	3 x 3/4 Reducing Elbow - 90
90R	3/4 x 1/2 Reducing Elbow - 90
90R	3/4 x 1/4 Reducing Elbow - 90

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Model Number	Description
90R	3/4 x 1/8 Reducing Elbow - 90
90R	3/4 x 3/8 Reducing Elbow - 90
90R	3/8 x 1/4 Reducing Elbow - 90
90R	3/8 x 1/8 Reducing Elbow - 90
90R	4 x 1 Reducing Elbow - 90
90R	4 x 1/2 Reducing Elbow - 90
90R	4 x 1-1/2 Reducing Elbow - 90
90R	4 x 1-1/4 Reducing Elbow - 90
90R	4 x 2 Reducing Elbow - 90
90R	4 x 2-1/2 Reducing Elbow - 90
90R	4 x 3 Reducing Elbow — 90
90R	4 x 3/4 Reducing Elbow - 90
90R	BRONZE RED. ELBOW 1/2X1/4"
90R	BRONZE RED. ELBOW 1/2X1/8"
90R	BRONZE RED. ELBOW 1/2X3/8"
90R	BRONZE RED. ELBOW 1-1/2X1"
90R	BRONZE RED. ELBOW 1-1/2X1/2"
90R	BRONZE RED. ELBOW 1-1/2X1-1/4"
90R	BRONZE RED. ELBOW 1-1/2X3/4"
90R	BRONZE RED. ELBOW 1-1/4X1"
90R	BRONZE RED. ELBOW 1-1/4X1/2"
90R	BRONZE RED. ELBOW 1-1/4X3/4"
90R	BRONZE RED. ELBOW 1-1/4X3/8"
90R	BRONZE RED. ELBOW 1X1/2"
90R	BRONZE RED. ELBOW 1X1/4"
90R	BRONZE RED. ELBOW 1X3/4"
90R	BRONZE RED. ELBOW 1X3/8"
90R	BRONZE RED. ELBOW 2-1/2X1/2"
90R	BRONZE RED. ELBOW 2-1/2X1-1/2"

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Model Number	Description
90R	BRONZE RED. ELBOW 2-1/2X2"
90R	BRONZE RED. ELBOW 2X1"
90R	BRONZE RED. ELBOW 2X1/2"
90R	BRONZE RED. ELBOW 2X1-1/2"
90R	BRONZE RED. ELBOW 2X1-1/4"
90R	BRONZE RED. ELBOW 2X3/4"
90R	BRONZE RED. ELBOW 3/4X1/2"
90R	BRONZE RED. ELBOW 3/4X1/8"
90R	BRONZE RED. ELBOW 3/4X3/8"
90R	BRONZE RED. ELBOW 3/8X1/4"
90R	BRONZE RED. ELBOW 3/8X1/8"
90R	BRONZE RED. ELBOW 3X2"
90R	BRONZE RED. ELBOW 3X2-1/2"
90R	BRONZE RED. ELBOW 4X2"
90R	BRONZE RED. ELBOW 4X3"
ENC 10	ZINC PLATED REGULAR MALE ADAPTER 3/8"
ENC 100	ZINC PLATED REGULAR MALE ADAPTER 4"
ENC 125	ZINC PLATED REGULAR MALE ADAPTER 5"
ENC 15	ZINC PLATED REGULAR MALE ADAPTER 1/2"
ENC 150	ZINC PLATED REGULAR MALE ADAPTER 6"
ENC 20	ZINC PLATED REGULAR MALE ADAPTER 3/4"
ENC 25	ZINC PLATED REGULAR MALE ADAPTER 1"
ENC 32	ZINC PLATED REGULAR MALE ADAPTER 1-1/4"
ENC 40	ZINC PLATED REGULAR MALE ADAPTER 1-1/2"
ENC 50	ZINC PLATED REGULAR MALE ADAPTER 2"
ENC 65	ZINC PLATED REGULAR MALE ADAPTER 2-1/2"
ENC 80	ZINC PLATED REGULAR MALE ADAPTER 3"
ENC 90	ZINC PLATED REGULAR MALE ADAPTER 3-1/2"
ENCC 10	ZINC PLATED HOSE X HOSE COUPLING 3/8"

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Model Number	Description
ENCC 100	ZINC PLATED HOSE X HOSE COUPLING 4"
ENCC 125	ZINC PLATED HOSE X HOSE COUPLING 5"
ENCC 15	ZINC PLATED HOSE X HOSE COUPLING 1/2"
ENCC 150	ZINC PLATED HOSE X HOSE COUPLING 6"
ENCC 20	ZINC PLATED HOSE X HOSE COUPLING 3/4"
ENCC 25	ZINC PLATED HOSE X HOSE COUPLING 1"
ENCC 32	ZINC PLATED HOSE X HOSE COUPLING 1-1/4"
ENCC 40	ZINC PLATED HOSE X HOSE COUPLING 1-1/2"
ENCC 50	ZINC PLATED HOSE X HOSE COUPLING 2"
ENCC 65	ZINC PLATED HOSE X HOSE COUPLING 2-1/2"
ENCC 80	ZINC PLATED HOSE X HOSE COUPLING 3"
ENCC 90	ZINC PLATED HOSE X HOSE COUPLING 3 1/2"
G220	6" Coupling
SCC	SHORT COMPRESSION COUPLING 1/2"
SCC	SHORT COMPRESSION COUPLING 3/4"
SCC	SHORT COMPRESSION COUPLING 1"
SCC	SHORT COMPRESSION COUPLING 1 1/4"
SCC	SHORT COMPRESSION COUPLING 1 1/2"
SCC	SHORT COMPRESSION COUPLING 2"
SCC	SHORT COMPRESSION COUPLING 2 1/2"
SCC	SHORT COMPRESSION COUPLING 3"
LCC	LONG COMPRESSION COUPLING 1/2"
LCC	LONG COMPRESSION COUPLING 3/4"
LCC	LONG COMPRESSION COUPLING 1"
LCC	LONG COMPRESSION COUPLING 1 1/4"
LCC	LONG COMPRESSION COUPLING 1 1/2"
LCC	LONG COMPRESSION COUPLING 2"
LCC	LONG COMPRESSION COUPLING 2 1/2"
LCC	LONG COMPRESSION COUPLING 3"

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Model Number	Description
LCC	LONG COMPRESSION COUPLING 4"

xx	may be different sizes
1-1/2"	
2"	
2-1/2"	
3"	
4"	
5"	
6"	
8"	
10"	
12"	
14"	
16"	
18"	
20"	
24"	
28"	
30"	

Sch. 40, 80, 160 and XXS, Welded And Seamless Hot-Dipped Galvanized Steel Pipe Nipples

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"

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Model Number
1-1/4"
1-1/2"
2"
2-1/2"
3"
4"
5"
6"

Standard And Extra-Strong Brass Pipe Nipples

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
4"
6"

Standard, Half And Extra-Strong Steel Merchant Couplings

Model Number
1/8"

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Model Number
1/4"
3/8"
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
3-1/2"
4"
5"
6"

Sch. 40 And Sch. 80 Welded and Seamless Stainless Steel Nipples

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
3-1/2"

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Model Number
4"
5"
6"

Model Number	Description
ECN 1/2X21/2	TXT DIELECTRIC NIPPLE 1/2X21/2
ECN 1/2X3	TXT DIELECTRIC NIPPLE 1/2X3
ECN 3/4X2	TXT DIELECTRIC NIPPLE 3/4X2
ECN 3/4X21/2	TXT DIELECTRIC NIPPLE 3/4X21/2
ECN 3/4X3	TXT DIELECTRIC NIPPLE 3/4X3
ECN 3/4X4	TXT DIELECTRIC NIPPLE 3/4X4
ECN 1X21/2	TXT DIELECTRIC NIPPLE 1X21/2
ECN 1X3	TXT DIELECTRIC NIPPLE 1X3
ECN 1X4	TXT DIELECTRIC NIPPLE 1X4
ECN 11/4X4	TXT DIELECTRIC NIPPLE 11/4X4
ECN 11/2X4	TXT DIELECTRIC NIPPLE 11/2X4
ECN 2X4	TXT DIELECTRIC NIPPLE 2X4
ECN 21/2X6	TXT DIELECTRIC NIPPLE 21/2X6
ECN 3X6	TXT DIELECTRIC NIPPLE 3X6
ECN 31/2X6	TXT DIELECTRIC NIPPLE 31/2X6
ECN 4X6	TXT DIELECTRIC NIPPLE 4X6

Model Number	Description
1220	NO-LEAD BRONZE COUPLING 1/2"
130R	NO-LEAD BRONZE RED. TEES 11/2X3/8"
130R	NO-LEAD BRONZE RED. TEES 21/2X1"
130R	NO-LEAD BRONZE RED. TEES 3X11/2"
240	NO-LEAD BRONZE RED. COUPLING 3X1"
240	NO-LEAD BRONZE RED. COUPLING 4X21/2"

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Model Number	Description
240	NO-LEAD BRONZE RED. COUPLINGS 3X11/2"
240	NO-LEAD BRONZE RED. COUPLINGS 3X11/4"
241N	NO-LEAD BRONZE BUSHINGS 11/4X3/8"
241N	NO-LEAD BRONZE BUSHINGS 3X1/2"
241N	NO-LEAD BRONZE BUSHINGS 4X11/2"
245	NO-LEAD BRONZE HEXAGON NIPPLES REDUCING 1/4X1/8"
245	NO-LEAD BRONZE HEXAGON NIPPLES REDUCING 3/8X1/4"
246	NO-LEAD BRONZE ADAPTER FXM 1/2X1/2"
246	NO-LEAD BRONZE ADAPTER FXM 1/2X3/8"
246	NO-LEAD BRONZE ADAPTER FXM 1/4X1/8"
246	NO-LEAD BRONZE ADAPTER FXM 3/4X1/2"
246	NO-LEAD BRONZE ADAPTER FXM 3/8X1/4"
292	NO-LEAD BRONZE HEX HEAD PLUGS 1/2"
292	NO-LEAD BRONZE HEX HEAD PLUGS 1/4"
292	NO-LEAD BRONZE HEX HEAD PLUGS 1/8"
292	NO-LEAD BRONZE HEX HEAD PLUGS 3/4"
292	NO-LEAD BRONZE HEX HEAD PLUGS 3/8"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 1"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 1-1/2"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 1-1/4"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 2"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 2-1/2"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 3"
321H	NO-LEAD BRONZE COMPANION FLANGE SOLDER 4"
321HL	NO-LEAD BRONZE COMPANION FLANGE SOLDER 2"
321J	NO-LEAD BRONZE FLOOR FLANGE 1"
321J	NO-LEAD BRONZE FLOOR FLANGE 1/2"
321J	NO-LEAD BRONZE FLOOR FLANGE 1-1/2"
321J	NO-LEAD BRONZE FLOOR FLANGE 1-1/4"

IAPMO RESEARCH AND TESTING, INC.

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LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

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Model Number	Description
321J	NO-LEAD BRONZE FLOOR FLANGE 3/4"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 1"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 1/2"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 1-1/2"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 1-1/4"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 2"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 2-1/2"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 3"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 3/4"
321L	NO-LEAD BRONZE COMPANION FLANGE THREADED 4"
321S	NO-LEAD BRONZE FLANGE 3/4"
321T	NO-LEAD BRONZE FLANGE 3"
90R	NO-LEAD BRONZE RED. ELBOW 3/4X1/4"
91	1/2 CF 90 ELBOW 707-3
91	3/4 CF 90 ELBOW 707-3
91C	1/2 CFDE 90 ELBOW 707-3-5
E240CS	114 GXG DIELECTRIC NIPPLE 4X6
E240CS	168 GXG DIELECTRIC NIPPLE 6X6
E240CS	60 GXG DIELECTRIC NIPPLE 2X4
E240CS	73 GXG DIELECTRIC NIPPLE 2-1/2X6
E240CS	89 GXG DIELECTRIC NIPPLE 3X6
ECNG	11/2X4 GXT DIELECTRIC NIPPLE 1-1/2X4
ECNG	11/4X4 GXT DIELECTRIC NIPPLE 1-1/4X4
ECNG	1X4 GXT DIELECTRIC NIPPLE 1X4
ECNG	21/2X6 GXT DIELECTRIC NIPPLE 2-1/2X6
ECNG	2X4 GXT DIELECTRIC NIPPLE 2X4
ECNG	3X6 GXT DIELECTRIC NIPPLE 3X6
ECNG	4X6 GXT DIELECTRIC NIPPLE 4X6

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Platinum Line Sch. 40, 80, 160, XXS, Welded and Seamless Steel Pipe Nipples

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
3-1/2"
4"
5"
6"

Platinum Line Malleable Iron Pipe Fittings

Model Number	Description
120	1 Elbow 45
120	1/2 Elbow 45
120	1/4 Elbow 45
120	1/8 Elbow 45
120	11/2 Elbow 45
120	11/4 Elbow 45
120	2 Elbow 45
120	21/2 Elbow 45
120	3 Elbow 45

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Model Number	Description
120	3/4 Elbow 45
120	3/8 Elbow 45
120	4 Elbow 45
120	5 Elbow 45
120	6 Elbow 45
121	1 Street Elbow 45
121	1/2 Street Elbow 45
121	1/4 Street Elbow 45
121	1/8 Street Elbow 45
121	11/2 Street Elbow 45
121	11/4 Street Elbow 45
121	2 Street Elbow 45
121	21/2 Street Elbow 45
121	3 Street Elbow 45
121	3/4 Street Elbow 45
121	3/8 Street Elbow 45
121	4 Street Elbow 45
1221	1 Side Outlet Elbow
1221	1/2 Side Outlet Elbow
1221	1/8 Side Outlet Elbow
1221	11/2 Side Outlet Elbow
1221	11/4 Side Outlet Elbow
1221	2 Side Outlet Elbow
1221	3/4 Side Outlet Elbow
1221	3/8 Side Outlet Elbow
1223	1 Side Outlet Tee
1223	1/2 Side Outlet Tee
1223	3/4 Side Outlet Tee
1223	11/4 Side Outlet Tee

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Model Number	Description
130	1 Equal Tee
130	1/2 Equal Tee
130	1/4 Equal Tee
130	1/8 Equal Tee
130	11/2 Equal Tee
130	11/4 Equal Tee
130	2 Equal Tee
130	21/2 Equal Tee
130	3 Equal Tee
130	3/4 Equal Tee
130	3/8 Equal Tee
130	31/2" Equal Tee
130	4 Equal Tee
130	5 Equal Tee
130	6 Equal Tee
130R	1X1X1/2 Reducing Tee
130R	1X1X1/4 Reducing Tee
130R	1X1X11/2 Reducing Tee
130R	1X1X11/4 Reducing Tee
130R	1X1X2 Reducing Tee
130R	1X1X3/4 Reducing Tee
130R	1X1X3/8 Reducing Tee
130R	1X1/2X1 Reducing Tee
130R	1X1/2X1/2 Reducing Tee
130R	1X1/2X3/4 Reducing Tee
130R	1X3/4X1 Reducing Tee
130R	1X3/4X1/2 Reducing Tee
130R	1X3/4X3/4 Reducing Tee
130R	1/2X1/2X1 Reducing Tee

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Model Number	Description
130R	1/2X1/2X1/4 Reducing Tee
130R	1/2X1/2X1/8 Reducing Tee
130R	1/2X1/2X3/4 Reducing Tee
130R	1/2X1/2X3/8 Reducing Tee
130R	1/2X1/4X1/2 Reducing Tee
130R	1/2X3/8X1/2 Reducing Tee
130R	1/4X1/4X1/8 Reducing Tee
130R	11/2X1X1 Reducing Tee
130R	11/2X1X1/2 Reducing Tee
130R	11/2X1X11/2 Reducing Tee
130R	11/2X1X11/4 Reducing Tee
130R	11/2X1X3/4 Reducing Tee
130R	11/2X1/2X1/2 Reducing Tee
130R	11/2X1/2X1 Reducing Tee
130R	11/2X1/2X11/2 Reducing Tee
130R	11/2X1/2X11/4 Reducing Tee
130R	11/2X1/2X3/4 Reducing Tee
130R	11/2X11/2X1 Reducing Tee
130R	11/2X11/2X1/2 Reducing Tee
130R	11/2X11/2X11/4 Reducing Tee
130R	11/2X11/2X2 Reducing Tee
130R	11/2X11/2X3/4 Reducing Tee
130R	11/2X11/4X1 Reducing Tee
130R	11/2X11/4X1/2 Reducing Tee
130R	11/2X11/4X11/2 Reducing Tee
130R	11/2X11/4X11/4 Reducing Tee
130R	11/2X11/4X2 Reducing Tee
130R	11/2X11/4X3/4 Reducing Tee
130R	11/2X3/4X1 Reducing Tee

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Model Number	Description
130R	11/2X3/4X1/2 Reducing Tee
130R	11/2X3/4X11/2 Reducing Tee
130R	11/2X3/4X11/4 Reducing Tee
130R	11/2X3/4X3/4 Reducing Tee
130R	11/4X1X1 Reducing Tee
130R	11/4X1X1/2 Reducing Tee
130R	11/4X1X11/2 Reducing Tee
130R	11/4X1X11/4 Reducing Tee
130R	11/4X1X3/4 Reducing Tee
130R	11/4X1/2X1 Reducing Tee
130R	11/4X1/2X1/2 Reducing Tee
130R	11/4X1/2X11/4 Reducing Tee
130R	11/4X1/2X3/4 Reducing Tee
130R	11/4X11/4X1 Reducing Tee
130R	11/4X11/4X1/2 Reducing Tee
130R	11/4X11/4X11/2 Reducing Tee
130R	11/4X11/4X2 Reducing Tee
130R	11/4X11/4X3/4 Reducing Tee
130R	11/4X11/4X3/8 Reducing Tee
130R	11/4X3/4X1 Reducing Tee
130R	11/4X3/4X1/2 Reducing Tee
130R	11/4X3/4X11/4 Reducing Tee
130R	11/4X3/4X3/4 Reducing Tee
130R	2X1X1 Reducing Tee
130R	2X1X11/2 Reducing Tee
130R	2X1X2 Reducing Tee
130R	2X1X3/4 Reducing Tee
130R	2X1/2X2 Reducing Tee
130R	2X11/2X1 Reducing Tee

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Model Number	Description
130R	2X11/2X1/2 Reducing Tee
130R	2X11/2X11/2 Reducing Tee
130R	2X11/2X11/4 Reducing Tee
130R	2X11/2X2 Reducing Tee
130R	2X11/2X3/4 Reducing Tee
130R	2X11/4X1 Reducing Tee
130R	2X11/4X11/2 Reducing Tee
130R	2X11/4X11/4 Reducing Tee
130R	2X11/4X2 Reducing Tee
130R	2X2X1 Reducing Tee
130R	2X2X1/2 Reducing Tee
130R	2X2X11/2 Reducing Tee
130R	2X2X11/4 Reducing Tee
130R	2X2X21/2 Reducing Tee
130R	2X2X3/4 Reducing Tee
130R	2X3/4X2 Reducing Tee
130R	21/2X11/2X2 Reducing Tee
130R	21/2X11/2X21/2 Reducing Tee
130R	21/2X21/2X1 Reducing Tee
130R	21/2X21/2X1/2 Reducing Tee
130R	21/2X21/2X11/2 Reducing Tee
130R	21/2X21/2X11/4 Reducing Tee
130R	21/2X21/2X2 Reducing Tee
130R	21/2X21/2X3/4 Reducing Tee
130R	21/2X2X2 Reducing Tee
130R	21/2X2X21/2 Reducing Tee
130R	3X2X2 Reducing Tee
130R	3X2X3 Reducing Tee
130R	3X3X1 Reducing Tee

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Model Number	Description
130R	3X3X1/2 Reducing Tee
130R	3X3X11/2 Reducing Tee
130R	3X3X11/4 Reducing Tee
130R	3X3X2 Reducing Tee
130R	3X3X21/2 Reducing Tee
130R	3X3X3/4 Reducing Tee
130R	3/4X1/2X1 Reducing Tee
130R	3/4X1/2X1/2 Reducing Tee
130R	3/4X1/2X3/4 Reducing Tee
130R	3/4X3/4X1 Reducing Tee
130R	3/4X3/4X1/2 Reducing Tee
130R	3/4X3/4X1/4 Reducing Tee
130R	3/4X3/4X11/4 Reducing Tee
130R	3/4X3/4X3/8 Reducing Tee
130R	3/8X3/8X1/2 Reducing Tee
130R	3/8X3/8X1/4 Reducing Tee
130R	3/8X3/8X1/8 Reducing Tee
130R	4X4X1 Reducing Tee
130R	4X4X1/2 Reducing Tee
130R	4X4X11/2 Reducing Tee
130R	4X4X11/4 Reducing Tee
130R	4X4X2 Reducing Tee
130R	4X4X21/2 Reducing Tee
130R	4X4X3 Reducing Tee
130R	4X4X3/4 Reducing Tee
130R	11/2X11/2X21/2 Reducing Tee
130R	11/2X11/2X3/8 Reducing Tee
130R	11/4X11/4X1/4 Reducing Tee
130R	1X1/4X1 Reducing Tee

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Model Number	Description
130R	1X1X21/2 Reducing Tee
130R	2X3/4X3/4 Reducing Tee
130R	6X6X3 Reducing Tee
130R	6X6X4 Reducing Tee
134	1 Service Tee
134	1/2 Service Tee
134	1/4 Service Tee
134	11/2 Service Tee
134	11/4 Service Tee
134	2 Service Tee
134	3/4 Service Tee
165	1 Lateral Y Branch
165	1/2 Lateral Y Branch
165	11/2 Lateral Y Branch
165	11/4 Lateral Y Branch
165	2 Lateral Y Branch
165	21/2 Lateral Y Branch
165	3 Lateral Y Branch
165	3/4 Lateral Y Branch
165	3/8 Lateral Y Branch
165	4 Lateral Y Branch
180	1 Equal Cross
180	1/2 Equal Cross
180	1/4 Equal Cross
180	1/8 Equal Cross
180	11/2 Equal Cross
180	11/4 Equal Cross
180	2 Equal Cross
180	21/2 Equal Cross

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Model Number	Description
180	3 Equal Cross
180	3/4 Equal Cross
180	3/8 Equal Cross
180	31/2 Equal Cross
180	4 Equal Cross
180	5 Equal Cross
180	6 Equal Cross
180R	1X3/4 Reducing Cross
180R	11/2X1 Reducing Cros
180R	11/2X11/4 Reducing Cros
180R	11/2X3/4 Reducing Cross
180R	11/4X1 Reducing Cross
180R	11/4X3/4 Reducing Cross
180R	2X1 Reducing Cross
180R	2X11/2 Reducing Cross
180R	2X11/4 Reducing Cross
180R	2X3/4 Reducing Cross
180R	21/2X1 Reducing Cross
180R	21/2X11/2 Reducing Cross
180R	21/2X11/4 Reducing Cross
180R	21/2X2 Reducing Cross
180R	3X1 Reducing Cross
180R	3X11/2 Reducing Cross
180R	3X11/4 Reducing Cross
180R	3X2 Reducing Cross
180R	3X21/2 Reducing Cross
180R	3/4X1/2 Reducing Cross
180R	4X21/2 Reducing Cross
180R	4X3 Reducing Cross

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Model Number	Description
180R	11/4X1/2 Reducing Cross
180R	4X1 Reducing Cross
180R	Crosses, Banded, Reducing 1 1/4"X3/4"X3/4"X3/4"
220	1 Coupling
220	1/2 Coupling
220	1/4 Coupling
220	1/8 Coupling
220	11/2 Coupling
220	11/4 Coupling
220	2 Coupling
220	21/2 Coupling
220	3 Coupling
220	3/4 Coupling
220	3/8 Coupling
220	4 Coupling
220	5 Coupling
220	6 Coupling
220S	1 Coupling R & L
220S	1/2 Coupling R & L
220S	3/4 Coupling R & L
220S	11/2 Coupling R & L
220S	11/4 Coupling R & L
220S	2 Coupling R & L
220S	21/2 Coupling R & L
220S	3 Coupling R & L
220S	4 Coupling R & L
240	1X1/2 Reducing Coupling
240	1X1/4 Reducing Coupling
240	1X3/4 Reducing Coupling

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Model Number	Description
240	1X3/8 Reducing Coupling
240	1/2X1/4 Reducing Coupling
240	1/2X1/8 Reducing Coupling
240	1/2X3/8 Reducing Coupling
240	1/4X1/8 Reducing Coupling
240	11/2X1 Reducing Coupling
240	11/2X1/2 Reducing Coupling
240	11/2X1/4 Reducing Coupling
240	11/2X11/4 Reducing Coupling
240	11/2X3/4 Reducing Coupling
240	11/2X3/8 Reducing Coupling
240	11/4x1 Reducing Coupling
240	11/4x1/2 Reducing Coupling
240	11/4x3/4" Reducing Coupling
240	11/4X3/8 Reducing Coupling
240	2X1 Reducing Coupling
240	2X1/2 Reducing Coupling
240	2X11/2 Reducing Coupling
240	2X11/4 Reducing Coupling
240	2X3/4 Reducing Coupling
240	2X3/8 Reducing Coupling
240	21/2X1 Reducing Coupling
240	21/2X11/2 Reducing Coupling
240	21/2X11/4 Reducing Coupling
240	21/2X2 Reducing Coupling
240	21/2X3/4 Reducing Coupling
240	3X1 Reducing Coupling
240	3X11/2 Reducing Coupling
240	3X11/4 Reducing Coupling

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Model Number	Description
240	3X2 Reducing Coupling
240	3X21/2 Reducing Coupling
240	3X3/4 Reducing Coupling
240	3/4X1/2 Reducing Coupling
240	3/4X1/4 Reducing Coupling
240	3/4X1/8 Reducing Coupling
240	3/4X3/8 Reducing Coupling
240	3/8X1/4 Reducing Coupling
240	3/8X1/8 Reducing Coupling
240	4X1 Reducing Coupling
240	4X11/2 Reducing Coupling
240	4X2 Reducing Coupling
240	4X21/2 Reducing Coupling
240	4X3 Reducing Coupling
240	5X4 Reducing Coupling
240	6X2 Reducing Coupling
240	6X3 Reducing Coupling
240	6X4 Reducing Coupling
240	6X5 Reducing Coupling
240	11/4x1/4 Reducing Coupling
240	21/2X1/2 Reducing Coupling
240	4X11/4 Reducing Coupling
241	1X1/2 Bushing
241N	1X1/4 Bushing
241N	1X1/8 Bushing
241	1X3/4 Bushing
241N	1X3/8 Bushing
241	1/2X1/4 Bushing
241	1/2X1/8 Bushing

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Model Number	Description
241	1/2X3/8 Bushing
241	1/4X1/8 Bushing
241	11/2X1 Bushing
241N	11/2X1/2 Bushing
241N	11/2X1/4 Bushing
241	11/2X1/8 Bushing
241	11/2X11/4 Bushing
241N	11/2X3/4 Bushing
241N	11/2X3/8 Bushing
241	11/4X1 Bushing
241N	11/4X1/2 Bushing
241N	11/4X1/4 Bushing
241	11/4X3/4 Bushing
241N	11/4X3/8 Bushing
241N	2X1 Bushing
241N	2X1/2 Bushing
241N	2X1/4 Bushing
241	2X11/2 Bushing
241	2X11/4 Bushing
241N	2X3/4 Bushing
241N	2X3/8 Bushing
241N	21/2X1 Bushing
241N	21/2X1/2 Bushing
241	21/2X11/2 Bushing
241N	21/2X11/4 Bushing
241	21/2X2 Bushing
241N	21/2X3/4 Bushing
241N	3X1 Bushing
241N	3X1/2 Bushing

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Model Number	Description
241N	3X11/2 Bushing
241N	3X11/4 Bushing
241	3X2 Bushing
241	3X21/2 Bushing
241N	3X3/4 Bushing
241	3/4X1/2 Bushing
241	3/4X1/4 Bushing
241	3/4X1/8 Bushing
241	3/4X3/8 Bushing
241	3/8X1/4 Bushing
241	3/8X1/8 Bushing
241	31/2X21/2 Bushing
241	31/2X3 Bushing
241N	4X1 Bushing
241N	4X11/2 Bushing
241N	4X11/4 Bushing
241N	4X2 Bushing
241N	4X21/2 Bushing
241	4X3 Bushing
241N	4X3/4 Bushing
241	4X31/2 Bushing
241N	5X3 Bushing
241	5X4 Bushing
241N	6X2 Bushing
241N	6X3 Bushing
241N	6X4 Bushing
241	6X5" Bushings
241N	31/2X2 Bushing
241N	5X2 Bushing

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Model Number	Description
241N	6X21/2 Bushing
291	1 Plug , Sq. Hd.
291	1/2 Plug , Sq. Hd.
291	1/4 Plug , Sq. Hd.
291	1/8 Plug , Sq. Hd.
291	11/2 Plug , Sq. Hd.
291	11/4 Plug , Sq. Hd.
291	2 Plug , Sq. Hd.
291	21/2 Plug , Sq. Hd.
291	3 Plug , Sq. Hd.
291	3/4 Plug , Sq. Hd.
291	3/8 Plug , Sq. Hd.
291	4 Plug , Sq. Hd.
291	5 Plug , Sq. Hd.
291	6 Plug , Sq. Hd.
291	31/2 Plug , Sq. Hd.
2914	4 Plug , Cross Slotted
2914	5 Plug , Cross Slotted
2914	6 Plug , Cross Slotted
291N	1 Plug, Sq. Socket
291N	1/2 Plug, Sq. Socket
291N	11/2 Plug, Sq. Socket
291N	11/4 Plug, Sq. Socket
291N	2 Plug, Sq. Socket
291N	21/2 Plug, Sq. Socket
291N	3 Plug, Sq. Socket
291N	3/4 Plug, Sq. Socket
291N	4 Plug, Sq. Socket
291S	1 Plug, Solid Sq.

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Model Number	Description
291S	1/2 Plug, Solid Sq.
291S	1/4 Plug, Solid Sq.
291S	1/8 Plug, Solid Sq.
291S	11/2 Plug, Solid Sq.
291S	11/4 Plug, Solid Sq.
291S	2 Plug, Solid Sq.
291S	21/2 Plug, Solid Sq.
291S	3 Plug, Solid Sq.
291S	3/4 Plug, Solid Sq.
291S	3/8 Plug, Solid Sq.
291S	31/2 Plug, Solid Sq.
291S	4 Plug, Solid Sq.
300	1 End Cap
300	1/2 End Cap
300	1/4 End Cap
300	1/8 End Cap
300	11/2 End Cap
300	11/4 End Cap
300	2 End Cap
300	21/2 End Cap
300	3 End Cap
300	3/4 End Cap
300	3/8 End Cap
300	31/2 End Cap
300	4 End Cap
300	5 End Cap
300	6 End Cap
310	1 Locknuts
310	1/2 Locknuts

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Model Number	Description
310	1/4 Locknuts
310	1/8 Locknuts
310	11/2 Locknuts
310	11/4 Locknuts
310	2 Locknuts
310	3/4 Locknuts
310	3/8 Locknuts
310	21/2 Locknuts
310	3 Locknuts
310	4 Locknuts
321	1 Flange
321	1/2 Flange
321	1/4 Flange
321	1/8 Flange
321	11/2 Flange
321	11/4 Flange
321	2 Flange
321	21/2 Flange
321	3 Flange
321	3/4 Flange
321	3/8 Flange
321	4 Flange
321W	Round Flanges, Without Bolt Hole 1"
321W	Round Flanges, Without Bolt Hole 1/2"
321W	Round Flanges, Without Bolt Hole 11/2"
321W	Round Flanges, Without Bolt Hole 11/4"
321W	Round Flanges, Without Bolt Hole 2"
321W	Round Flanges, Without Bolt Hole 3/4"
342	1 Unions

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Model Number	Description
342	1/2 Unions
342	1/4 Unions
342	1/8 Unions
342	11/2 Unions
342	11/4 Unions
342	2 Unions
342	21/2 Unions
342	3 Unions
342	3/4 Unions
342	3/8 Unions
342	4 Unions
342	6 Unions
529A	1 Extention Piece
529A	1/2 Extention Piece
529A	1/4 Extention Piece
529A	11/2 Extention Piece
529A	11/4 Extention Piece
529A	2 Extention Piece
529A	21/2 Extention Piece
529A	3 Extention Piece
529A	3/4 Extention Piece
529A	3/8 Extention Piece
529A	4 Extention Piece
90	1 90 Elbow
90	1/2 90 Elbow
90	1/4 90 Elbow
90	1/8 90 Elbow
90	11/2 90 Elbow
90	11/4 90 Elbow

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Model Number	Description
90	2 90 Elbow
90	21/2 90 Elbow
90	3 90 Elbow
90	3/4 90 Elbow
90	3/8 90 Elbow
90	31/2 90 Elbow
90	4 90 Elbow
90	5 90 Elbow
90	6 90 Elbow
90R	1X1/2 90 Reducing Elbow
90R	1X1/4 90 Reducing Elbow
90R	1X3/4 90 Reducing Elbow
90R	1X3/8 90 Reducing Elbow
90R	1/2X1/4 90 Reducing Elbow
90R	1/2X1/8 90 Reducing Elbow
90R	1/2X3/8 90 Reducing Elbow
90R	1/4X1/8 90 Reducing Elbow
90R	11/2X1 90 Reducing Elbow
90R	11/2X1/2 90 Reducing Elbow
90R	11/2X11/4 90 Reducing Elbow
90R	11/2X3/4 90 Reducing Elbow
90R	11/4X1 90 Reducing Elbow
90R	11/4X1/2 90 Reducing Elbow
90R	11/4X3/4 90 Reducing Elbow
90R	11/4X3/8 90 Reducing Elbow
90R	2X1 90 Reducing Elbow
90R	2X1/2 90 Reducing Elbow
90R	2X11/2 90 Reducing Elbow
90R	2X11/4 90 Reducing Elbow

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Model Number	Description
90R	2X3/4 90 Reducing Elbow
90R	21/2X1 90 Reducing Elbow
90R	21/2X1/2 90 Reducing Elbow
90R	21/2X11/2 90 Reducing Elbow
90R	21/2X11/4 90 Reducing Elbow
90R	21/2X2 90 Reducing Elbow
90R	21/2X3/4 90 Reducing Elbow
90R	3X1 90 Reducing Elbow
90R	3X1/2 90 Reducing Elbow
90R	3X11/2 90 Reducing Elbow
90R	3X11/4 90 Reducing Elbow
90R	3X2 90 Reducing Elbow
90R	3X21/2 90 Reducing Elbow
90R	3X3/4 90 Reducing Elbow
90R	3/4X1/2 90 Reducing Elbow
90R	3/4X1/4 90 Reducing Elbow
90R	3/4X1/8 90 Reducing Elbow
90R	3/4X3/8 90 Reducing Elbow
90R	3/8X1/4 90 Reducing Elbow
90R	3/8X1/8 90 Reducing Elbow
90R	4X1 90 Reducing Elbow
90R	4X1/2 90 Reducing Elbow
90R	4X11/2 90 Reducing Elbow
90R	4X11/4 90 Reducing Elbow
90R	4X2 90 Reducing Elbow
90R	4X21/2 90 Reducing Elbow
90R	4X3 90 Reducing Elbow
90R	4X3/4 90 Reducing Elbow
90R	6X4 90 Reducing Elbow

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Model Number	Description
92	1 90 Street Elbow
92	1/2 90 Street Elbow
92	1/4 90 Street Elbow
92	1/8 90 Street Elbow
92	11/2 90 Street Elbow
92	11/4 90 Street Elbow
92	2 90 Street Elbow
92	21/2 90 Street Elbow
92	3 90 Street Elbow
92	3/4 90 Street Elbow
92	3/8 90 Street Elbow
92	4 90 Street Elbow
92	6 90 Street Elbow
LCC	LONG COMPRESSION COUPLING 1 1/2"
LCC	LONG COMPRESSION COUPLING 1 1/4"
LCC	LONG COMPRESSION COUPLING 1"
LCC	LONG COMPRESSION COUPLING 1/2"
LCC	LONG COMPRESSION COUPLING 2 1/2"
LCC	LONG COMPRESSION COUPLING 2"
LCC	LONG COMPRESSION COUPLING 3"
LCC	LONG COMPRESSION COUPLING 3/4"
LCC	LONG COMPRESSION COUPLING 4"
SCC	SHORT COMPRESSION COUPLING 1 1/2"
SCC	SHORT COMPRESSION COUPLING 1 1/4"
SCC	SHORT COMPRESSION COUPLING 1"
SCC	SHORT COMPRESSION COUPLING 1/2"
SCC	SHORT COMPRESSION COUPLING 2 1/2"
SCC	SHORT COMPRESSION COUPLING 2"
SCC	SHORT COMPRESSION COUPLING 3"

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Model Number	Description
SCC	SHORT COMPRESSION COUPLING 3/4"
xx	**may be different sizes**
1-1/2"	
2"	
2-1/2"	
3"	
4"	
5"	
6"	
8"	
10"	
12"	
14"	
16"	
18"	
20"	
24"	
28"	
30"	

Model Number	Description
1GTS	1 1/4"
1GTS	1 1/2"
1GTS	2"
1GTS	2 1/2"
1GTS	76.1
1GTS	3"
1GTS	4"

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Model Number	Description
1GTS	139.7
1GTS	5"
1GTS	165.1
1GTS	6"
1GTS	216.3
1GTS	8"
1NTS	1 1/4"
1NTS	1 1/2"
1NTS	2"
1NTS	2 1/2"
1NTS	76.1
1NTS	3"
1NTS	4"
1NTS	139.7
1NTS	5"
1NTS	165.1
1NTS	6"
1NTS	216.3
1NTS	8"

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Additional Company Information

AY McDonald Mfg.

Model Number	Description
5422-000	72290 1/4 ELBOW 90 DEG-NL
5422-001	72290 3/8 ELBOW 90 DEG-NL
5422-002	72290 1/2 ELBOW 90 DEG-NL
5422-003	72290 3/4 ELBOW 90 DEG-NL
5422-004	72290 1 ELBOW 90 DEG-NL
5422-005	72290 1 1/4 ELBOW 90 DEG-NL
5422-006	72290 1 1/2 ELBOW 90 DEG-NL
5422-007	72290 2 ELBOW 90 DEG-NL
5422-008	72290 2 1/2 ELBOW 90 DEG-NL
5422-009	72290 3 ELBOW 90 DEG-NL
5422-010	72290 4 ELBOW 90 DEG-NL
5422-012	72290 1/2X1/4 REDUCING ELBOW 90 DEG-NL
5422-013	72290 1/2X3/8 REDUCING ELBOW 90 DEG-NL
5422-014	72290 3/4X1/4 REDUCING ELBOW 90 DEG-NL
5422-015	72290 3/4X3/8 REDUCING ELBOW 90 DEG-NL
5422-016	72290 3/4X1/2 REDUCING ELBOW 90 DEG-NL
5422-019	72290 1X1/2 REDUCING ELBOW 90 DEG-NL
5422-020	72290 1X3/4 REDUCING ELBOW 90 DEG-NL
5422-022	72290 1 1/4X3/4 REDUCING ELBOW 90 DEG-NL
5422-023	72290 1 1/4X1 REDUCING ELBOW 90 DEG-NL
5422-026	72290 1 1/2X1 REDUCING ELBOW 90 DEG-NL
5422-027	72290 1 1/2X1 1/4 REDUCING ELBOW 90 DEG-NL
5422-028	72290 2X1 REDUCING ELBOW 90 DEG-NL

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Model Number	Description
5422-029	72290 2X1 1/4 REDUCING ELBOW 90 DEG-NL
5422-030	72290 2X1 1/2 REDUCING ELBOW 90 DEG-NL
5422-033	72290 2 1/2X2 REDUCING ELBOW 90 DEG-NL
5422-038	72245 1/4 ELBOW 45 DEG-NL
5422-039	72245 3/8 ELBOW 45 DEG-NL
5422-040	72245 1/2 ELBOW 45 DEG-NL
5422-041	72245 3/4 ELBOW 45 DEG-NL
5422-042	72245 1 ELBOW 45 DEG-NL
5422-043	72245 1 1/4 ELBOW 45 DEG-NL
5422-044	72245 1 1/2 ELBOW 45 DEG-NL
5422-045	72245 2 ELBOW 45 DEG-NL
5422-046	72245 2 1/2 ELBOW 45 DEG-NL
5422-047	72245 3 ELBOW 45 DEG-NL
5422-048	72245 4 ELBOW 45 DEG-NL
5422-049	72291 1/4 STREET ELBOW 90 DEG-NL
5422-050	72291 3/8 STREET ELBOW 90 DEG-NL
5422-051	72291 1/2 STREET ELBOW 90 DEG-NL
5422-052	72291 3/4 STREET ELBOW 90 DEG-NL
5422-053	72291 1 STREET ELBOW 90 DEG-NL
5422-054	72291 1 1/4 STREET ELBOW 90 DEG-NL
5422-055	72291 1 1/2 STREET ELBOW 90 DEG-NL
5422-056	72291 2 STREET ELBOW 90 DEG-NL
5422-060	72246 1/4 STREET ELBOW 45 DEG-NL
5422-061	72246 3/8 STREET ELBOW 45 DEG-NL
5422-062	72246 1/2 STREET ELBOW 45 DEG-NL
5422-063	72246 3/4 STREET ELBOW 45 DEG-NL
5422-064	72246 1 STREET ELBOW 45 DEG-NL
5422-065	72246 1 1/4 STREET ELBOW 45 DEG-NL
5422-066	72246 1 1/2 STREET ELBOW 45 DEG-NL

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Model Number	Description
5422-067	72246 2 STREET ELBOW 45 DEG-NL
5422-071	72230 1/4 TEE-NL
5422-072	72230 3/8 TEE-NL
5422-073	72230 1/2 TEE-NL
5422-074	72230 3/4 TEE-NL
5422-075	72230 1 TEE-NL
5422-076	72230 1 1/4 TEE-NL
5422-077	72230 1 1/2 TEE-NL
5422-078	72230 2 TEE-NL
5422-079	72230 2 1/2 TEE-NL
5422-080	72230 3 TEE-NL
5422-081	72230 4 TEE-NL
5422-082	72240 1/4 CROSS-NL
5422-083	72240 3/8 CROSS-NL
5422-084	72240 1/2 CROSS-NL
5422-085	72240 3/4 CROSS-NL
5422-086	72240 1 CROSS-NL
5422-087	72240 1 1/4 CROSS-NL
5422-088	72240 1 1/2 CROSS-NL
5422-089	72240 2 CROSS-NL
5422-094	72230 1/2X1/4 REDUCING TEE-NL
5422-095	72230 1/2X3/8 REDUCING TEE-NL
5422-096	72230 3/4X1/4 REDUCING TEE-NL
5422-098	72230 3/4X1/2 REDUCING TEE-NL
5422-099	72230 1X1/4 REDUCING TEE-NL
5422-102	72230 1X3/4 REDUCING TEE-NL
5422-103	72230 1 1/4X1/2 REDUCING TEE-NL
5422-104	72230 1 1/4X3/4 REDUCING TEE-NL
5422-105	72230 1 1/4X1 REDUCING TEE-NL

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Model Number	Description
5422-107	72230 1 1/2X3/4 REDUCING TEE-NL
5422-108	72230 1 1/2X1 REDUCING TEE-NL
5422-109	72230 1 1/2X1 1/4 REDUCING TEE-NL
5422-110	72230 2x1/2 REDUCING TEE-NL
5422-111	72230 2X3/4 REDUCING TEE-NL
5422-112	72230 2X1 REDUCING TEE-NL
5422-113	72230 2X1 1/4 REDUCING TEE-NL
5422-114	72230 2X1 1/2 REDUCING TEE-NL
5422-121	72230 3X2 REDUCING TEE-NL
5422-129	72230 3/4X1/2X1/2 REDUCING TEE-NL
5422-130	72230 3/4X1/2X3/4 REDUCING TEE-NL
5422-134	72230 1X3/4X3/4 REDUCING TEE-NL
5422-135	72230 1X1/2X1 REDUCING TEE-NL
5422-136	72230 1X3/4X1 REDUCING TEE-NL
5422-139	72210 1/4 COUPLING-NL
5422-140	72210 3/8 COUPLING-NL
5422-141	72210 1/2 COUPLING-NL
5422-142	72210 3/4 COUPLING-NL
5422-143	72210 1 COUPLING-NL
5422-144	72210 1 1/4 COUPLING-NL
5422-145	72210 1 1/2 COUPLING-NL
5422-146	72210 2 COUPLING-NL
5422-147	72210 2 1/2 COUPLING-NL
5422-148	72210 3 COUPLING-NL
5422-149	72210 4 COUPLING-NL
5422-150	72210 3/8X1/4 REDUCING COUPLING-NL
5422-151	72210 1/2X1/4 REDUCING COUPLING-NL
5422-152	72210 1/2X3/8 REDUCING COUPLING-NL
5422-153	72210 3/4X1/4 REDUCING COUPLING-NL

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Model Number	Description
5422-154	72210 3/4X3/8 REDUCING COUPLING-NL
5422-155	72210 3/4X1/2 REDUCING COUPLING-NL
5422-158	72210 1X1/2 REDUCING COUPLING-NL
5422-159	72210 1X3/4 REDUCING COUPLING-NL
5422-161	72210 1 1/4X3/4 REDUCING COUPLING-NL
5422-162	72210 1 1/4X1 REDUCING COUPLING-NL
5422-163	72210 1 1/2X1/2 REDUCING COUPLING-NL
5422-164	72210 1 1/2X3/4 REDUCING COUPLING-NL
5422-165	72210 1 1/2X1 REDUCING COUPLING-NL
5422-166	72210 1 1/2X1 1/4 REDUCING COUPLING-NL
5422-168	72210 2X3/4 REDUCING COUPLING-NL
5422-169	72210 2X1 REDUCING COUPLING-NL
5422-170	72210 2X1 1/4 REDUCING COUPLING-NL
5422-171	72210 2X1 1/2 REDUCING COUPLING-NL
5422-176	72210 2 1/2X1 1/2 REDUCING COUPLING-NL
5422-177	72210 2 1/2X2 REDUCING COUPLING-NL
5422-181	72210 3X2 REDUCING COUPLING-NL
5422-182	72210 3X2 1/2 REDUCING COUPLING-NL
5422-185	72201 1/4 CAP-NL
5422-186	72201 3/8 CAP-NL
5422-187	72201 1/2 CAP-NL
5422-188	72201 3/4 CAP-NL
5422-189	72201 1 CAP-NL
5422-190	72201 1 1/4 CAP-NL
5422-191	72201 1 1/2 CAP-NL
5422-192	72201 2 CAP-NL
5422-196	72203 1/4 SOLID PLUG-NL
5422-197	72203 3/8 SOLID PLUG-NL
5422-198	72203 1/2 SOLID PLUG-NL

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

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Model Number	Description
5422-199	72203 3/4 SOLID PLUG-NL
5422-200	72203 1 SOLID PLUG-NL
5422-201	72203 1 1/4 SOLID PLUG-NL
5422-202	72203 1 1/2 SOLID PLUG-NL
5422-203	72203 2 SOLID PLUG -NL
5422-207	72202 1/2 CORED PLUG-NL
5422-208	72202 3/4 CORED PLUG-NL
5422-209	72202 1 CORED PLUG-NL
5422-210	72202 1 1/4 CORED PLUG-NL
5422-211	72202 1 1/2 CORED PLUG-NL
5422-212	72202 2 CORED PLUG-NL
5422-213	72202 2 1/2 CORED PLUG-NL
5422-214	72202 3 CORED PLUG-NL
5422-215	72202 4 CORED PLUG -NL
5422-245	72215 1/2 THREADED STANDARD FLANGE-NL
5422-246	72215 3/4 THREADED STANDARD FLANGE-NL
5422-247	72215 1 THREADED STANDARD FLANGE-NL
5422-248	72215 1 1/4 THREADED STANDARD FLANGE-NL
5422-249	72215 1 1/2 THREADED STANDARD FLANGE-NL
5422-250	72215 2 THREADED STANDARD FLANGE-NL
5422-260	72206 3/8X1/4 HEX REDUCING BUSHING-NL
5422-261	72206 1/2X1/4 HEX REDUCING BUSHING-NL
5422-262	72206 1/2X3/8 HEX REDUCING BUSHING-NL
5422-263	72206 3/4X1/4 HEX REDUCING BUSHING-NL
5422-264	72206 3/4X3/8 HEX REDUCING BUSHING-NL
5422-265	72206 3/4X1/2 HEX REDUCING BUSHING-NL
5422-266	72206 1X1/4 HEX REDUCING BUSHING-NL
5422-267	72206 1X3/8 HEX REDUCING BUSHING-NL
5422-268	72206 1X1/2 HEX REDUCING BUSHING-NL

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Model Number	Description
5422-269	72206 1X3/4 HEX REDUCING BUSHING-NL
5422-270	72206 1 1/4X1/2 HEX REDUCING BUSHING-NL
5422-271	72206 1 1/4X3/4 HEX REDUCING BUSHING-NL
5422-272	72206 1 1/4X1 HEX REDUCING BUSHING-NL
5422-273	72206 1 1/2X1/2 HEX REDUCING BUSHING-NL
5422-274	72206 1 1/2X3/4 HEX REDUCING BUSHING-NL
5422-275	72206 1 1/2X1 HEX REDUCING BUSHING-NL
5422-276	72206 1 1/2X1 1/4 HEX REDUCING BUSHING-NL
5422-277	72206 2X1/2 HEX REDUCING BUSHING-NL
5422-278	72206 2X3/4 HEX REDUCING BUSHING-NL
5422-279	72206 2X1 HEX REDUCING BUSHING-NL
5422-280	72206 2X1 1/4 HEX REDUCING BUSHING-NL
5422-281	72206 2X1 1/2 HEX REDUCING BUSHING-NL
5422-282	72206 2 1/2X1 HEX REDUCING BUSHING-NL
5422-284	72206 2 1/2X1 1/2 HEX REDUCING BUSHING-NL
5422-285	72206 2 1/2X2 HEX REDUCING BUSHING-NL
5422-286	72206 3X1 HEX REDUCING BUSHING-NL
5422-288	72206 3X1 1/2 HEX REDUCING BUSHING-NL
5422-289	72206 3X2 HEX REDUCING BUSHING-NL
5422-290	72206 3X2 1/2 HEX REDUCING BUSHING-NL
5422-294	72220 1/4 UNION-NL
5422-295	72220 3/8 UNION-NL
5422-296	72220 1/2 UNION-NL
5422-297	72220 3/4 UNION-NL
5422-298	72220 1 UNION-NL
5422-299	72220 1 1/4 UNION-NL
5422-300	72220 1 1/2 UNION-NL
5422-301	72220 2 UNION-NL
5422-302	72220 2 1/2 UNION-NL

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Model Number	Description
5422-303	72220 4 UNION-NL
5422-432	72220 3 UNION-NL
5422-451	72206 1/4X1/8 HEX REDUCING BUSHING-NL
5422-452	72210 1/8 COUPLING-NL
5422-453	72210 1/4X1/8 REDUCING COUPLING-NL
5422-454	72290 1/8 ELBOW 90 DEG-NL
5422-455	72203 1/8 SOLID PLUG-NL
5422-456	72230 1/8 TEE-NL
5424-195	72246 1/8 STREET ELBOW 45 DEG-NL
5424-194	72291 1/8 STREET ELBOW 90 DEG-NL
5424-375	72230 3/4X1 REDUCING TEE-NL
5424-196	72201 1/8 CAP-NL
5424-197	72220 1/8 UNION-NL
5422-128	72230 1/2X3/4 REDUCING TEE-NL
5422-101	72230 1X1/2 REDUCING TEE-NL
5424-193	72245 1/8 45 ELBOW-NL
5424-194	72246 1/8 45 ST ELBOW-NL
5424-204	72206 4X3 BUSHING-NL
5424-203	72210 3/8X1/8 REDUCING COUPLING-NL

Cello Products Inc.

Model Number	Description
TBNL:Bronze 90 Degree Elbow	1/8"
TBNL:Bronze 90 Degree Elbow	1/4"

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Model Number	Description
TBNL:Bronze 90 Degree Elbow	3/8"
TBNL:Bronze 90 Degree Elbow	1/2"
TBNL:Bronze 90 Degree Elbow	3/4"
TBNL:Bronze 90 Degree Elbow	1"
TBNL:Bronze 90 Degree Elbow	1-1/4"
TBNL:Bronze 90 Degree Elbow	1-1/2"
TBNL:Bronze 90 Degree Elbow	2"
TBNL:Bronze 90 Degree Elbow	2-1/2"
TBNL:Bronze 90 Degree Elbow	3"
TBNL:Bronze 90 Degree Elbow	4"
TBNL:Bronze 90 Degree Reducing Elbow	3/8 X 1/8"
TBNL:Bronze 90 Degree Reducing Elbow	3/8 X 1/4"
TBNL:Bronze 90 Degree Reducing Elbow	1/2 X 3/8"
TBNL:Bronze 90 Degree Reducing Elbow	1/2 X 1/8"
TBNL:Bronze 90 Degree Reducing Elbow	1/2 X 1/4"
TBNL:Bronze 90 Degree Reducing Elbow	3/4 X 3/8"
TBNL:Bronze 90 Degree Reducing Elbow	3/4 X 1/2"
TBNL:Bronze 90 Degree Reducing Elbow	3/4 X 1/8"

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Model Number	Description
TBNL:Bronze 90 Degree Reducing Elbow	1 X 3/8"
TBNL:Bronze 90 Degree Reducing Elbow	1 X 1/2"
TBNL:Bronze 90 Degree Reducing Elbow	1 X 3/4"
TBNL:Bronze 90 Degree Reducing Elbow	1 X 1/4"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/4 X 3/8"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/4 X 1/2"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/4 X 3/4"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/4 X 1"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/2 X 1/2"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/2 X 3/4"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/2 X 1"
TBNL:Bronze 90 Degree Reducing Elbow	1-1/2 X 1-1/4"
TBNL:Bronze 90 Degree Reducing Elbow	2 X 1/2"
TBNL:Bronze 90 Degree Reducing Elbow	2 X 3/4"
TBNL:Bronze 90 Degree Reducing Elbow	2 X 1"
TBNL:Bronze 90 Degree Reducing Elbow	2 X 1-1/4"
TBNL:Bronze 90 Degree Reducing Elbow	2 X 1-1/2"
TBNL:Bronze 90 Degree Reducing Elbow	2-1/2 X 1/2"

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Model Number	Description
TBNL:Bronze 90 Degree Reducing Elbow	2-1/2 X 1-1/2"
TBNL:Bronze 90 Degree Reducing Elbow	2-1/2 X 2"
TBNL:Bronze 90 Degree Reducing Elbow	3 X 2"
TBNL:Bronze 90 Degree Reducing Elbow	3 X 2-1/2"
TBNL:Bronze 90 Degree Reducing Elbow	4 X 2"
TBNL:Bronze 90 Degree Reducing Elbow	4 X 3"
TBNL:Bronze 90 Degree Street Elbow	1/8"
TBNL:Bronze 90 Degree Street Elbow	1/4"
TBNL:Bronze 90 Degree Street Elbow	3/8"
TBNL:Bronze 90 Degree Street Elbow	1/2"
TBNL:Bronze 90 Degree Street Elbow	3/4"
TBNL:Bronze 90 Degree Street Elbow	1"
TBNL:Bronze 90 Degree Street Elbow	1-1/4"
TBNL:Bronze 90 Degree Street Elbow	1-1/2"
TBNL:Bronze 90 Degree Street Elbow	2"
TBNL:Bronze 90 Degree Street Elbow	2-1/2"
TBNL:Bronze 90 Degree Street Elbow	3"
TBNL:Bronze 90 Degree Street Elbow	4"

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Model Number	Description
TBNL:Bronze 45 Degree Elbow	1/8"
TBNL:Bronze 45 Degree Elbow	1/4"
TBNL:Bronze 45 Degree Elbow	3/8"
TBNL:Bronze 45 Degree Elbow	1/2"
TBNL:Bronze 45 Degree Elbow	3/4"
TBNL:Bronze 45 Degree Elbow	1"
TBNL:Bronze 45 Degree Elbow	1-1/4"
TBNL:Bronze 45 Degree Elbow	1-1/2"
TBNL:Bronze 45 Degree Elbow	2"
TBNL:Bronze 45 Degree Elbow	2-1/2"
TBNL:Bronze 45 Degree Elbow	3"
TBNL:Bronze 45 Degree Elbow	4"
TBNL:Bronze 45 Degree Street Elbow	1/8"
TBNL:Bronze 45 Degree Street Elbow	1/4"
TBNL:Bronze 45 Degree Street Elbow	3/8"
TBNL:Bronze 45 Degree Street Elbow	1/2"
TBNL:Bronze 45 Degree Street Elbow	3/4"
TBNL:Bronze 45 Degree Street Elbow	1"

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Model Number	Description
TBNL:Bronze 45 Degree Street Elbow	1-1/4"
TBNL:Bronze 45 Degree Street Elbow	1-1/2"
TBNL:Bronze 45 Degree Street Elbow	2"
TBNL:Bronze 45 Degree Street Elbow	3"
TBNL:Bronze Tee	1/8"
TBNL:Bronze Tee	1/4"
TBNL:Bronze Tee	3/8"
TBNL:Bronze Tee	1/2"
TBNL:Bronze Tee	3/4"
TBNL:Bronze Tee	1"
TBNL:Bronze Tee	1-1/4"
TBNL:Bronze Tee	1-1/2"
TBNL:Bronze Tee	2"
TBNL:Bronze Tee	2-1/2"
TBNL:Bronze Tee	3"
TBNL:Bronze Tee	4"
TBNL:Bronze Reducing Tee	3/8 X 1/8"
TBNL:Bronze Reducing Tee	3/8 X 1/4"
TBNL:Bronze Reducing Tee	1/2 X 1/2 X3/8"
TBNL:Bronze Reducing Tee	1/2 X 1/2 X 3/4"
TBNL:Bronze Reducing Tee	1/2 X 1/4"
TBNL:Bronze Reducing Tee	1/2 X 1/4 X 1/2"
TBNL:Bronze Reducing Tee	3/4 X 3/8"
TBNL:Bronze Reducing Tee	3/4 X 1/2"
TBNL:Bronze Reducing Tee	3/4 X 1/2 X 1/2"
TBNL:Bronze Reducing Tee	3/4 X 1/2 X 3/4"
TBNL:Bronze Reducing Tee	3/4 X 3/4 X 1"

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Model Number	Description
TBNL:Bronze Reducing Tee	3/4 X 1/4"
TBNL:Bronze Reducing Tee	1 X 3/8"
TBNL:Bronze Reducing Tee	1 X 1/2"
TBNL:Bronze Reducing Tee	1 X 1/2 X 1/2"
TBNL:Bronze Reducing Tee	1 X 1/2 X 3/4"
TBNL:Bronze Reducing Tee	1 X 1/2 X 1"
TBNL:Bronze Reducing Tee	1 X 3/4"
TBNL:Bronze Reducing Tee	1 X 3/4 X 1/2"
TBNL:Bronze Reducing Tee	1 X 3/4 X 3/4"
TBNL:Bronze Reducing Tee	1 X 3/4 X 1"
TBNL:Bronze Reducing Tee	1 X 1 X 1-1/4"
TBNL:Bronze Reducing Tee	1 X 1 X 1-1/2"
TBNL:Bronze Reducing Tee	1 X 1/4"
TBNL:Bronze Reducing Tee	1-1/4 X 3/8"
TBNL:Bronze Reducing Tee	1-1/4 X 1/2"
TBNL:Bronze Reducing Tee	1-1/4 X 1/2 X 1-1/4"
TBNL:Bronze Reducing Tee	1-1/4 X 3/4"
TBNL:Bronze Reducing Tee	1-1/4 X 3/4 X 1"
TBNL:Bronze Reducing Tee	1-1/4 X 3/4 X 1-1/4"
TBNL:Bronze Reducing Tee	1-1/4 X 1"
TBNL:Bronze Reducing Tee	1-1/4 X 1 X 3/4"
TBNL:Bronze Reducing Tee	1-1/4 X 1 X 1-1/4"
TBNL:Bronze Reducing Tee	1-1/2 X 3/8"
TBNL:Bronze Reducing Tee	1-1/2 X 1/2"
TBNL:Bronze Reducing Tee	1-1/2 X 1/2 X 1-1/2"
TBNL:Bronze Reducing Tee	1-1/2 X 3/4"
TBNL:Bronze Reducing Tee	1-1/2 X 1"
TBNL:Bronze Reducing Tee	1-1/2 X 1-1/4"
TBNL:Bronze Reducing Tee	1-1/2 X 1-1/4 X 1-1/4

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Model Number	Description
TBNL:Bronze Reducing Tee	2 X 3/8"
TBNL:Bronze Reducing Tee	2 X 1/2"
TBNL:Bronze Reducing Tee	2 X 1/2 X 2"
TBNL:Bronze Reducing Tee	2 X 3/4"
TBNL:Bronze Reducing Tee	2 X 1"
TBNL:Bronze Reducing Tee	2 X 1-1/4"
TBNL:Bronze Reducing Tee	2 X 1-1/2"
TBNL:Bronze Reducing Tee	2-1/2 X 1-1/4"
TBNL:Bronze Reducing Tee	2-1/2 X 1-1/2"
TBNL:Bronze Reducing Tee	2-1/2 X 2"
TBNL:Bronze Reducing Tee	3 X 3/4"
TBNL:Bronze Reducing Tee	3 X 1"
TBNL:Bronze Reducing Tee	3 X 2"
TBNL:Bronze Reducing Tee	3 X 2-1/2"
TBNL:Bronze Reducing Tee	4 X 2"
TBNL:Bronze Reducing Tee	4 X 3"
TBNL:Bronze Crosses	1/8"
TBNL:Bronze Crosses	1/4"
TBNL:Bronze Crosses	3/8"
TBNL:Bronze Crosses	1/2"
TBNL:Bronze Crosses	3/4"
TBNL:Bronze Crosses	1"
TBNL:Bronze Crosses	1-1/4"
TBNL:Bronze Crosses	1-1/2"
TBNL:Bronze Crosses	2"
TBNL:Bronze Coupling	1/8"
TBNL:Bronze Coupling	1/4"
TBNL:Bronze Coupling	3/8"
TBNL:Bronze Coupling	1/2"

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Model Number	Description
TBNL:Bronze Coupling	3/4"
TBNL:Bronze Coupling	1"
TBNL:Bronze Coupling	1-1/4"
TBNL:Bronze Coupling	1-1/2"
TBNL:Bronze Coupling	2"
TBNL:Bronze Coupling	2-1/2"
TBNL:Bronze Coupling	3"
TBNL:Bronze Reducing Coupling	3/8 X 1/8"
TBNL:Bronze Reducing Coupling	3/8 X 1/4"
TBNL:Bronze Reducing Coupling	1/2 X 3/8"
TBNL:Bronze Reducing Coupling	1/2 X 1/8"
TBNL:Bronze Reducing Coupling	1/2 X 1/4"
TBNL:Bronze Reducing Coupling	3/4 X 3/8"
TBNL:Bronze Reducing Coupling	3/4 X 1/2"
TBNL:Bronze Reducing Coupling	3/4 X 1/4"
TBNL:Bronze Reducing Coupling	1 X 3/8"
TBNL:Bronze Reducing Coupling	1 X 1/2"
TBNL:Bronze Reducing Coupling	1 X 3/4"
TBNL:Bronze Reducing Coupling	1-1/4 X 1/2"
TBNL:Bronze Reducing Coupling	1-1/4 X 3/4"
TBNL:Bronze Reducing Coupling	1-1/4 X 1"

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Model Number	Description
TBNL:Bronze Reducing Coupling	1-1/2 X 1/2"
TBNL:Bronze Reducing Coupling	1-1/2 X 3/4"
TBNL:Bronze Reducing Coupling	1-1/2 X 1"
TBNL:Bronze Reducing Coupling	1-1/2 X 1-1/4"
TBNL:Bronze Reducing Coupling	2 X 1/2"
TBNL:Bronze Reducing Coupling	2 X 3/4"
TBNL:Bronze Reducing Coupling	2 X 1"
TBNL:Bronze Reducing Coupling	2 X 1-1/4"
TBNL:Bronze Reducing Coupling	2 X 1-1/2"
TBNL:Bronze Reducing Coupling	2-1/2 X 1"
TBNL:Bronze Reducing Coupling	2-1/2 X 1-1/4"
TBNL:Bronze Reducing Coupling	2-1/2 X 1-1/2"
TBNL:Bronze Reducing Coupling	2-1/2 X 2"
TBNL:Bronze Reducing Coupling	3 X 2"
TBNL:Bronze Reducing Coupling	3 X 2-1/2"
TBNL:Bronze Reducing Coupling	1/4 X 1/8"
TBNL:Bronze Reducing Coupling	4 X 2"
TBNL:Bronze Reducing Coupling	4 X 3"

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Model Number	Description
TBNL:Bronze Bushing	3/8 X 1/8"
TBNL:Bronze Bushing	3/8 X 1/4"
TBNL:Bronze Bushing	1/2 X 3/8"
TBNL:Bronze Bushing	1/2 X 1/8"
TBNL:Bronze Bushing	1/2 X 1/4"
TBNL:Bronze Bushing	3/4 X 3/8"
TBNL:Bronze Bushing	3/4 X 1/2"
TBNL:Bronze Bushing	3/4 X 1/8"
TBNL:Bronze Bushing	3/4 X 1/4"
TBNL:Bronze Bushing	1 X 1/2"
TBNL:Bronze Bushing	1 X 3/4"
TBNL:Bronze Bushing	1-1/4 X 3/4"
TBNL:Bronze Bushing	1-1/4 X 1"
TBNL:Bronze Bushing	1-1/2 X 1"
TBNL:Bronze Bushing	1-1/2 X 1-1/4"
TBNL:Bronze Bushing	2 X 1-1/4"
TBNL:Bronze Bushing	2 X 1-1/2"
TBNL:Bronze Bushing	2-1/2 X 1-1/2"
TBNL:Bronze Bushing	2-1/2 X 2"
TBNL:Bronze Bushing	3 X 2"
TBNL:Bronze Bushing	3 X 2-1/2"
TBNL:Bronze Bushing	1/4 X 1/8"
TBNL:Bronze Bushing	4 X 2"
TBNL:Bronze Bushing	4 X 2-1/2"
TBNL:Bronze Bushing	1 X 3/8"
TBNL:Bronze Bushing	1 X 1/8"
TBNL:Bronze Bushing	1 X 1/4"
TBNL:Bronze Bushing	1-1/4 X 1/2"
TBNL:Bronze Bushing	1-1/4 X 1/4"

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Model Number	Description
TBNL:Bronze Bushing	1-1/2 X 3/8"
TBNL:Bronze Bushing	1-1/2 X 1/2"
TBNL:Bronze Bushing	1-1/2 X 3/4"
TBNL:Bronze Bushing	1-1/2 X 1/4"
TBNL:Bronze Bushing	2 X 1/2"
TBNL:Bronze Bushing	2 X 3/4"
TBNL:Bronze Bushing	2 X 1"
TBNL:Bronze Bushing	2-1/2 X 3/4"
TBNL:Bronze Bushing	2-1/2 X 1"
TBNL:Bronze Bushing	2-1/2 X 1-1/4"
TBNL:Bronze Bushing	3 X 3/4"
TBNL:Bronze Bushing	3 X 1"
TBNL:Bronze Bushing	3 X 1-1/4"
TBNL:Bronze Bushing	3 X 1-1/2"
TBNL:Bronze Bushing	3 x 2"
TBNL:Bronze Bushing	4 X 3"
TBNL:Bronze Plug	1/8"
TBNL:Bronze Plug	1/4"
TBNL:Bronze Plug	3/8"
TBNL:Bronze Plug	1/2"
TBNL:Bronze Plug	3/4"
TBNL:Bronze Plug	1"
TBNL:Bronze Plug	1-1/4"
TBNL:Bronze Plug	1-1/2"
TBNL:Bronze Plug	2"
TBNL:Bronze Plug	2-1/2"
TBNL:Bronze Plug	3"
TBNL:Bronze Plug	4"
TBNL:Bronze Plug CS	1/2"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
TBNL:Bronze Plug CS	3/4"
TBNL:Bronze Plug CS	1"
TBNL:Bronze Plug CS	1-1/4"
TBNL:Bronze Plug CS	1-1/2"
TBNL:Bronze Plug CS	2"
TBNL:Bronze Plug CS	2-1/2"
TBNL:Bronze Plug CS	3"
TBNL:Bronze Plug CS	4"
TBNL:Bronze Plug Solid	1/8"
TBNL:Bronze Plug Solid	1/4"
TBNL:Bronze Plug Solid	3/8"
TBNL:Bronze Plug Solid	1/2"
TBNL:Bronze Plug Solid	3/4"
TBNL:Bronze Plug Solid	1"
TBNL:Bronze Plug Solid	1-1/4"
TBNL:Bronze Plug Solid	1-1/2"
TBNL:Bronze Plug Solid	2"
TBNL:Bronze Plug Solid	2-1/2"
TBNL:Bronze Plug Solid	3"
TBNL:Bronze Plug Solid	4"
TBNL:Bronze Cap	1/8"
TBNL:Bronze Cap	1/4"
TBNL:Bronze Cap	3/8"
TBNL:Bronze Cap	1/2"
TBNL:Bronze Cap	3/4"
TBNL:Bronze Cap	1"
TBNL:Bronze Cap	1-1/4"
TBNL:Bronze Cap	1-1/2"
TBNL:Bronze Cap	2"

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Model Number	Description
TBNL:Bronze Cap	2-1/2"
TBNL:Bronze Cap	3"
TBNL:Bronze Cap	4"
TBNL:Bronze Union	1/8"
TBNL:Bronze Union	1/4"
TBNL:Bronze Union	3/8"
TBNL:Bronze Union	1/2"
TBNL:Bronze Union	3/4"
TBNL:Bronze Union	1"
TBNL:Bronze Union	1-1/4"
TBNL:Bronze Union	1-1/2"
TBNL:Bronze Union	2"
TBNL:Bronze Union	2-1/2"
TBNL:Bronze Union	3"
TBNL:Bronze Union	4"

Ferguson Enterprises, LLC.

Ferguson and its Proprietary Own Brands (for complete list of Ferguson brands, please refer to www.Ferguson.com)

PROFLO®

Dielectric Nipples

Model Number	Description
PFXDNTDM	LF 1/2X3 TXT DIELEC NIP
PFXDNTFM	LF 3/4X3 TXT DIELEC NIP
PFXDNTGP	LF 1X4 TXT DIELEC NIP
PFXDNTHP	LF 1-1/4X4 TXT DIELEC NIP

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Model Number	Description
PFXDNTJP	LF 1-1/2X4 TXT DIELEC NIP
PFXDNTKP	LF 2X4 TXT DIELEC NIP
PFXDNTLU	LF 2-1/2X6 TXT DIELEC NIP
PFXDNTMU	LF 3X6 TXT DIELEC NIP
PFXDNTPU	LF 4X6 TXT DIELEC NIP
PFXDNGKP	LF 2X4 GXG DIELEC NIP
PFXDNGLU	LF 2-1/2X6 GXG DIELEC NIP
PFXDNGMU	LF 3X6 GXG DIELEC NIP
PFXDNGPU	LF 4X6 GXG DIELEC NIP
PFXDNGUU	LF 6X6 GXG DIELEC NIP
PFXDNGTGP	LF 1X4 GXT DIELEC NIP
PFXDNGTHP	LF 1-1/4X4 GXT DIELEC NIP
PFXDNGTJP	LF 1-1/2X4 GXT DIELEC NIP
PFXDNGTKP	LF 2X4 GXT DIELEC NIP
PFXDNGTLU	LF 2-1/2X6 GXT DIELEC NIP
PFXDNGTMU	LF 3X6 GXT DIELEC NIP
PFXDNGTPU	LF 4X6 GXT DIELEC NIP

Hot-Dipped Galvanized Malleable Iron Pipe Fitting

Model Number	Description
IG150UA	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1/8"
IG150UB	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1/4"
IG150UC	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 3/8"
IG150UD	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1/2"
IG150UF	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 3/4"
IG150UG	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1"
IG150UH	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1 1/4"
IG150UJ	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 1 1/2"
IG150UK	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 2"

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Model Number	Description
IG150UL	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 2 1/2"
IG150UM	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 3"
IG150UP	342 GALV. UNIONS, CONICAL JOINT, BRASS TO IRON SEAT 4"
IG4A	120 GALV. ELBOWS, 45, BANDED 1/8"
IG4B	120 GALV. ELBOWS, 45, BANDED 1/4"
IG4C	120 GALV. ELBOWS, 45, BANDED 3/8"
IG4D	120 GALV. ELBOWS, 45, BANDED 1/2"
IG4F	120 GALV. ELBOWS, 45, BANDED 3/4"
IG4G	120 GALV. ELBOWS, 45, BANDED 1"
IG4H	120 GALV. ELBOWS, 45, BANDED 1 1/4"
IG4J	120 GALV. ELBOWS, 45, BANDED 1 1/2"
IG4K	120 GALV. ELBOWS, 45, BANDED 2"
IG4L	120 GALV. ELBOWS, 45, BANDED 2 1/2"
IG4M	120 GALV. ELBOWS, 45, BANDED 3"
IG4P	120 GALV. ELBOWS, 45, BANDED 4"
IG4U	120 GALV. ELBOWS, 45, BANDED 6"
IG9A	90 GALV. ELBOWS, 90, BANDED, EQUAL 1/8"
IG9B	90 GALV. ELBOWS, 90, BANDED, EQUAL 1/4"
IG9C	90 GALV. ELBOWS, 90, BANDED, EQUAL 3/8"
IG9D	90 GALV. ELBOWS, 90, BANDED, EQUAL 1/2"
IG9F	90 GALV. ELBOWS, 90, BANDED, EQUAL 3/4"
IG9G	90 GALV. ELBOWS, 90, BANDED, EQUAL 1"
IG9H	90 GALV. ELBOWS, 90, BANDED, EQUAL 1 1/4"
IG9J	90 GALV. ELBOWS, 90, BANDED, EQUAL 1 1/2"
IG9K	90 GALV. ELBOWS, 90, BANDED, EQUAL 2"
IG9L	90 GALV. ELBOWS, 90, BANDED, EQUAL 2 1/2"
IG9M	90 GALV. ELBOWS, 90, BANDED, EQUAL 3"
IG9P	90 GALV. ELBOWS, 90, BANDED, EQUAL 4"
IG9U	90 GALV. ELBOWS, 90, BANDED, EQUAL 6"

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Model Number	Description
IG9CB	90R GALV. ELBOWS, 90, BANDED, REDUCING 3/8"X1/4"
IG9DA	90R GALV. ELBOWS, 90, BANDED, REDUCING 1/2"X1/8"
IG9DB	90R GALV. ELBOWS, 90, BANDED, REDUCING 1/2"X1/4"
IG9DC	90R GALV. ELBOWS, 90, BANDED, REDUCING 1/2"X3/8"
IG9FB	90R GALV. ELBOWS, 90, BANDED, REDUCING 3/4"X1/4"
IG9FC	90R GALV. ELBOWS, 90, BANDED, REDUCING 3/4"X3/8"
IG9FD	90R GALV. ELBOWS, 90, BANDED, REDUCING 3/4"X1/2"
IG9GC	90R GALV. ELBOWS, 90, BANDED, REDUCING 1"X3/8"
IG9GD	90R GALV. ELBOWS, 90, BANDED, REDUCING 1"X1/2"
IG9GF	90R GALV. ELBOWS, 90, BANDED, REDUCING 1"X3/4"
IG9HD	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/4"X1/2"
IG9HF	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/4"X3/4"
IG9HG	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/4"X1"
IG9JD	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/2"X1/2"
IG9JF	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/2"X3/4"
IG9JG	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/2"X1"
IG9JH	90R GALV. ELBOWS, 90, BANDED, REDUCING 1 1/2"X1 1/4"
IG9KD	90R GALV. ELBOWS, 90, BANDED, REDUCING 2"X1/2"
IG9KF	90R GALV. ELBOWS, 90, BANDED, REDUCING 2"X3/4"
IG9KG	90R GALV. ELBOWS, 90, BANDED, REDUCING 2"X1"
IG9KH	90R GALV. ELBOWS, 90, BANDED, REDUCING 2"X1 1/4"
IG9KJ	90R GALV. ELBOWS, 90, BANDED, REDUCING 2"X1 1/2"
IG9LK	90R GALV. ELBOWS, 90, BANDED, REDUCING 2 1/2"X2"
IG9MK	90R GALV. ELBOWS, 90, BANDED, REDUCING 3"X2"
IG9ML	90R GALV. ELBOWS, 90, BANDED, REDUCING 3"X2 1/2"
IG9PM	90R GALV. ELBOWS, 90, BANDED, REDUCING 4"X3"
IGBBA	241 GALV. HEXAGON BUSHES OR BUSHINGS 1/4"X1/8"
IGBCA	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/8"X1/8"
IGBCB	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/8"X1/4"

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Model Number	Description
IGBDA	241 GALV. HEXAGON BUSHES OR BUSHINGS 1/2"X1/8"
IGBDB	241 GALV. HEXAGON BUSHES OR BUSHINGS 1/2"X1/4"
IGBDC	241 GALV. HEXAGON BUSHES OR BUSHINGS 1/2"X3/8"
IGBFA	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/4"X1/8"
IGBFB	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/4"X1/4"
IGBFC	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/4"X3/8"
IGBFD	241 GALV. HEXAGON BUSHES OR BUSHINGS 3/4"X1/2"
IGBGD	241 GALV. HEXAGON BUSHES OR BUSHINGS 1"X1/2"
IGBGF	241 GALV. HEXAGON BUSHES OR BUSHINGS 1"X3/4"
IGBHF	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/4"X3/4"
IGBHG	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/4"X1"
IGBJG	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/2"X1"
IGBJH	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/2"X1 1/4"
IGBKH	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X1 1/4"
IGBKJ	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X1 1/2"
IGBLJ	241 GALV. HEXAGON BUSHES OR BUSHINGS 2 1/2"X1 1/2"
IGBLK	241 GALV. HEXAGON BUSHES OR BUSHINGS 2 1/2"X2"
IGBMK	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X2"
IGBML	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X2 1/2"
IGBNM	241 GALV. HEXAGON BUSHES OR BUSHINGS 3 1/2"X3"
IGBPM	241 GALV. HEXAGON BUSHES OR BUSHINGS 4"X3"
IGBGA	241 GALV. HEXAGON BUSHES OR BUSHINGS 1"X1/8"
IGBGB	241 GALV. HEXAGON BUSHES OR BUSHINGS 1"X1/4"
IGBGC	241 GALV. HEXAGON BUSHES OR BUSHINGS 1"X3/8"
IGBHB	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/4"X1/4"
IGBHC	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/4"X3/8"
IGBHD	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/4"X1/2"
IGBJB	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/2"X1/4"
IGBJD	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/2"X1/2"

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Model Number	Description
IGBJF	241 GALV. HEXAGON BUSHES OR BUSHINGS 1 1/2"X3/4"
IGBKB	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X1/4"
IGBKC	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X3/8"
IGBKD	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X1/2"
IGBKF	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X3/4"
IGBKG	241 GALV. HEXAGON BUSHES OR BUSHINGS 2"X1"
IGBLF	241 GALV. HEXAGON BUSHES OR BUSHINGS 2 1/2"X3/4"
IGBLG	241 GALV. HEXAGON BUSHES OR BUSHINGS 2 1/2"X1"
IGBLH	241 GALV. HEXAGON BUSHES OR BUSHINGS 2 1/2"X1 1/4"
IGBMF	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X3/4"
IGBMG	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X1"
IGBMH	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X1 1/4"
IGBMJ	241 GALV. HEXAGON BUSHES OR BUSHINGS 3"X1 1/2"
IGBPG	241 GALV. HEXAGON BUSHES OR BUSHINGS 4"X1"
IGBPJ	241 GALV. HEXAGON BUSHES OR BUSHINGS 4"X1 1/2"
IGBPK	241 GALV. HEXAGON BUSHES OR BUSHINGS 4"X2"
IGBPL	241 GALV. HEXAGON BUSHES OR BUSHINGS 4"X2 1/2"
IGBUP	241 GALV. HEXAGON BUSHES OR BUSHINGS 6"X4"
IGBUS	241 GALV. HEXAGON BUSHES OR BUSHINGS 6"X5"
IGCAPA	300 GALV. CAPS 1/8"
IGCAPB	300 GALV. CAPS 1/4"
IGCAPC	300 GALV. CAPS 3/8"
IGCAPD	300 GALV. CAPS 1/2"
IGCAPF	300 GALV. CAPS 3/4"
IGCAPG	300 GALV. CAPS 1"
IGCAPH	300 GALV. CAPS 1 1/4"
IGCAPJ	300 GALV. CAPS 1 1/2"
IGCAPK	300 GALV. CAPS 2"
IGCAPL	300 GALV. CAPS 2 1/2"

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Model Number	Description
IGCAPM	300 GALV. CAPS 3"
IGCAPP	300 GALV. CAPS 4"
IGCAPS	300 GALV. CAPS 5"
IGCAPU	300 GALV. CAPS 6"
IGCA	220 GALV. SOCKETS (COUPLING), BANDED 1/8"
IGCB	220 GALV. SOCKETS (COUPLING), BANDED 1/4"
IGCC	220 GALV. SOCKETS (COUPLING), BANDED 3/8"
IGCD	220 GALV. SOCKETS (COUPLING), BANDED 1/2"
IGCF	220 GALV. SOCKETS (COUPLING), BANDED 3/4"
IGCG	220 GALV. SOCKETS (COUPLING), BANDED 1"
IGCH	220 GALV. SOCKETS (COUPLING), BANDED 1 1/4"
IGCJ	220 GALV. SOCKETS (COUPLING), BANDED 1 1/2"
IGCK	220 GALV. SOCKETS (COUPLING), BANDED 2"
IGCL	220 GALV. SOCKETS (COUPLING), BANDED 2 1/2"
IGCM	220 GALV. SOCKETS (COUPLING), BANDED 3"
IGCP	220 GALV. SOCKETS (COUPLING), BANDED 4"
IGCU	220 GALV. SOCKETS (COUPLING), BANDED 6"
IGCPD	291 GALV. PLUGS 1/2"
IGCPF	291 GALV. PLUGS 3/4"
IGCPG	291 GALV. PLUGS 1"
IGCPH	291 GALV. PLUGS 1 1/4"
IGCPJ	291 GALV. PLUGS 1 1/2"
IGCPK	291 GALV. PLUGS 2"
IGCPL	291 GALV. PLUGS 2 1/2"
IGCPM	291 GALV. PLUGS 3"
IGCPP	291 GALV. PLUGS 4"
IGCPU	291 GALV. PLUGS 6"
IGCRB	180 GALV. CROSSES, BANDED, EQUAL 1/4"
IGCRD	180 GALV. CROSSES, BANDED, EQUAL 1/2"

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Model Number	Description
IGCRF	180 GALV. CROSSES, BANDED, EQUAL 3/4"
IGCRG	180 GALV. CROSSES, BANDED, EQUAL 1"
IGCRH	180 GALV. CROSSES, BANDED, EQUAL 1 1/4"
IGCRJ	180 GALV. CROSSES, BANDED, EQUAL 1 1/2"
IGCRK	180 GALV. CROSSES, BANDED, EQUAL 2"
IGCRL	180 GALV. CROSSES, BANDED, EQUAL 2 1/2"
IGCRM	180 GALV. CROSSES, BANDED, EQUAL 3"
IGEPD	529 GALV. EXTENSION PIECES(SOCKETS M&F)EQUAL,LONG 1/2"
IGEPF	529 GALV. EXTENSION PIECES(SOCKETS M&F)EQUAL,LONG 3/4"
IGFFD	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 1/2"
IGFFF	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 3/4"
IGFFG	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 1"
IGFFH	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 11/4"
IGFFJ	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 11/2"
IGFFK	321 GALV. ROUND FLANGES, WITH 4 BOLT HOLES 2"
IGLND	310 GALV. LOCKNUTS OR BACKNUTS 1/2"
IGLNJ	310 GALV. LOCKNUTS OR BACKNUTS 1 1/2"
IGPA	291S GALV. PLUG, SOLID 1/8"
IGPB	291S GALV. PLUG, SOLID 1/4"
IGPC	291S GALV. PLUG, SOLID 3/8"
IGPD	291S GALV. PLUG, SOLID 1/2"
IGPF	291S GALV. PLUG, SOLID 3/4"
IGRCBA	240 GALV. REDUCING SOCKETS, (REDUCERS) 1/4"X1/8"
IGRCCA	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/8"X1/8"
IGRCCB	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/8"X1/4"
IGRCDA	240 GALV. REDUCING SOCKETS, (REDUCERS) 1/2"X1/8"
IGRCDB	240 GALV. REDUCING SOCKETS, (REDUCERS) 1/2"X1/4"
IGRCDC	240 GALV. REDUCING SOCKETS, (REDUCERS) 1/2"X3/8"
IGRCFA	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/4"X1/8"

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Model Number	Description
IGRCFB	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/4"X1/4"
IGRCFC	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/4"X3/8"
IGRCFD	240 GALV. REDUCING SOCKETS, (REDUCERS) 3/4"X1/2"
IGRCGB	240 GALV. REDUCING SOCKETS, (REDUCERS) 1"X1/4"
IGRCGC	240 GALV. REDUCING SOCKETS, (REDUCERS) 1"X3/8"
IGRCGD	240 GALV. REDUCING SOCKETS, (REDUCERS) 1"X1/2"
IGRCGF	240 GALV. REDUCING SOCKETS, (REDUCERS) 1"X3/4"
IGRCHD	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/4"X1/2"
IGRCHF	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/4"X3/4"
IGRCHG	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/4"X1"
IGRCJD	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/2"X1/2"
IGRCJF	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/2"X3/4"
IGRCJG	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/2"X1"
IGRCJH	240 GALV. REDUCING SOCKETS, (REDUCERS) 1 1/2"X1 1/4"
IGRCKD	240 GALV. REDUCING SOCKETS, (REDUCERS) 2"X1/2"
IGRCKF	240 GALV. REDUCING SOCKETS, (REDUCERS) 2"X3/4"
IGRCKG	240 GALV. REDUCING SOCKETS, (REDUCERS) 2"X1"
IGRCKH	240 GALV. REDUCING SOCKETS, (REDUCERS) 2"X1 1/4"
IGRCKJ	240 GALV. REDUCING SOCKETS, (REDUCERS) 2"X1 1/2"
IGRCLF	240 GALV. REDUCING SOCKETS, (REDUCERS) 2 1/2"X3/4"
IGRCLG	240 GALV. REDUCING SOCKETS, (REDUCERS) 2 1/2"X1"
IGRCLH	240 GALV. REDUCING SOCKETS, (REDUCERS) 2 1/2"X1 1/4"
IGRCLJ	240 GALV. REDUCING SOCKETS, (REDUCERS) 2 1/2"X1 1/2"
IGRCLK	240 GALV. REDUCING SOCKETS, (REDUCERS) 2 1/2"X2"
IGRCMF	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X3/4"
IGRCMG	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X1"
IGRCMH	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X1 1/4"
IGRCMJ	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X1 1/2"
IGRCMK	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X2"

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LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

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Model Number	Description
IGRCML	240 GALV. REDUCING SOCKETS, (REDUCERS) 3"X2 1/2"
IGRCPG	240 GALV. REDUCING SOCKETS, (REDUCERS) 4"X1"
IGRCPJ	240 GALV. REDUCING SOCKETS, (REDUCERS) 4"X1 1/2"
IGRCPK	240 GALV. REDUCING SOCKETS, (REDUCERS) 4"X2"
IGRCPL	240 GALV. REDUCING SOCKETS, (REDUCERS) 4"X2 1/2"
IGRCPM	240 GALV. REDUCING SOCKETS, (REDUCERS) 4"X3"
IGRCUP	240 GALV. REDUCING SOCKETS, (REDUCERS) 6"X4"
IGS4A	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1/8"
IGS4B	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1/4"
IGS4C	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 3/8"
IGS4D	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1/2"
IGS4F	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 3/4"
IGS4G	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1"
IGS4H	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1 1/4"
IGS4J	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 1 1/2"
IGS4K	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 2"
IGS4M	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 3"
IGS4P	121 GALV. STREET ELBOWS, 45, BANDED, EQUAL 4"
IGS9A	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1/8"
IGS9B	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1/4"
IGS9C	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 3/8"
IGS9D	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1/2"
IGS9F	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 3/4"
IGS9G	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1"
IGS9H	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1 1/4"
IGS9J	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 1 1/2"
IGS9K	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 2"
IGS9L	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 2 1/2"
IGS9M	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 3"

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Model Number	Description
IGS9P	92 GALV. STREET ELBOWS, 90, BANDED, EQUAL 4"
IGS09J	1221 GALV.SIDE OUTLET ELBOWS 11/2"
IGTA	130 GALV. TEES, BANDED, EQUAL 1/8"
IGTB	130 GALV. TEES, BANDED, EQUAL 1/4"
IGTC	130 GALV. TEES, BANDED, EQUAL 3/8"
IGTD	130 GALV. TEES, BANDED, EQUAL 1/2"
IGTF	130 GALV. TEES, BANDED, EQUAL 3/4"
IGTG	130 GALV. TEES, BANDED, EQUAL 1"
IGTH	130 GALV. TEES, BANDED, EQUAL 1 1/4"
IGTJ	130 GALV. TEES, BANDED, EQUAL 1 1/2"
IGTK	130 GALV. TEES, BANDED, EQUAL 2"
IGTL	130 GALV. TEES, BANDED, EQUAL 2 1/2"
IGTM	130 GALV. TEES, BANDED, EQUAL 3"
IGTP	130 GALV. TEES, BANDED, EQUAL 4"
IGTU	130 GALV. TEES, BANDED, EQUAL 6"
IGTBBA	130R GALV. TEES, BANDED REDUCING 1/4"X1/8"
IGTDDB	130R GALV. TEES, BANDED REDUCING 1/2"X1/4"
IGTDDC	130R GALV. TEES, BANDED REDUCING 1/2"X3/8"
IGTDDF	130R GALV. TEES, BANDED REDUCING 1/2"X1/2"X3/4"
IGTDDG	130R GALV. TEES, BANDED REDUCING 1/2"X1/2"X1"
IGTFDD	130R GALV. TEES, BANDED REDUCING 3/4"X1/2"X1/2"
IGTFDF	130R GALV. TEES, BANDED REDUCING 3/4"X1/2"X3/4"
IGTFDG	130R GALV. TEES, BANDED REDUCING 3/4"X1/2"X1"
IGTFFB	130R GALV. TEES, BANDED REDUCING 3/4"X1/4"
IGTFFC	130R GALV. TEES, BANDED REDUCING 3/4"X3/8"
IGTFFD	130R GALV. TEES, BANDED REDUCING 3/4"X1/2"
IGTFFG	130R GALV. TEES, BANDED REDUCING 3/4"X3/4"X1"
IGTFFH	130R GALV. TEES, BANDED REDUCING 3/4"X3/4"X1 1/4"
IGTGBG	130R GALV. TEES, BANDED REDUCING 1"X1/4"X1"

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Model Number	Description
IGTGDD	130R GALV. TEES, BANDED REDUCING 1"X1/2"X1/2"
IGTGDF	130R GALV. TEES, BANDED REDUCING 1"X1/2"X3/4"
IGTGDG	130R GALV. TEES, BANDED REDUCING 1"X1/2"X1"
IGTGFD	130R GALV. TEES, BANDED REDUCING 1"X3/4"X1/2"
IGTGFF	130R GALV. TEES, BANDED REDUCING 1"X3/4"X3/4"
IGTGFG	130R GALV. TEES, BANDED REDUCING 1"X3/4"X1"
IGTGGB	130R GALV. TEES, BANDED REDUCING 1"X1/4"
IGTGGD	130R GALV. TEES, BANDED REDUCING 1"X1/2"
IGTGGF	130R GALV. TEES, BANDED REDUCING 1"X3/4"
IGTGGH	130R GALV. TEES, BANDED REDUCING 1"X1"X1 1/4"
IGTGGJ	130R GALV. TEES, BANDED REDUCING 1"X1"X1 1/2"
IGTGGK	130R GALV. TEES, BANDED REDUCING 1"X1"X2"
IGTHDD	130R GALV. TEES, BANDED REDUCING 1 1/4"X1/2"X1/2"
IGTHDF	130R GALV. TEES, BANDED REDUCING 1 1/4"X1/2"X3/4"
IGTHDG	130R GALV. TEES, BANDED REDUCING 1 1/4"X1/2"X1"
IGTHDH	130R GALV. TEES, BANDED REDUCING 1 1/4"X1/2"X1 1/4"
IGTHFD	130R GALV. TEES, BANDED REDUCING 1 1/4"X3/4"X1/2"
IGTHFF	130R GALV. TEES, BANDED REDUCING 1 1/4"X3/4"X3/4"
IGTHFG	130R GALV. TEES, BANDED REDUCING 1 1/4"X3/4"X1"
IGTHFH	130R GALV. TEES, BANDED REDUCING 1 1/4"X3/4"X1 1/4"
IGTHGD	130R GALV. TEES, BANDED REDUCING 1 1/4"X1"X1/2"
IGTHGF	130R GALV. TEES, BANDED REDUCING 1 1/4"X1"X3/4"
IGTHGG	130R GALV. TEES, BANDED REDUCING 1 1/4"X1"X1"
IGTHGH	130R GALV. TEES, BANDED REDUCING 1 1/4"X1"X1 1/4"
IGTHHD	130R GALV. TEES, BANDED REDUCING 1 1/4"X1/2"
IGTHHF	130R GALV. TEES, BANDED REDUCING 1 1/4"X3/4"
IGTHHG	130R GALV. TEES, BANDED REDUCING 1 1/4"X1"
IGTHHJ	130R GALV. TEES, BANDED REDUCING 1 1/4"X1 1/4"X1 1/2"
IGTHHK	130R GALV. TEES, BANDED REDUCING 1 1/4"X1 1/4"X2"

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Model Number	Description
IGTJDH	130R GALV. TEES, BANDED REDUCING 1 1/2"X1/2"X1 1/4"
IGTJDJ	130R GALV. TEES, BANDED REDUCING 1 1/2"X1/2"X1 1/2"
IGTJFF	130R GALV. TEES, BANDED REDUCING 1 1/2"X3/4"X3/4"
IGTJFG	130R GALV. TEES, BANDED REDUCING 1 1/2"X3/4"X1"
IGTJFH	130R GALV. TEES, BANDED REDUCING 1 1/2"X3/4"X1 1/4"
IGTJFJ	130R GALV. TEES, BANDED REDUCING 1 1/2"X3/4"X1 1/2"
IGTJGF	130R GALV. TEES, BANDED REDUCING 1 1/2"X1"X3/4"
IGTJGG	130R GALV. TEES, BANDED REDUCING 1 1/2"X1"X1"
IGTJGH	130R GALV. TEES, BANDED REDUCING 1 1/2"X1"X1 1/4"
IGTJGJ	130R GALV. TEES, BANDED REDUCING 1 1/2"X1"X1 1/2"
IGTJHD	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"X1/2"
IGTJHF	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"X3/4"
IGTJHG	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"X1"
IGTJHH	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"X1 1/4"
IGTJHJ	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"X1 1/2"
IGTJJD	130R GALV. TEES, BANDED REDUCING 1 1/2"X1/2"
IGTJJF	130R GALV. TEES, BANDED REDUCING 1 1/2"X3/4"
IGTJJG	130R GALV. TEES, BANDED REDUCING 1 1/2"X1"
IGTJJH	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/4"
IGTJJK	130R GALV. TEES, BANDED REDUCING 1 1/2"X1 1/2"X2"
IGTKDK	130R GALV. TEES, BANDED REDUCING 2"X1/2"X2"
IGTKFK	130R GALV. TEES, BANDED REDUCING 2"X3/4"X2"
IGTKGG	130R GALV. TEES, BANDED REDUCING 2"X1"X1"
IGTKGJ	130R GALV. TEES, BANDED REDUCING 2"X1"X1 1/2"
IGTKGK	130R GALV. TEES, BANDED REDUCING 2"X1"X2"
IGTKHG	130R GALV. TEES, BANDED REDUCING 2"X1 1/4"X1"
IGTKHH	130R GALV. TEES, BANDED REDUCING 2"X1 1/4"X1 1/4"
IGTKHJ	130R GALV. TEES, BANDED REDUCING 2"X1 1/4"X1 1/2"
IGTKHK	130R GALV. TEES, BANDED REDUCING 2"X1 1/4"X2"

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Model Number	Description
IGTKKJ	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"
IGTKJD	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X1/2"
IGTKJF	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X3/4"
IGTKJG	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X1"
IGTKJH	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X1 1/4"
IGTKJJ	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X1 1/2"
IGTKJK	130R GALV. TEES, BANDED REDUCING 2"X1 1/2"X2"
IGTKKD	130R GALV. TEES, BANDED REDUCING 2"X1/2"
IGTKKF	130R GALV. TEES, BANDED REDUCING 2"X3/4"
IGTKKG	130R GALV. TEES, BANDED REDUCING 2"X1"
IGTKKH	130R GALV. TEES, BANDED REDUCING 2"X1 1/4"
IGTKKL	130R GALV. TEES, BANDED REDUCING 2"X2"X2 1/2"
IGTLKL	130R GALV. TEES, BANDED REDUCING 2 1/2"X2X21/2"
IGTLLD	130R GALV. TEES, BANDED REDUCING 2 1/2"X1/2"
IGTLLF	130R GALV. TEES, BANDED REDUCING 2 1/2"X3/4"
IGTLLG	130R GALV. TEES, BANDED REDUCING 2 1/2"X1"
IGTLLH	130R GALV. TEES, BANDED REDUCING 2 1/2"X1 1/4"
IGTLLJ	130R GALV. TEES, BANDED REDUCING 2 1/2"X1 1/2"
IGTLLK	130R GALV. TEES, BANDED REDUCING 2 1/2"X2"
IGTMMD	130R GALV. TEES, BANDED REDUCING 3"X1/2"
IGTMMH	130R GALV. TEES, BANDED REDUCING 3"X1 1/4"
IGTMMJ	130R GALV. TEES, BANDED REDUCING 3"X1 1/2"
IGTMMK	130R GALV. TEES, BANDED REDUCING 3"X2"
IGTMML	130R GALV. TEES, BANDED REDUCING 3"X2 1/2"
IGTMMG	130R GALV. TEES, BANDED REDUCING 3"X1"
IGTPPJ	130R GALV. TEES, BANDED REDUCING 4"X1 1/2"
IGTPPK	130R GALV. TEES, BANDED REDUCING 4"X2"
IGTPPM	130R GALV. TEES, BANDED REDUCING 4"X3"
PFXGCCDL	LCC GALV. LONG COMPRESSION COUPLING 1/2"

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Model Number	Description
PFXGCCFL	LCC GALV. LONG COMPRESSION COUPLING 3/4"
PFXGCCGL	LCC GALV. LONG COMPRESSION COUPLING 1"
PFXGCCHL	LCC GALV. LONG COMPRESSION COUPLING 11/4"
PFXGCCJL	LCC GALV. LONG COMPRESSION COUPLING 11/2"
PFXGCCKL	LCC GALV. LONG COMPRESSION COUPLING 2"
PFXGCCLL	LCC GALV. LONG COMPRESSION COUPLING 21/2"
PFXGCCML	LCC GALV. LONG COMPRESSION COUPLING 3"
PFXGCCPL	LCC GALV. LONG COMPRESSION COUPLING 4"

Lead Free Bronze Fitting

Model Number	Description
IBLFSHSPD	LEAD FREE BRONZE PLUGS SOLID 1/2"
IBLFSHSPF	LEAD FREE BRONZE PLUGS SOLID 3/4"
IBLFSHSPG	LEAD FREE BRONZE PLUGS SOLID 1"
IBLFSHSPM	LEAD FREE BRONZE PLUGS SOLID 3"
IBRLFPB	LEAD FREE BRONZE PLUGS SOLID 1/4"
IBRLFSHSPH	LEAD FREE BRONZE PLUGS SOLID 11/4"
IBRLFSHSPJ	LEAD FREE BRONZE PLUGS SOLID 11/2"
IBRLFSHSPK	LEAD FREE BRONZE PLUGS SOLID 2"
IBRLF125UA	LEAD FREE BRONZE UNIONS 1/8"
IBRLF125UB	LEAD FREE BRONZE UNIONS 1/4"
IBRLF125UC	LEAD FREE BRONZE UNIONS 3/8"
IBRLF125UD	LEAD FREE BRONZE UNIONS 1/2"
IBRLF125UF	LEAD FREE BRONZE UNIONS 3/4"
IBRLF125UG	LEAD FREE BRONZE UNIONS 1"
IBRLF125UH	LEAD FREE BRONZE UNIONS 11/4"
IBRLF125UJ	LEAD FREE BRONZE UNIONS 11/2"
IBRLF125UK	LEAD FREE BRONZE UNIONS 2"
IBRLF125UL	LEAD FREE BRONZE UNIONS 21/2"

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Model Number	Description
IBRLF125UM	LEAD FREE BRONZE UNIONS 3"
IBRLF125UP	LEAD FREE BRONZE UNIONS 4"
IBRLF4B	LEAD FREE BRONZE 45 ELBOW 1/4"
IBRLF4C	LEAD FREE BRONZE 45 ELBOW 3/8"
IBRLF4D	LEAD FREE BRONZE 45 ELBOW 1/2"
IBRLF4F	LEAD FREE BRONZE 45 ELBOW 3/4"
IBRLF4G	LEAD FREE BRONZE 45 ELBOW 1"
IBRLF4H	LEAD FREE BRONZE 45 ELBOW 11/4"
IBRLF4J	LEAD FREE BRONZE 45 ELBOW 11/2"
IBRLF4K	LEAD FREE BRONZE 45 ELBOW 2"
IBRLF4L	LEAD FREE BRONZE 45 ELBOW 21/2"
IBRLF4M	LEAD FREE BRONZE 45 ELBOW 3"
IBRLF9A	LEAD FREE BRONZE ELBOW 90 1/8"
IBRLF9B	LEAD FREE BRONZE ELBOW 90 1/4"
IBRLF9C	LEAD FREE BRONZE ELBOW 90 3/8"
IBRLF9D	LEAD FREE BRONZE ELBOW 90 1/2"
IBRLF9F	LEAD FREE BRONZE ELBOW 90 3/4"
IBRLF9G	LEAD FREE BRONZE ELBOW 90 1"
IBRLF9H	LEAD FREE BRONZE ELBOW 90 11/4"
IBRLF9J	LEAD FREE BRONZE ELBOW 90 11/2"
IBRLF9K	LEAD FREE BRONZE ELBOW 90 2"
IBRLF9L	LEAD FREE BRONZE ELBOW 90 21/2"
IBRLF9M	LEAD FREE BRONZE ELBOW 90 3"
IBRLF9P	LEAD FREE BRONZE ELBOW 90 4"
IBRLF9DC	LEAD FREE BRONZE RED. ELBOW 1/2X3/8"
IBRLF9FD	LEAD FREE BRONZE RED. ELBOW 3/4X1/2"
IBRLF9GF	LEAD FREE BRONZE RED. ELBOW 1X3/4"
IBRLF9HF	LEAD FREE BRONZE RED. ELBOW 11/4X3/4"
IBRLF9LK	LEAD FREE BRONZE RED. ELBOW 21/2X2"

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Model Number	Description
IBRLFBDA	LEAD FREE BRONZE BUSHINGS 1/2X1/8"
IBRLFBDB	LEAD FREE BRONZE BUSHINGS 1/2X1/4"
IBRLFBDC	LEAD FREE BRONZE BUSHINGS 1/2X3/8"
IBRLFBFB	LEAD FREE BRONZE BUSHINGS 3/4X1/4"
IBRLFBFC	LEAD FREE BRONZE BUSHINGS 3/4X3/8"
IBRLFBFD	LEAD FREE BRONZE BUSHINGS 3/4X1/2"
IBRLFBGD	LEAD FREE BRONZE BUSHINGS 1X1/2"
IBRLFBGF	LEAD FREE BRONZE BUSHINGS 1X3/4"
IBRLFBHF	LEAD FREE BRONZE BUSHINGS 11/4X3/4"
IBRLFBHG	LEAD FREE BRONZE BUSHINGS 11/4X1"
IBRLFBJG	LEAD FREE BRONZE BUSHINGS 11/2X1"
IBRLFBJH	LEAD FREE BRONZE BUSHINGS 11/2X11/4"
IBRLFBKH	LEAD FREE BRONZE BUSHINGS 2X11/4"
IBRLFBKJ	LEAD FREE BRONZE BUSHINGS 2X11/2"
IBRLFBLG	LEAD FREE BRONZE BUSHINGS 21/2X1"
IBRLFBLJ	LEAD FREE BRONZE BUSHINGS 21/2X11/2"
IBRLFBLK	LEAD FREE BRONZE BUSHINGS 21/2X2"
IBRLFBMK	LEAD FREE BRONZE BUSHINGS 3X2"
IBRLFBML	LEAD FREE BRONZE BUSHINGS 3X21/2"
IBRLFBPM	LEAD FREE BRONZE BUSHINGS 4X3"
IBRLFBGB	LEAD FREE BRONZE BUSHINGS 1X1/4"
IBRLFBGC	LEAD FREE BRONZE BUSHINGS 1X3/8"
IBRLFBHD	LEAD FREE BRONZE BUSHINGS 11/4X1/2"
IBRLFBJB	LEAD FREE BRONZE BUSHINGS 11/2X1/4"
IBRLFBJD	LEAD FREE BRONZE BUSHINGS 11/2X1/2"
IBRLFBJF	LEAD FREE BRONZE BUSHINGS 11/2X3/4"
IBRLFBKD	LEAD FREE BRONZE BUSHINGS 2X1/2"
IBRLFBKF	LEAD FREE BRONZE BUSHINGS 2X3/4"
IBRLFBKG	LEAD FREE BRONZE BUSHINGS 2X1"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

This certificate is not evidence of current listing.To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

Model Number	Description
IBRLFBMJ	LEAD FREE BRONZE BUSHINGS 3X11/2"
IBRLFHBPK	LEAD FREE BRONZE BUSHINGS 4X2"
IBRLFCAPC	LEAD FREE BRONZE CAPS 3/8"
IBRLFCAPD	LEAD FREE BRONZE CAPS 1/2"
IBRLFCAPF	LEAD FREE BRONZE CAPS 3/4"
IBRLFCAPG	LEAD FREE BRONZE CAPS 1"
IBRLFCAPH	LEAD FREE BRONZE CAPS 11/4"
IBRLFCAPJ	LEAD FREE BRONZE CAPS 11/2"
IBRLFCAPK	LEAD FREE BRONZE CAPS 2"
IBRLFCAPL	LEAD FREE BRONZE CAPS 21/2"
IBRLFCAPM	LEAD FREE BRONZE CAPS 3"
IBRLFCA	LEAD FREE BRONZE COUPLINGS 1/8"
IBRLFCB	LEAD FREE BRONZE COUPLINGS 1/4"
IBRLFCD	LEAD FREE BRONZE COUPLINGS 1/2"
IBRLFCF	LEAD FREE BRONZE COUPLINGS 3/4"
IBRLFCG	LEAD FREE BRONZE COUPLINGS 1"
IBRLFCH	LEAD FREE BRONZE COUPLINGS 11/4"
IBRLFCJ	LEAD FREE BRONZE COUPLINGS 11/2"
IBRLFCK	LEAD FREE BRONZE COUPLINGS 2"
IBRLFCL	LEAD FREE BRONZE COUPLINGS 21/2"
IBRLFCM	LEAD FREE BRONZE COUPLINGS 3"
IBRLFCP	LEAD FREE BRONZE COUPLINGS 4"
IBRLFCPLUGD	LEAD FREE BRONZE SQ HEAD CORED PLUG 1/2"
IBRLFCPLUGF	LEAD FREE BRONZE SQ HEAD CORED PLUG 3/4"
IBRLFCPLUGG	LEAD FREE BRONZE SQ HEAD CORED PLUG 1"
IBRLFCPLUGH	LEAD FREE BRONZE SQ HEAD CORED PLUG 11/4"
IBRLFCPLUGJ	LEAD FREE BRONZE SQ HEAD CORED PLUG 11/2"
IBRLFCPLUGK	LEAD FREE BRONZE SQ HEAD CORED PLUG 2"
IBRLFCPLUGL	LEAD FREE BRONZE SQ HEAD CORED PLUG 21/2"

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Model Number	Description
IBRLFCPLUGM	LEAD FREE BRONZE SQ HEAD CORED PLUG 3"
IBRLFCRB	LEAD FREE BRONZE CROSSES 1M"
IBRLFCRD	LEAD FREE BRONZE CROSSES 1Q"
IBRLFCRF	LEAD FREE BRONZE CROSSES 3/4"
IBRLFCRG	LEAD FREE BRONZE CROSSES 1"
IBRLFCRJ	LEAD FREE BRONZE CROSSES 11/2"
IBRLFCRK	LEAD FREE BRONZE CROSSES 2"
IBRLFLNB	LEAD FREE BRONZE LOCKNUTS 1M"
IBRLFLNC	LEAD FREE BRONZE LOCKNUTS 8"
IBRLFLND	LEAD FREE BRONZE LOCKNUTS 1Q"
IBRLFLNF	LEAD FREE BRONZE LOCKNUTS 3M"
IBRLFLNG	LEAD FREE BRONZE LOCKNUTS 1"
IBRLFRCBA	LEAD FREE BRONZE RED. COUPLING 1/4X1/8"
IBRLFRCCA	LEAD FREE BRONZE RED. COUPLING 3/8X1/8"
IBRLFRCCB	LEAD FREE BRONZE RED. COUPLING 3/8X1/4"
IBRLFRCDA	LEAD FREE BRONZE RED. COUPLING 1/2X1/8"
IBRLFRCDB	LEAD FREE BRONZE RED. COUPLING 1/2X1/4"
IBRLFRCDC	LEAD FREE BRONZE RED. COUPLING 1/2X3/8"
IBRLFRCFB	LEAD FREE BRONZE RED. COUPLING 3/4X1/4"
IBRLFRCFC	LEAD FREE BRONZE RED. COUPLING 3/4X3/8"
IBRLFRCFD	LEAD FREE BRONZE RED. COUPLING 3/4X1/2"
IBRLFRCGD	LEAD FREE BRONZE RED. COUPLING 1X1/2"
IBRLFRCGF	LEAD FREE BRONZE RED. COUPLING 1X3/4"
IBRLFRCHD	LEAD FREE BRONZE RED. COUPLING 11/4X1/2"
IBRLFRCHF	LEAD FREE BRONZE RED. COUPLING 11/4X3/4"
IBRLFRCHG	LEAD FREE BRONZE RED. COUPLING 11/4X1"
IBRLFRCJD	LEAD FREE BRONZE RED. COUPLING 11/2X1/2"
IBRLFRCJF	LEAD FREE BRONZE RED. COUPLING 11/2X3/4"
IBRLFRCJG	LEAD FREE BRONZE RED. COUPLING 11/2X1"

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Model Number	Description
IBRLFRCJH	LEAD FREE BRONZE RED. COUPLING 11/2X11/4"
IBRLFRCKF	LEAD FREE BRONZE RED. COUPLING 2X3/4"
IBRLFRCKG	LEAD FREE BRONZE RED. COUPLING 2X1"
IBRLFRCKH	LEAD FREE BRONZE RED. COUPLING 2X11/4"
IBRLFRCKJ	LEAD FREE BRONZE RED. COUPLING 2X11/2"
IBRLFRCLK	LEAD FREE BRONZE RED. COUPLING 21/2X2"
IBRLFRCMK	LEAD FREE BRONZE RED. COUPLING 3X2"
IBRLFRCML	LEAD FREE BRONZE RED. COUPLING 3X21/2"
IBRLFRCPM	LEAD FREE BRONZE RED. COUPLING 4X3"
IBRLFS4D	LEAD FREE BRONZE 45 STR. ELBOW 1/2"
IBRLFS4F	LEAD FREE BRONZE 45 STR. ELBOW 3/4"
IBRLFS4G	LEAD FREE BRONZE 45 STR. ELBOW 1"
IBRLFS4J	LEAD FREE BRONZE 45 STR. ELBOW 11/2"
IBRLFS4K	LEAD FREE BRONZE 45 STR. ELBOW 2"
IBRLFS9B	LEAD FREE BRONZE STR. ELBOW 90 1/4'
IBRLFS9C	LEAD FREE BRONZE STR. ELBOW 90 3/8"
IBRLFS9D	LEAD FREE BRONZE STR. ELBOW 90 1/2"
IBRLFS9F	LEAD FREE BRONZE STR. ELBOW 90 3/4"
IBRLFS9G	LEAD FREE BRONZE STR. ELBOW 90 1"
IBRLFS9H	LEAD FREE BRONZE STR. ELBOW 90 11/4"
IBRLFS9J	LEAD FREE BRONZE STR. ELBOW 90 11/2"
IBRLFS9K	LEAD FREE BRONZE STR. ELBOW 90 2"
IBRLFS9L	LEAD FREE BRONZE STR. ELBOW 90 21/2"
IBRLFS9M	LEAD FREE BRONZE STR. ELBOW 90 3"
IBRLFS9P	LEAD FREE BRONZE STR. ELBOW 90 4"
IBRLFTA	LEAD FREE BRONZE TEE 1/8"
IBRLFTB	LEAD FREE BRONZE TEE 1/4"
IBRLFTC	LEAD FREE BRONZE TEE 3/8"
IBRLFTD	LEAD FREE BRONZE TEE 1/2"

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Model Number	Description
IBRLFTF	LEAD FREE BRONZE TEE 3/4"
IBRLFTG	LEAD FREE BRONZE TEE 1"
IBRLFTH	LEAD FREE BRONZE TEE 11/4"
IBRLFTJ	LEAD FREE BRONZE TEE 11/2"
IBRLFTK	LEAD FREE BRONZE TEE 2"
IBRLFTL	LEAD FREE BRONZE TEE 21/2"
IBRLFTM	LEAD FREE BRONZE TEE 3"
IBRLFTDDB	LEAD FREE BRONZE RED. TEES 1/2X1/4"
IBRLFTDDC	LEAD FREE BRONZE RED. TEES 1/2X1/2X3/8"
IBRLFTDDF	LEAD FREE BRONZE RED. TEES 1/2X1/2X3/4"
IBRLFTFDD	LEAD FREE BRONZE RED. TEES 3/4X1/2X1/2"
IBRLFTFDF	LEAD FREE BRONZE RED. TEES 3/4X1/2X3/4"
IBRLFTFFD	LEAD FREE BRONZE RED. TEES 3/4X1/2"
IBRLFTGGD	LEAD FREE BRONZE RED. TEES 1X1/2"
IBRLFTGGF	LEAD FREE BRONZE RED. TEES 1X3/4"
IBRLFTJJD	LEAD FREE BRONZE RED. TEES 11/2X1/2"
IBRLFTJJF	LEAD FREE BRONZE RED. TEES 11/2X3/4"
IBRLFTJJG	LEAD FREE BRONZE RED. TEES 11/2X1"
IBRLFTKKF	LEAD FREE BRONZE RED. TEES 2X3/4"
IBRLFTKKG	LEAD FREE BRONZE RED. TEES 2X1"
IBRLFTKKJ	LEAD FREE BRONZE RED. TEES 2X11/2"

Sch.40 Welded Hot-Dipped Galvanized Steel

Model Number	Description
IGNA	GALV.NIPPLES 1/8" dia.
IGNB	GALV.NIPPLES 1/4" dia.
IGNC	GALV.NIPPLES 3/8" dia.
IGND	GALV.NIPPLES 1/2" dia.
IGNF	GALV.NIPPLES 3/4" dia.

Model Number	Description
IGNG	GALV.NIPPLES 1" dia.
IGNH	GALV.NIPPLES 11/4" dia.
IGNJ	GALV.NIPPLES 11/2" dia.
IGNK	GALV.NIPPLES 2" dia.
IGNL	GALV.NIPPLES 21/2" dia.
IGNM	GALV.NIPPLES 3" dia.
IGNP	GALV.NIPPLES 4" dia.
IGNS	GALV.NIPPLES 5" dia.
IGNU	GALV.NIPPLES 6" dia.

Sch.80 Seamless Hot-Dipped Galvanized Steel

Model Number	Description
IGXNC	SCH80. SEAMLESS GALV.NIPPLES 3/8" dia.
IGXND	SCH80. SEAMLESS GALV.NIPPLES 1/2" dia.
IGXNF	SCH80. SEAMLESS GALV.NIPPLES 3/4" dia.
IGXNG	SCH80. SEAMLESS GALV.NIPPLES 1" dia.
IGXNJ	SCH80. SEAMLESS GALV.NIPPLES 11/2" dia.
IGXNK	SCH80. SEAMLESS GALV.NIPPLES 2" dia.

Standard Hot-Dipped Galvanized Merchant Coupling

Model Number	Description
IGSCSTA	GALV. MERCHANT COUPLING 1/8"
IGSCSTB	GALV. MERCHANT COUPLING 1/4"
IGSCSTC	GALV. MERCHANT COUPLING 3/8"
IGSCSTD	GALV.MERCHANT COUPLING 1/2"
IGSCSTF	GALV. MERCHANT COUPLING 3/4"
IGSCSTG	GALV. MERCHANT COUPLING 1"
IGSCSTH	GALV. MERCHANT COUPLING 11/4"
IGSCSTJ	GALV. MERCHANT COUPLING 11/2"

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Model Number	Description
IGSCSTK	GALV. MERCHANT COUPLING 2"
IGSCTTL	GALV. MERCHANT COUPLING 21/2"
IGSCTTM	GALV. MERCHANT COUPLING 3"
IGSCTTP	GALV. MERCHANT COUPLING 4"
IGSCTTU	GALV.MERCHANT COUPLING 6"

JINAN KINGER INDUSTRY CORPORATION

Model Number	Description
JKDCV-F300 2"	Swing Check Valve
JKDCV-F300 2 1/2"	Swing Check Valve
JKDCV-F300 3"	Swing Check Valve
JKDCV-F300 4"	Swing Check Valve
JKDCV-F300 5"	Swing Check Valve
JKDCV-F300 6"	Swing Check Valve
JKDCV-F300 8"	Swing Check Valve
JKDCV-F300 10"	Swing Check Valve
JKDCV-F300 12"	Swing Check Valve
JKD45FW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint

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Model Number	Description
JKD45FW 14"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 16"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 18"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 20"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKD45FW 24"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
JKDZ45MW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 14"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 16"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 18"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 20"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45MW 24"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
JKDZ45FMW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
JKDZ45FMPF 4"	Gate Valve

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Model Number	Description
JKDZ45FMPF 5"	Gate Valve
JKDZ45FMPF 6"	Gate Valve
JKDZ45FMPF 8"	Gate Valve
JKDZ45FMPF 10"	Gate Valve
JKDZ45FMPF 12"	Gate Valve
JKDZ45F 14"	Gate Valve
JKDZ45F 16"	Gate Valve
JKDZ45F 18"	Gate Valve
JKDZ45F 20"	Gate Valve
JKDZ45F 24"	Gate Valve

Jones Stephens Corporation

Model Number	Description
G/B235	ELBOW 90 - 1/8"
G/B235	ELBOW 90 - 1/4"
G/B235	ELBOW 90 - 3/8"
G/B235	ELBOW 90 - 1/2"
G/B235	ELBOW 90 - 3/4"
G/B235	ELBOW 90 - 1"
G/B235	ELBOW 90 - 1-1/4"
G/B235	ELBOW 90 - 1-1/2"
G/B235	ELBOW 90 - 2"
G/B235	ELBOW 90 - 2-1/2"
G/B235	ELBOW 90 - 3"
G/B235	ELBOW 90 - 3-1/2"
G/B235	ELBOW 90 - 4"

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Model Number	Description
G/B235	ELBOW 90 - 5"
G/B235	ELBOW 90 - 6"
G/B254	STREET ELBOW 90 - 1/8"
G/B254	STREET ELBOW 90 - 1/4"
G/B254	STREET ELBOW 90 - 3/8"
G/B254	STREET ELBOW 90 - 1/2"
G/B254	STREET ELBOW 90 - 3/4"
G/B254	STREET ELBOW 90 - 1"
G/B254	STREET ELBOW 90 - 1-1/4"
G/B254	STREET ELBOW 90 - 1-1/2"
G/B254	STREET ELBOW 90 - 2"
G/B254	STREET ELBOW 90 - 2-1/2"
G/B254	STREET ELBOW 90 - 3"
G/B254	STREET ELBOW 90 - 4"
G/B254	STREET ELBOW 90 - 5"
G/B254	STREET ELBOW 90 - 6"
G/B290	45 ELBOW - 1/8"
G/B290	45 ELBOW - 1/4"
G/B290	45 ELBOW - 3/8"
G/B290	45 ELBOW - 1/2"
G/B290	45 ELBOW - 3/4"
G/B290	45 ELBOW - 1"
G/B290	45 ELBOW - 1-1/4"
G/B290	45 ELBOW - 1-1/2"
G/B290	45 ELBOW - 2"
G/B290	45 ELBOW - 2-1/2"
G/B290	45 ELBOW - 3"
G/B290	45 ELBOW - 4"
G/B290	45 ELBOW - 5"

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Model Number	Description
G/B290	45 ELBOW - 6"
G/B295	45 STR. ELBOW - 1/8"
G/B295	45 STR. ELBOW - 1/4"
G/B295	45 STR. ELBOW - 3/8"
G/B295	45 STR. ELBOW - 1/2"
G/B295	45 STR. ELBOW - 3/4"
G/B295	45 STR. ELBOW - 1"
G/B295	45 STR. ELBOW - 1-1/4"
G/B295	45 STR. ELBOW - 1-1/2"
G/B295	45 STR. ELBOW - 2"
G/B295	45 STR. ELBOW - 2-1/2"
G/B295	45 STR. ELBOW - 3"
G/B295	45 STR. ELBOW - 4"
G/B460	TEE - 1/8"
G/B460	TEE - 1/4"
G/B460	TEE - 3/8"
G/B460	TEE - 1/2"
G/B460	TEE - 3/4"
G/B460	TEE - 1"
G/B460	TEE - 1-1/4"
G/B460	TEE - 1-1/2"
G/B460	TEE - 2"
G/B460	TEE - 2-1/2"
G/B460	TEE - 3"
G/B460	TEE - 3-1/2"
G/B460	TEE - 4"
G/B460	TEE - 5"
G/B460	TEE - 6"
G/B486	VICE TEES, BANDED, EQUAL - 1/8"

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Model Number	Description
G/B486	VICE TEES, BANDED, EQUAL - 3/8"
G/B486	VICE TEES, BANDED, EQUAL - 1/2"
G/B486	VICE TEES, BANDED, EQUAL - 3/4"
G/B486	VICE TEES, BANDED, EQUAL - 1"
G/B486	VICE TEES, BANDED, EQUAL - 1-1/4"
G/B486	VICE TEES, BANDED, EQUAL - 1-1/2"
G/B486	VICE TEES, BANDED, EQUAL - 2"
G/B195	CROSSES - 1/8"
G/B195	CROSSES - 1/4"
G/B195	CROSSES - 3/8"
G/B195	CROSSES - 1/2"
G/B195	CROSSES - 3/4"
G/B195	CROSSES - 1"
G/B195	CROSSES - 1-1/4"
G/B195	CROSSES - 1-1/2"
G/B195	CROSSES - 2"
G/B195	CROSSES - 2-1/2"
G/B195	CROSSES - 3"
G/B195	CROSSES - 3-1/2"
G/B195	CROSSES - 4"
G/B195	CROSSES - 5"
G/B195	CROSSES - 6"
G/B165	COUPLINGS - 1/8"
G/B165	COUPLINGS - 1/4"
G/B165	COUPLINGS - 3/8"
G/B165	COUPLINGS - 1/2"
G/B165	COUPLINGS - 3/4"
G/B165	COUPLINGS - 1"
G/B165	COUPLINGS - 1-1/4"

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Model Number	Description
G/B165	COUPLINGS - 1-1/2"
G/B165	COUPLINGS - 2"
G/B165	COUPLINGS - 2-1/2"
G/B165	COUPLINGS - 3"
G/B165	COUPLINGS - 4"
G/B165R	RED. COUPLINGS - 3/8 x 1/8
G/B165R	RED. COUPLINGS - 3/8 x 1/4
G/B165R	RED. COUPLINGS - 1/4 x 1/8
G/B165R	RED. COUPLINGS - 1/2 x 1/8
G/B165R	RED. COUPLINGS - 1/2 x 1/4
G/B165R	RED. COUPLINGS - 1/2 x 3/8
G/B165R	RED. COUPLINGS - 3/4 x 1/4
G/B165R	RED. COUPLINGS - 3/4 x 3/8
G/B165R	RED. COUPLINGS - 3/4 x 1/2
G/B165R	RED. COUPLINGS - 1 x 1/4
G/B165R	RED. COUPLINGS - 1 x 3/8
G/B165R	RED. COUPLINGS - 1 x 1/2
G/B165R	RED. COUPLINGS - 1 x 3/4
G/B165R	RED. COUPLINGS - 1-1/4 x 1/2
G/B165R	RED. COUPLINGS - 1-1/4 x 3/4
G/B165R	RED. COUPLINGS - 1-1/4 x 1
G/B165R	RED. COUPLINGS - 1-1/2 x 1/2
G/B165R	RED. COUPLINGS - 1-1/2 x 3/4
G/B165R	RED. COUPLINGS - 1-1/2 x 1
G/B165R	RED. COUPLINGS - 1-1/2 x 1-1/4
G/B165R	RED. COUPLINGS - 2 x 1/2
G/B165R	RED. COUPLINGS - 2 x 3/4
G/B165R	RED. COUPLINGS - 2 x 1
G/B165R	RED. COUPLINGS - 2 x 1-1/4

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
G/B165R	RED. COUPLINGS - 2 x 1-1/2
G/B165R	RED. COUPLINGS - 2-1/2 x 1-1/2
G/B165R	RED. COUPLINGS - 2-1/2 x 2
G/B165R	RED. COUPLINGS - 3 x 1-1/2
G/B165R	RED. COUPLINGS - 3 x 2
G/B165R	RED. COUPLINGS - 3 x 2-1/2
G/B165R	RED. COUPLINGS - 4 x 2
G/B165R	RED. COUPLINGS - 4 x 3
G/B165R	RED. COUPLINGS - 4 x 1
G/B165R	RED. COUPLINGS - 4 x 1-1/2
G/B165R	RED. COUPLINGS - 4 x 2-1/2
G/B165R	RED. COUPLINGS - 5 x 4
G/B165R	RED. COUPLINGS - 6 x 4
G/B165R	RED. COUPLINGS - 6 x 5
G/B165R	RED. COUPLINGS - 6 x 2
G/B165R	RED. COUPLINGS - 6 x 3
G/B165R	RED. COUPLINGS - 3/4 x 1/8
G/B165R	RED. COUPLINGS - 1-1/4 x 3/8
G/B165R	RED. COUPLINGS - 1-1/2 x 3/8
G/B165R	RED. COUPLINGS - 1-1/2 x 1/4
G/B165R	RED. COUPLINGS - 2 x 3/8
G/B165R	RED. COUPLINGS - 2-1/2 x 3/4
G/B165R	RED. COUPLINGS - 2-1/2 x 1
G/B165R	RED. COUPLINGS - 2-1/2 x 1-1/4
G/B165R	RED. COUPLINGS - 3 x 3/4
G/B165R	RED. COUPLINGS - 3 x 1
G/B165R	RED. COUPLINGS - 3 x 1-1/4
G/B144	BUSHINGS - 3/8 x 1/8
G/B144	BUSHINGS - 3/8 x 1/4

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Model Number	Description
G/B144	BUSHINGS - 1/4 x 1/8
G/B144	BUSHINGS - 1/2 x 1/4
G/B144	BUSHINGS - 1/2 x 3/8
G/B144	BUSHINGS - 1/2 x 1/8
G/B144	BUSHINGS - 3/4 x 3/8
G/B144	BUSHINGS - 3/4 x 1/2
G/B144	BUSHINGS - 3/4 x 1/8
G/B144	BUSHINGS - 3/4 x 1/4
G/B144	BUSHINGS - 1 x 1/2
G/B144	BUSHINGS - 1 x 3/4
G/B144	BUSHINGS - 1-1/4 x 3/4
G/B144	BUSHINGS - 1-1/4 x 1
G/B144	BUSHINGS - 1-1/2 x 1
G/B144	BUSHINGS - 1-1/2 x 1-1/4
G/B144	BUSHINGS - 2 x 1-1/4
G/B144	BUSHINGS - 2 x 1-1/2
G/B144	BUSHINGS - 2-1/2 x 1-1/2
G/B144	BUSHINGS - 2-1/2 x 2
G/B144	BUSHINGS - 3 x 2
G/B144	BUSHINGS - 3 x 2-1/2
G/B144	BUSHINGS - 3-1/2 x 2-1/2
G/B144	BUSHINGS - 3-1/2 x 3
G/B144	BUSHINGS - 4 x 3
G/B144	BUSHINGS - 4 x 3-1/2
G/B144	BUSHINGS - 1-1/2 x 3/4
G/B144	BUSHINGS - 2 x 3/4
G/B144	BUSHINGS - 2 x 1
G/B144	BUSHINGS - 2-1/2 x 3/4
G/B144	BUSHINGS - 2-1/2 x 1

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Model Number	Description
G/B144	BUSHINGS - 2-1/2 x 1-1/4
G/B144	BUSHINGS - 3 x 3/4
G/B144	BUSHINGS - 3 x 1
G/B144	BUSHINGS - 3 x 1-1/4
G/B144	BUSHINGS - 3 x 1-1/2
G/B144	BUSHINGS - 4 x 1-1/4
G/B144	BUSHINGS - 4 x 1-1/2
G/B144	BUSHINGS - 1 X 3/8
G/B144	BUSHINGS - 1 X 1/4
G/B144	BUSHINGS - 1 X 1/8
G/B144	BUSHINGS - 1-1/4 x 3/8
G/B144	BUSHINGS - 1-1/4 x 1/4
G/B144	BUSHINGS - 1-1/4 x 1/2
G/B144	BUSHINGS - 1-1/2 x 1/4
G/B144	BUSHINGS - 1-1/2 x 1/8
G/B144	BUSHINGS - 1-1/2 x 3/8
G/B144	BUSHINGS - 1-1/2 x 1/2
G/B144	BUSHINGS - 2 x 1/4
G/B144	BUSHINGS - 2 x 3/8
G/B144	BUSHINGS - 2 x 1/2
G/B144	BUSHINGS - 2-1/2 x 1/2
G/B144	BUSHINGS - 3 x 1/2
G/B144	BUSHINGS - 5 X 4
G/B144	BUSHINGS - 6 X 5
G/B144	BUSHINGS - 4 x 3/4
G/B144	BUSHINGS - 4 x 1
G/B144	BUSHINGS - 4 x 2
G/B144	BUSHINGS - 4 x 2-1/2
G/B144	BUSHINGS - 5 x 3

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Model Number	Description
G/B144	BUSHINGS - 6 X 4
G/B144	BUSHINGS - 6 X 2
G/B144	BUSHINGS - 6 X 3
G/B396	PLUGS CORED - 1/8"
G/B396	PLUGS CORED - 1/4"
G/B396	PLUGS CORED - 3/8"
G/B396	PLUGS CORED - 1/2"
G/B396	PLUGS CORED - 3/4"
G/B396	PLUGS CORED - 1"
G/B396	PLUGS CORED - 1-1/4"
G/B396	PLUGS CORED - 1-1/2"
G/B396	PLUGS CORED - 2"
G/B396	PLUGS CORED - 2-1/2"
G/B396	PLUGS CORED - 3"
G/B396	PLUGS CORED - 4"
G/B396	PLUGS CORED - 5"
G/B396	PLUGS CORED - 6"
G/B155	CAPS - 1/8"
G/B155	CAPS - 1/4"
G/B155	CAPS - 3/8"
G/B155	CAPS - 1/2"
G/B155	CAPS - 3/4"
G/B155	CAPS - 1"
G/B155	CAPS - 1-1/4"
G/B155	CAPS - 1-1/2"
G/B155	CAPS - 2"
G/B155	CAPS - 2-1/2"
G/B155	CAPS - 3"
G/B155	CAPS - 3-1/2"

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Model Number	Description
G/B155	CAPS - 4"
G/B155	CAPS - 5"
G/B155	CAPS - 6"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1/8"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1/4"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 3/8"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1/2"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 3/4"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1-1/4"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 1-1/2"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 2"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 2-1/2"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 3"
G/B355	ROUND FLANGES, WITH 4 BOLT HOLES - 4"
G/B657	UNIONS - 1/8"
G/B657	UNIONS - 1/4"
G/B657	UNIONS - 3/8"
G/B657	UNIONS - 1/2"
G/B657	UNIONS - 3/4"
G/B657	UNIONS - 1"
G/B657	UNIONS - 1-1/4"
G/B657	UNIONS - 1-1/2"
G/B657	UNIONS - 2"
G/B657	UNIONS - 2-1/2"
G/B657	UNIONS - 3"
G/B657	UNIONS - 4"
G/B460R	RED. TEES - 3/8 x 3/8 x 1/8
G/B460R	RED. TEES - 3/8 x 3/8 x 1/4

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Model Number	Description
G/B460R	RED. TEES - 1/2 x 1/2 x 1/8
G/B460R	RED. TEES - 1/4 x 1/4 x 1/8
G/B460R	RED. TEES - 3/8 x 3/8 x 1/2
G/B460R	RED. TEES - 1/2 x 1/2 x 3/4
G/B460R	RED. TEES - 1/2 x 1/2 x 1
G/B460R	RED. TEES - 3/4 x 3/4 x 1
G/B460R	RED. TEES - 1 x 1 x 1-1/4
G/B460R	RED. TEES - 1 x 1 x 1-1/2
G/B460R	RED. TEES - 1 x 1 x 2
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 1-1/2
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 2
G/B460R	RED. TEES - 1-1/2 x 1-1/2 x 2
G/B460R	RED. TEES - 2 x 2 x 2-1/2
G/B460R	RED. TEES - 1 x 1/2 x 1/2
G/B460R	RED. TEES - 1 x 3/4 x 3/4
G/B460R	RED. TEES - 1-1/4 x 1/2 x 1/2
G/B460R	RED. TEES - 1-1/4 x 3/4 x 3/4
G/B460R	RED. TEES - 1-1/4 x 1 x 1
G/B460R	RED. TEES - 1-1/2 x 3/4 x 3/4
G/B460R	RED. TEES - 1-1/2 x 1 x 1
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 1-1/4
G/B460R	RED. TEES - 2 x 1 x 1
G/B460R	RED. TEES - 2 x 1-1/4 x 1-1/4
G/B460R	RED. TEES - 2 x 1-1/2 x 1-1/2
G/B460R	RED. TEES - 2-1/2 x 2 x 2
G/B460R	RED. TEES - 3 x 2 x 2
G/B460R	RED. TEES - 1-1/2 x 1/2 x 1-1/2
G/B460R	RED. TEES - 1-1/2 x 3/4 x 1-1/2
G/B460R	RED. TEES - 1-1/2 x 1 x 1-1/2

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Model Number	Description
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 1-1/2
G/B460R	RED. TEES - 2 x 1/2 x 2
G/B460R	RED. TEES - 2 x 3/4 x 2
G/B460R	RED. TEES - 2 x 1 x 2
G/B460R	RED. TEES - 2 x 1-1/4 x 2
G/B460R	RED. TEES - 2 x 1-1/2 x 2
G/B460R	RED. TEES - 2-1/2 x 1-1/2 x 2-1/2
G/B460R	RED. TEES - 2-1/2 x 2 x 2-1/2
G/B460R	RED. TEES - 3 x 2 x 3
G/B460R	RED. TEES - 1/2 x 1/4 x 1/2
G/B460R	RED. TEES - 1/2 x 3/8 x 1/2
G/B460R	RED. TEES - 3/4 x 1/2 x 3/4
G/B460R	RED. TEES - 1 x 1/2 x 1
G/B460R	RED. TEES - 1 x 3/4 x 1
G/B460R	RED. TEES - 1-1/4 x 1/2 x 1-1/4
G/B460R	RED. TEES - 1-1/4 x 3/4 x 1-1/4
G/B460R	RED. TEES - 1-1/4 x 1 x 1-1/4
G/B460R	RED. TEES - 1 x 1/2 x 3/4
G/B460R	RED. TEES - 1 x 3/4 x 1/2
G/B460R	RED. TEES - 1-1/4 x 1/2 x 3/4
G/B460R	RED. TEES - 1-1/4 x 1/2 x 1
G/B460R	RED. TEES - 1-1/4 x 3/4 x 1/2
G/B460R	RED. TEES - 1-1/4 x 3/4 x 1
G/B460R	RED. TEES - 1-1/4 x 1 x 1/2
G/B460R	RED. TEES - 1-1/4 x 1 x 3/4
G/B460R	RED. TEES - 1-1/4 x 1 x 1-1/2
G/B460R	RED. TEES - 1-1/2 x 1/2 x 3/4
G/B460R	RED. TEES - 1-1/2 x 3/4 x 1/2
G/B460R	RED. TEES - 1-1/2 x 3/4 x 1

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Model Number	Description
G/B460R	RED. TEES - 1-1/2 x 3/4 x 1-1/4
G/B460R	RED. TEES - 1-1/2 x 1 x 1/2
G/B460R	RED. TEES - 1-1/2 x 1 x 3/4
G/B460R	RED. TEES - 1-1/2 x 1 x 1-1/4
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 1/2
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 3/4
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 1
G/B460R	RED. TEES - 1-1/2 x 1-1/4 x 2
G/B460R	RED. TEES - 2 x 1 x 1-1/2
G/B460R	RED. TEES - 2 x 1-1/4 x 1
G/B460R	RED. TEES - 2 x 1-1/4 x 1-1/2
G/B460R	RED. TEES - 2 x 1-1/2 x 1/2
G/B460R	RED. TEES - 2 x 1-1/2 x 3/4
G/B460R	RED. TEES - 2 x 1-1/2 x 1
G/B460R	RED. TEES - 2 x 1-1/2 x 1-1/4
G/B460R	RED. TEES - 2-1/2 x 1-1/2 x 2
G/B460R	RED. TEES - 1/2 x 1/2 x 1/4
G/B460R	RED. TEES - 1/2 x 1/2 x 3/8
G/B460R	RED. TEES - 3/4 x 3/4 x 1/4
G/B460R	RED. TEES - 3/4 x 3/4 x 3/8
G/B460R	RED. TEES - 3/4 x 3/4 x 1/2
G/B460R	RED. TEES - 3/4 x 1/2 x 1/2
G/B460R	RED. TEES - 1 x 1 x 1/4
G/B460R	RED. TEES - 1 x 1 x 3/8
G/B460R	RED. TEES - 1 x 1 x 1/2
G/B460R	RED. TEES - 1 x 1 x 3/4
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 3/8
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 1/2
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 3/4

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Model Number	Description
G/B460R	RED. TEES - 1-1/4 x 1-1/4 x 1
G/B460R	RED. TEES - 1-1/2 x 1-1/2 x 1/2
G/B460R	RED. TEES - 1-1/2 x 1-1/2 x 3/4
G/B460R	RED. TEES - 1-1/2 x 1-1/2 x 1
G/B460R	RED. TEES - 1-1/2 x 1-1/2 x 1-1/4
G/B460R	RED. TEES - 2 x 2 x 1/2
G/B460R	RED. TEES - 2 x 2 x 3/4
G/B460R	RED. TEES - 2 x 2 x 1
G/B460R	RED. TEES - 2 x 2 x 1-1/4
G/B460R	RED. TEES - 2 x 2 x 1-1/2
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 1/2
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 3/4
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 1
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 1-1/4
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 1-1/2
G/B460R	RED. TEES - 2-1/2 x 2-1/2 x 2
G/B460R	RED. TEES - 3 x 3 x 1/2
G/B460R	RED. TEES - 3 x 3 x 3/4
G/B460R	RED. TEES - 3 x 3 x 1
G/B460R	RED. TEES - 3 x 3 x 1-1/4
G/B460R	RED. TEES - 3 x 3 x 1-1/2
G/B460R	RED. TEES - 3 x 3 x 2
G/B460R	RED. TEES - 3 x 3 x 2-1/2
G/B460R	RED. TEES - 4 x 4 x 1/2
G/B460R	RED. TEES - 4 x 4 x 3/4
G/B460R	RED. TEES - 4 x 4 x 1
G/B460R	RED. TEES - 4 x 4 x 1-1/4
G/B460R	RED. TEES - 4 x 4 x 1-1/2
G/B460R	RED. TEES - 4 x 4 x 2

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Model Number	Description
G/B460R	RED. TEES - 4 x 4 x 2-1/2
G/B460R	RED. TEES - 4 x 4 x 3
G/B460R	RED. TEES - 3/4 x 1/2 x 1
G/B460R	RED. TEES - 3/4 x 3/4 x 1-1/4
G/B460R	RED. TEES - 1-1/2 x 1/2 x 1/2
G/B460R	RED. TEES - 1-1/2 x 1/2 x 1
G/B460R	RED. TEES - 1-1/2 x 1/2 x 1-1/4
G/B460R	RED. TEES - 2 x 1 x 3/4
G/B235R	RED. ELBOW 90 - 3/8 x 1/8
G/B235R	RED. ELBOW 90 - 3/8 x 1/4
G/B235R	RED. ELBOW 90 - 1/2 x 1/8
G/B235R	RED. ELBOW 90 - 1/4 x 1/8
G/B235R	RED. ELBOW 90 - 1 x 1/4
G/B235R	RED. ELBOW 90 - 1 x 3/8
G/B235R	RED. ELBOW 90 - 1 x 1/2
G/B235R	RED. ELBOW 90 - 1 x 3/4
G/B235R	RED. ELBOW 90 - 1-1/4 x 3/8
G/B235R	RED. ELBOW 90 - 1-1/4 x 1/2
G/B235R	RED. ELBOW 90 - 1-1/4 x 3/4
G/B235R	RED. ELBOW 90 - 1-1/4 x 1
G/B235R	RED. ELBOW 90 - 1-1/2 x 1/2
G/B235R	RED. ELBOW 90 - 1-1/2 x 3/4
G/B235R	RED. ELBOW 90 - 1-1/2 x 1
G/B235R	RED. ELBOW 90 - 1-1/2 x 1-1/4
G/B235R	RED. ELBOW 90 - 2 x 1/2
G/B235R	RED. ELBOW 90 - 2 x 3/4
G/B235R	RED. ELBOW 90 - 2 x 1
G/B235R	RED. ELBOW 90 - 2 x 1-1/4
G/B235R	RED. ELBOW 90 - 2 x 1-1/2

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Model Number	Description
G/B235R	RED. ELBOW 90 - 2-1/2 x 1/2
G/B235R	RED. ELBOW 90 - 2-1/2 x 3/4
G/B235R	RED. ELBOW 90 - 2-1/2 x 1
G/B235R	RED. ELBOW 90 - 2-1/2 x 1-1/4
G/B235R	RED. ELBOW 90 - 2-1/2 x 1-1/2
G/B235R	RED. ELBOW 90 - 2-1/2 x 2
G/B235R	RED. ELBOW 90 - 1/2 x 1/4
G/B235R	RED. ELBOW 90 - 1/2 x 3/8
G/B235R	RED. ELBOW 90 - 3/4 x 1/8
G/B235R	RED. ELBOW 90 - 3/4 x 1/4
G/B235R	RED. ELBOW 90 - 3/4 x 3/8
G/B235R	RED. ELBOW 90 - 3/4 x 1/2
G/B235R	RED. ELBOW 90 - 3 x 1/2
G/B235R	RED. ELBOW 90 - 3 x 3/4
G/B235R	RED. ELBOW 90 - 3 x 1
G/B235R	RED. ELBOW 90 - 3 x 1-1/4
G/B235R	RED. ELBOW 90 - 3 x 1-1/2
G/B235R	RED. ELBOW 90 - 3 x 2
G/B235R	RED. ELBOW 90 - 3 x 2-1/2
G/B235R	RED. ELBOW 90 - 4 x 1/2
G/B235R	RED. ELBOW 90 - 4 x 3/4
G/B235R	RED. ELBOW 90 - 4 x 1
G/B235R	RED. ELBOW 90 - 4 x 1-1/4
G/B235R	RED. ELBOW 90 - 4 x 1-1/2
G/B235R	RED. ELBOW 90 - 4 x 2
G/B235R	RED. ELBOW 90 - 4 x 2-1/2
G/B235R	RED. ELBOW 90 - 4 x 3

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

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LANSDALE VALVE MANUFACTURING CORP.

Model Number	Description
LVBRL 1/8"	LEAD FREE BRONZE ELBOW
LVBRL 1/4"	LEAD FREE BRONZE ELBOW
LVBRL 3/8"	LEAD FREE BRONZE ELBOW
LVBRL 1/2"	LEAD FREE BRONZE ELBOW
LVBRL 3/4"	LEAD FREE BRONZE ELBOW
LVBRL 1"	LEAD FREE BRONZE ELBOW
LVBRL 1 1/4"	LEAD FREE BRONZE ELBOW
LVBRL 1 1/2"	LEAD FREE BRONZE ELBOW
LVBRL 2"	LEAD FREE BRONZE ELBOW
LVBRL 2 1/2"	LEAD FREE BRONZE ELBOW
LVBRL 3"	LEAD FREE BRONZE ELBOW
LVBRL 4"	LEAD FREE BRONZE ELBOW
LVBRSTL 1/8"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 1/4"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 3/8"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 1/2"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 3/4"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 1"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 1 1/4"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 1 1/2"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 2"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 2 1/2"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 3"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRSTL 4"	LEAD FREE BRONZE STREET ELBOW 90°
LVBRHL 1/8"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 1/4"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 3/8"	LEAD FREE BRONZE ELBOW 45°

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Model Number	Description
LVBRHL 1/2"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 3/4"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 1"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 1 1/4"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 1 1/2"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 2"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 2 1/2"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 3"	LEAD FREE BRONZE ELBOW 45°
LVBRHL 4"	LEAD FREE BRONZE ELBOW 45°
LVBRSHL 1/8"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 1/4"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 3/8"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 1/2"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 3/4"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 1"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 1 1/4"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 1 1/2"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 2"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRSHL 3"	LEAD FREE BRONZE STREET ELBOW 45°
LVBRT 1/8"	LEAD FREE BRONZE TEES
LVBRT 1/4"	LEAD FREE BRONZE TEES
LVBRT 3/8"	LEAD FREE BRONZE TEES
LVBRT 1/2"	LEAD FREE BRONZE TEES
LVBRT 3/4"	LEAD FREE BRONZE TEES
LVBRT 1"	LEAD FREE BRONZE TEES
LVBRT 1 1/4"	LEAD FREE BRONZE TEES
LVBRT 1 1/2"	LEAD FREE BRONZE TEES
LVBRT 2"	LEAD FREE BRONZE TEES
LVBRT 2 1/2"	LEAD FREE BRONZE TEES

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Model Number	Description
LVBRT 3"	LEAD FREE BRONZE TEES
LVBRT 4"	LEAD FREE BRONZE TEES
LVBRCR 1/8"	LEAD FREE BRONZE CROSS
LVBRCR 1/4"	LEAD FREE BRONZE CROSS
LVBRCR 3/8"	LEAD FREE BRONZE CROSS
LVBRCR 1/2"	LEAD FREE BRONZE CROSS
LVBRCR 3/4"	LEAD FREE BRONZE CROSS
LVBRCR 1"	LEAD FREE BRONZE CROSS
LVBRCR 1 1/4"	LEAD FREE BRONZE CROSS
LVBRCR 1 1/2"	LEAD FREE BRONZE CROSS
LVBRCR 2"	LEAD FREE BRONZE CROSS
LVBRCG 1/8"	LEAD FREE BRONZE COUPLINGS
LVBRCG 1/4"	LEAD FREE BRONZE COUPLINGS
LVBRCG 3/8"	LEAD FREE BRONZE COUPLINGS
LVBRCG 1/2"	LEAD FREE BRONZE COUPLINGS
LVBRCG 3/4"	LEAD FREE BRONZE COUPLINGS
LVBRCG 1"	LEAD FREE BRONZE COUPLINGS
LVBRCG 1 1/4"	LEAD FREE BRONZE COUPLINGS
LVBRCG 1 1/2"	LEAD FREE BRONZE COUPLINGS
LVBRCG 2"	LEAD FREE BRONZE COUPLINGS
LVBRCG 2 1/2"	LEAD FREE BRONZE COUPLINGS
LVBRCG 3"	LEAD FREE BRONZE COUPLINGS
LVBRRC 1 1/2 x 1"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/2 x 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/2 x 3/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/4 x 1"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/4 x 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 1/4 x 3/4"	LEAD FREE BRONZE REDUCING COUPLINGS

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Model Number	Description
LVBRRC 1 x 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 x 3/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1 x 3/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1/2 x 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1/2 x 1/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1/2 x 3/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 1/4 x 1/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 1/2 x 1"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 1/2 x 1 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 1/2 x 2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 x 1"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 x 1 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 x 1 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 x 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 2 x 3/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3 x 2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3 x 2 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3/4 x 1/2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3/4 x 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3/4 x 3/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3/8 x 1/4"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 3/8 x 1/8"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 4 x 2"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRRC 4 x 3"	LEAD FREE BRONZE REDUCING COUPLINGS
LVBRB 1 1/2 x 1"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/2 x 1 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/2 x 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/2 x 1/4"	LEAD FREE BRONZE BUSHINGS

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Model Number	Description
LVBRB 1 1/2 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/2 x 3/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/4 x 1"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/4 x 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/4 x 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 1/4 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 x 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 x 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 x 1/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1 x 3/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 1/2 x 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 1/2 x 1/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 1/2 x 3/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 1/4 x 1/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 1/2 x 1"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 1/2 x 1 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 1/2 x 1 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 1/2 x 2"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 1/2 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 x 1"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 x 1 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 x 1 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 x 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 2 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 3 x 1"	LEAD FREE BRONZE BUSHINGS
LVBRB 3 x 1 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 3 x 1 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 3 x 2"	LEAD FREE BRONZE BUSHINGS

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Model Number	Description
LVBRB 3 x 2 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 3 x 3/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/4 x 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/4 x 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/4 x 1/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/4 x 3/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/8 x 1/4"	LEAD FREE BRONZE BUSHINGS
LVBRB 3/8 x 1/8"	LEAD FREE BRONZE BUSHINGS
LVBRB 4 x 2"	LEAD FREE BRONZE BUSHINGS
LVBRB 4 x 2 1/2"	LEAD FREE BRONZE BUSHINGS
LVBRB 4 x 3"	LEAD FREE BRONZE BUSHINGS
LVBRP 1/8"	LEAD FREE BRONZE PLUG
LVBRP 1/4"	LEAD FREE BRONZE PLUG
LVBRP 3/8"	LEAD FREE BRONZE PLUG
LVBRP 1/2"	LEAD FREE BRONZE PLUG
LVBRP 3/4"	LEAD FREE BRONZE PLUG
LVBRP 1"	LEAD FREE BRONZE PLUG
LVBRP 1 1/4"	LEAD FREE BRONZE PLUG
LVBRP 1 1/2"	LEAD FREE BRONZE PLUG
LVBRP 2"	LEAD FREE BRONZE PLUG
LVBRP 2 1/2"	LEAD FREE BRONZE PLUG
LVBRP 3"	LEAD FREE BRONZE PLUG
LVBRP 4"	LEAD FREE BRONZE PLUG
LVBRCP 1/8"	LEAD FREE BRONZE CAP
LVBRCP 1/4"	LEAD FREE BRONZE CAP
LVBRCP 3/8"	LEAD FREE BRONZE CAP
LVBRCP 1/2"	LEAD FREE BRONZE CAP
LVBRCP 3/4"	LEAD FREE BRONZE CAP
LVBRCP 1"	LEAD FREE BRONZE CAP

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Model Number	Description
LVBRCP 1 1/4"	LEAD FREE BRONZE CAP
LVBRCP 1 1/2"	LEAD FREE BRONZE CAP
LVBRCP 2"	LEAD FREE BRONZE CAP
LVBRCP 2 1/2"	LEAD FREE BRONZE CAP
LVBRCP 3"	LEAD FREE BRONZE CAP
LVBRCP 4"	LEAD FREE BRONZE CAP
LVBRLN 1/8"	LEAD FREE BRONZE LOCKNUT
LVBRLN 1/4"	LEAD FREE BRONZE LOCKNUT
LVBRLN 3/8"	LEAD FREE BRONZE LOCKNUT
LVBRLN 1/2"	LEAD FREE BRONZE LOCKNUT
LVBRLN 3/4"	LEAD FREE BRONZE LOCKNUT
LVBRLN 1"	LEAD FREE BRONZE LOCKNUT
LVBRLN 1 1/4"	LEAD FREE BRONZE LOCKNUT
LVBRLN 1 1/2"	LEAD FREE BRONZE LOCKNUT
LVBRLN 2"	LEAD FREE BRONZE LOCKNUT
LVBRLN 2 1/2"	LEAD FREE BRONZE LOCKNUT
LVBRU 1/8"	LEAD FREE BRONZE UNION
LVBRU 1/4"	LEAD FREE BRONZE UNION
LVBRU 3/8"	LEAD FREE BRONZE UNION
LVBRU 1/2"	LEAD FREE BRONZE UNION
LVBRU 3/4"	LEAD FREE BRONZE UNION
LVBRU 1"	LEAD FREE BRONZE UNION
LVBRU 1 1/4"	LEAD FREE BRONZE UNION
LVBRU 1 1/2"	LEAD FREE BRONZE UNION
LVBRU 2"	LEAD FREE BRONZE UNION
LVBRU 2 1/2"	LEAD FREE BRONZE UNION
LVBRU 3"	LEAD FREE BRONZE UNION
LVBRU 4"	LEAD FREE BRONZE UNION
LVBRRT 1 1/2 x 1"	LEAD FREE BRONZE REDUCING TEES

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Model Number	Description
LVBRRT 1 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/2 x 1 1/4 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/2 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/2 x 1/2 x 1 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/2 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/2 x 3/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 1 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 1 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 3/4 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 3/4 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 1/4 x 3/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1 x 1 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1/2 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1/2 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1/2 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 3/4 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 3/4 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 3/4 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1 x 3/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1/2 x 1/2 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1/2 x 1/2 x 3/8"	LEAD FREE BRONZE REDUCING TEES

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Model Number	Description
LVBRRT 1/2 x 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 1/2 x 1/4 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 1/2 x 1 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 1/2 x 2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 1 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 1 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 1/2 x 2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 2 x 3/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3 x 2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3 x 2 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 1/2 x 1/2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 1/2 x 3/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 3/4 x 1"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/4 x 3/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/8 x 1/4"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 3/8 x 1/8"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 4 x 2"	LEAD FREE BRONZE REDUCING TEES
LVBRRT 4 x 3"	LEAD FREE BRONZE REDUCING TEES
LVBRPLC 1/2"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 3/4"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 1"	LEAD FREE BRONZE COUNTERSUNK PLUG

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Model Number	Description
LVBRPLC 1 1/4"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 1 1/2"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 2"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 2 1/2"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 3"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPLC 4"	LEAD FREE BRONZE COUNTERSUNK PLUG
LVBRPS 1/8"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 1/4"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 3/8"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 1/2"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 3/4"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 1"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 1 1/4"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 1 1/2"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 2"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 2 1/2"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 3"	LEAD FREE BRONZE PLUG SOLID
LVBRPS 4"	LEAD FREE BRONZE PLUG SOLID
LVBRRE 1 1/2 x 1"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/2 x 1 1/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/2 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/2 x 3/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/4 x 1"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/4 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/4 x 3/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 1/4 x 3/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 x 1/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1 x 3/4"	LEAD FREE BRONZE REDUCING ELBOW

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Model Number	Description
LVBRRE 1 x 3/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1/2 x 1/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1/2 x 1/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 1/2 x 3/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 1/2 x 1 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 1/2 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 1/2 x 2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 x 1"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 x 1 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 x 1 1/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 2 x 3/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3 x 2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3 x 2 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3/4 x 1/2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3/4 x 1/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3/4 x 3/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3/8 x 1/4"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 3/8 x 1/8"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 4 x 2"	LEAD FREE BRONZE REDUCING ELBOW
LVBRRE 4 x 3"	LEAD FREE BRONZE REDUCING ELBOW

M.A.STEWART & SONS LTD.

MAS

Model Number	Description
W10-A-NX-FF-X-HW-X	2", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
W10-A-NX-FF-X-HW-X	2-1/2", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	3", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	4", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	5", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	6", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	8", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	10", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-FF-X-HW-X	12", C515 Gate Valve, Flanged Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	2", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	2-1/2", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	3", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	4", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	5", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	6", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	8", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	10", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GG-X-HW-X	12", C515 Gate Valve, Grooved Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	2", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	2-1/2", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	3", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	4", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	5", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	6", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	8", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	10", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MM-X-HW-X	12", C515 Gate Valve, MJ Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	2", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	2-1/2", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	3", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge

IAPMO RESEARCH AND TESTING, INC.

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LEAD FREE

File Number: 6047

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Model Number	Description
W10-A-NX-GF-X-HW-X	4", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	5", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	6", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	8", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	10", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-GF-X-HW-X	12", C515 Gate Valve, Grooved x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	2", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	2-1/2", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	3", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	4", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	5", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	6", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	8", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	10", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-NX-MF-X-HW-X	12", C515 Gate Valve, MJ x Fldg Ends, Non Rising stem, Left or Right Hand Open, Resilient Wedge
W10-A-RS-FF-X-HW-X	2", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	2-1/2", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	3", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	4", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	5", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	6", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	8", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	10", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-X-HW-X	12", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	2", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	2-1/2", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	3", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	4", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	5", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op

IAPMO RESEARCH AND TESTING, INC.

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Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

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Void After: May 2029

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Model Number	Description
W10-A-RS-GG-X-HW-X	6", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	8", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	10", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-X-HW-X	12", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	2", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	2-1/2", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	3", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	4", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	5", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	6", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	8", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	10", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MM-X-HW-X	12", C515 Gate Valve, MJ Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	2", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	2-1/2", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	3", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	4", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	5", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	6", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	8", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	10", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GF-X-HW-X	12", C515 Gate Valve, Grooved x Fldg Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	2", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	2-1/2", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	3", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	4", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	5", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	6", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	8", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

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Model Number	Description
W10-A-RS-MF-X-HW-X	10", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-MF-X-HW-X	12", C515 Gate Valve, MJ x Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	2", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	2-1/2", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	3", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	4", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	5", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	6", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	8", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	10", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-FF-B-HW	12", C515 Gate Valve, Flanged Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	2", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	2-1/2", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	3", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	4", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	5", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	6", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	8", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	10", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W10-A-RS-GG-B-HW	12", C515 Gate Valve, Grooved Ends, Rising Pre Grooved Stem, Resilient Wedge, Handwheel Op
W30-A-RD-FF-X	2", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	2-1/2", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	3", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	4", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	6", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	8", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	10", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W30-A-RD-FF-X	12", C508 / B16.10 C125 Swing Check Valve, DI Body, DI EPDM Disc/Brz Seat, 300 WOG, Flanged End Connection
W-30-A-XP-FF-F	2", Pump Disc Swing Check Valves

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Model Number	Description
W-30-A-XP-FF-F	2-1/2", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	3", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	4", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	5", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	6", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	8", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	10", Pump Disc Swing Check Valves
W-30-A-XP-FF-F	12", Pump Disc Swing Check Valves
W40-YX-FN	1/4", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	3/8", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	1/2", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	3/4", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	1", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	1-1/4", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	1-1/2", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	2", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	2-1/2", Threaded Y type Strainer c/w Galvanized Plug
W40-YX-FN	3", Threaded Y type Strainer c/w Galvanized Plug
W50-A-XX-WW-X-LL	1-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	2-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	3", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	4", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	5", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	6", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	8", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	10", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle

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Model Number	Description
W50-A-XX-WW-X-LL	12", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	14", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	16", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	18", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	20", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	24", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	28", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-LL	30", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated,lever Handle
W50-A-XX-WW-X-GO	1-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	2-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	3", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	4", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	5", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	6", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	8", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	10", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	12", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
W50-A-XX-WW-X-GO	14", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	16", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	18", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	20", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	24", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	28", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO	30", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-WW-X-GO-A	1-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	2-1/2", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	3", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	4", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	5", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	6", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	8", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	10", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	12", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	14", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	16", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	18", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch

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Model Number	Description
W50-A-XX-WW-X-GO-A	20", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	24", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	28", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-WW-X-GO-A	30", Wafer Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem,Gear Operator with Supervisory Switch
W50-A-XX-LL-X-LL	1-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	2-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	3", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	4", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	5", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	6", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	8", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	10", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	12", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	14", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	16", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	18", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	20", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	24", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	28", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-LL	30", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-LL-X-GO	1-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	2-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator

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Model Number	Description
W50-A-XX-LL-X-GO	3", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	4", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	5", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	6", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	8", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	10", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	12", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	14", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	16", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	18", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	20", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	24", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	28", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO	30", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-LL-X-GO-A	1-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	2-1/2", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	3", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	4", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	5", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	6", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	8", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch

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Model Number	Description
W50-A-XX-LL-X-GO-A	10", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	12", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	14", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	16", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	18", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	20", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	24", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	28", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-LL-X-GO-A	30", Lug Butterfly Valve, Ductile Iron Body, Ductile Iron - Epdm Coated Disc, SS Stem, Gear Operator with Supervisory Switch
W50-A-XX-FF-X-LL	1-1/2", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	2", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	2-1/2", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	3", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	4", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	5", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	6", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	8", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	10", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	12", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	14", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	16", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle

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Model Number	Description
W50-A-XX-FF-X-LL	18", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	20", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	24", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	28", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-LL	30", Full Flanged Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, lever Handle
W50-A-XX-FF-X-GO	1-1/2", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	2", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	2-1/2", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	3", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	4", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	5", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	6", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	8", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	10", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	12", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	14", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	16", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	18", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator

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Model Number	Description
W50-A-XX-FF-X-GO	20", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	24", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	28", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-FF-X-GO	30", Full Flange Butterfly Valve, Ductile Iron Body, Ductile Iron Nickle Plated Disc, SS Stem, Epdm Seat, Epoxy Coated, Gear Operator
W50-A-XX-GG-X-LL	1-1/2", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	2", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	2-1/2", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	3", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	4", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	5", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	6", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	8", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	10", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	12", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	14", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	16", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	18", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	20", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
W50-A-XX-GG-X-LL	24", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	28", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-LL	30", Butterfly Valve, Groove End - Ductile Iron Body, EPDM Coated - Ductile Iron Disc, Two Piece SS Stem,lever Handle (Actuator Ready)
W50-A-XX-GG-X-GO	1-1/2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	2-1/2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	3", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	4", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	5", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	6", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	8", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	10", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	12", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	14", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	16", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	18", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	20", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	24", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator

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Model Number	Description
W50-A-XX-GG-X-GO	28", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO	30", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, with Gear operator
W50-A-XX-GG-X-GO-A	1-1/2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	2-1/2", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	3", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	4", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	5", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	6", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	8", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	10", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	12", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	14", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	16", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	18", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	20", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	24", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W50-A-XX-GG-X-GO-A	28", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator

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Model Number	Description
W50-A-XX-GG-X-GO-A	30", Butterfly Valve, 300 PSI Groove End. Ductile Iron Body, NBR Coated - Ductile Iron Disc, Two Piece SS Stem, Complete with Gear operator
W30-A-RD-FF-X-X	2", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	2-1/2", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	3", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	4", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	5", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	6", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	8", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	10", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
W30-A-RD-FF-X-X	12", C508 /B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz Seat, Fldg End Connection
30-A-RD-FF-E-X	2", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	2-1/2", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	3", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	4", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	5", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	6", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	8", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	10", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	12", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	14" , C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
30-A-RD-FF-E-X	16", C508 / B16.10 CL125 Swing Check Valve, DI Body, EPDM Disc Seal / Brz. Seat, Fldg Ends, OS lever Weight
W40-A-YX-FF	1/2", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	3/4", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	1", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	1-1/4", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	1-1/2", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	2", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	2-1/2", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	3", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug

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Model Number	Description
W40-A-YX-FF	4", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	5", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	6", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	8", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	10", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	12", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	14", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	16", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	18", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	20", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W40-A-YX-FF	24", Strainer Y -Type, 304 Screen, Flanged End Connection C/w Galvanized Plug
W10-A-RS-FF-X-HW-X 14"	Gate Valve
W10-A-RS-FF-X-HW-X 16"	Gate Valve
W10-A-RS-FF-X-HW-X 18"	Gate Valve
W10-A-RS-FF-X-HW-X 20"	Gate Valve
W10-A-RS-FF-X-HW-X 24"	Gate Valve
W10-A-NX-MF-X-HW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-HW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Mechanical
W10-A-NX-MF-X-2P 4"	Gate Valve
W10-A-NX-MF-X-2P 6"	Gate Valve
W10-A-NX-MF-X-2P 8"	Gate Valve
W10-A-NX-MF-X-2P 10"	Gate Valve

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Model Number	Description
W10-A-NX-MF-X-2P 12"	Gate Valve
W10-A-NX-MM-X-HW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-A-NX-MM-X-HW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Mechanical Joint
W10-X-NX-FF-X-HW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 14"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 16"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 18"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 20"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-HW 24"	Gate Valve, Resilient Wedge, Non-rising Stem, Flanged Joint
W10-X-NX-FF-X-2N 14"	Gate Valve
W10-X-NX-FF-X-2N 16"	Gate Valve
W10-X-NX-FF-X-2N 18"	Gate Valve
W10-X-NX-FF-X-2N 20"	Gate Valve
W10-X-NX-FF-X-2N 24"	Gate Valve

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Model Number	Description
W10-A-NX-GF-X-HW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 5"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GF-X-HW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Flange x Groove
W10-A-NX-GG-X-HW 2"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 2 1/2"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 3"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 4"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 6"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 8"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 10"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-GG-X-HW 12"	Gate Valve, Resilient Wedge, Non-rising Stem, Groove Ended
W10-A-NX-SS-X-HW 2"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 2 1/2"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 3"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 4"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 5"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 6"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 8"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 10"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-HW 12"	Push On/Socket Gate Valve With Hand Wheel
W10-A-NX-SS-X-2N 2"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 2 1/2"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 3"	Push On/Socket Gate Valve With Stem Cap

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Model Number	Description
W10-A-NX-SS-X-2N 4"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 5"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 6"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 8"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 10"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SS-X-2N 12"	Push On/Socket Gate Valve With Stem Cap
W10-A-NX-SF-X-HW 2"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 2 1/2"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 3"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 4"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 5"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 6"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 8"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 10"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-HW 12"	Push On X Flange Gate Valve With Hand Wheel
W10-A-NX-SF-X-2N 2"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 2 1/2"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 3"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 4"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 5"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 6"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 8"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 10"	Push On X Flange Gate Valve With Stem Cap
W10-A-NX-SF-X-2N 12"	Push On X Flange Gate Valve With Stem Cap
W30-A-ED-WW-S 2"	Butterfly-type Check Valve
W30-A-ED-WW-S 2 1/2"	Butterfly-type Check Valve
W30-A-ED-WW-S 3"	Butterfly-type Check Valve
W30-A-ED-WW-S 4"	Butterfly-type Check Valve
W30-A-ED-WW-S 5"	Butterfly-type Check Valve

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

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Model Number	Description
W30-A-ED-WW-S 6"	Butterfly-type Check Valve
W30-A-ED-WW-S 8"	Butterfly-type Check Valve
W30-A-ED-WW-S 10"	Butterfly-type Check Valve
W30-A-ED-WW-S 12"	Butterfly-type Check Valve
W30-A-ED-WW-S 14"	Butterfly-type Check Valve
W30-A-ED-WW-S 16"	Butterfly-type Check Valve
W30-A-ED-WW-S 18"	Butterfly-type Check Valve
W30-A-XP-FF-F-X 2"	Swing Check Valve
W30-A-XP-FF-F-X 2 1/2"	Swing Check Valve
W30-A-XP-FF-F-X 3"	Swing Check Valve
W30-A-XP-FF-F-X 4"	Swing Check Valve
W30-A-XP-FF-F-X 5"	Swing Check Valve
W30-A-XP-FF-F-X 6"	Swing Check Valve
W30-A-XP-FF-F-X 8"	Swing Check Valve
W30-A-XP-FF-F-X 10"	Swing Check Valve
W30-A-XP-FF-F-X 12"	Swing Check Valve
W30-A-XP-FF-F-X 14"	Swing Check Valve
W30-A-XP-FF-F-X 16"	Swing Check Valve
W30-A-XP-FF-F-X 18"	Swing Check Valve
W30-A-XP-FF-F-X 20"	Swing Check Valve
W30-A-XP-FF-F-X 24"	Swing Check Valve
W30-A-XP-FF-F-X 28"	Swing Check Valve
W30-A-XP-FF-F-X 32"	Swing Check Valve
W30-A-RD-FF-X 5"	Swing Check Valve
W30-A-RD-GG-X 2"	Swing Check Valve
W30-A-RD-GG-X 2 1/2"	Swing Check Valve
W30-A-RD-GG-X 3"	Swing Check Valve
W30-A-RD-GG-X 4"	Swing Check Valve
W30-A-RD-GG-X 5"	Swing Check Valve

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Model Number	Description
W30-A-RD-GG-X 6"	Swing Check Valve
W30-A-RD-GG-X 8"	Swing Check Valve
W30-A-RD-GG-X 10"	Swing Check Valve
W30-A-RD-GG-X 12"	Swing Check Valve
W40-A-YX-FN 1/4"	Threaded Y-Type Strainer
W40-A-YX-FN 3/8"	Threaded Y-Type Strainer
W40-A-YX-FN 1/2"	Threaded Y-Type Strainer
W40-A-YX-FN 3/4"	Threaded Y-Type Strainer
W40-A-YX-FN 1"	Threaded Y-Type Strainer
W40-A-YX-FN 1 1/4"	Threaded Y-Type Strainer
W40-A-YX-FN 1 1/2"	Threaded Y-Type Strainer
W40-A-YX-FN 2"	Threaded Y-Type Strainer
W40-A-YX-FN 2 1/2"	Threaded Y-Type Strainer
W40-A-YX-FN 3"	Threaded Y-Type Strainer
W40-A-YX-GG 2"	Grooved Y Type Strainer
W40-A-YX-GG 2 1/2"	Grooved Y Type Strainer
W40-A-YX-GG 3"	Grooved Y Type Strainer
W40-A-YX-GG 4"	Grooved Y Type Strainer
W40-A-YX-GG 5"	Grooved Y Type Strainer
W40-A-YX-GG 6"	Grooved Y Type Strainer
W40-A-YX-GG 8"	Grooved Y Type Strainer
W40-A-YX-GG 10"	Grooved Y Type Strainer
W40-A-YX-GG 12"	Grooved Y Type Strainer
W50-A-XX-WW-S-GO-A 2"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 2 1/2"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 3"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 4"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 5"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 6"	Wafer Butterfly Valve, Gear Operated

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Model Number	Description
W50-A-XX-WW-S-GO-A 8"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 10"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 12"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 14"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 16"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 18"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 20"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 24"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 28"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-WW-S-GO-A 30"	Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 2"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 2 1/2"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 3"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 4"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 5"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 6"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 8"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 10"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 12"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 14"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 16"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 18"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 20"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 24"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 28"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-LL-S-GO 30"	Lugged Wafer Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 1 1/2"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 2"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 2 1/2"	Grooved Butterfly Valve, Gear Operated

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Model Number	Description
W50-A-XX-GG-S-GO 3"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 4"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 5"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 6"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 8"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 10"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 12"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 14"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 16"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 18"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 20"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 24"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 28"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-GO 30"	Grooved Butterfly Valve, Gear Operated
W50-A-XX-GG-S-LL 1 1/2"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 2"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 2 1/2"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 3"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 4"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 5"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 6"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 8"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 10"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 12"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 14"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 16"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 18"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 20"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 24"	Grooved Butterfly Valve, Lever Operated

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Model Number	Description
W50-A-XX-GG-S-LL 28"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-GG-S-LL 30"	Grooved Butterfly Valve, Lever Operated
W50-A-XX-WW-S-GO-A 1 1/2"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 2"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 2 1/2"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 3"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 4"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 5"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 6"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 8"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 10"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 12"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 14"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 16"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 18"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 20"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 24"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 28"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-WW-S-GO-A 30"	Wafer Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 1 1/2"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 2"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 2 1/2"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 3"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 4"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 5"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 6"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 8"	Lugged Riser Butterfly Valve with Tamper Switch

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Model Number	Description
W50-A-XX-LL-S-GO-A 10"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 12"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 14"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 16"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 18"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 20"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 24"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 28"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-LL-S-GO-A 30"	Lugged Riser Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 1 1/2"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 2"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 2 1/2"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 3"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 4"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 5"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 6"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 8"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 10"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 12"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 14"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 16"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 18"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 20"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 24"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 28"	Grooved Butterfly Valve with Tamper Switch
W50-A-XX-GG-S-GO-A 30"	Grooved Butterfly Valve with Tamper Switch

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Matco-Norca, Inc.

Model Number	Description
ZMGBU0100	1/4 x 1/8 Bushing
ZMGBU0201	3/8 x 1/4 Bushing
ZMGBU0300	1/2 x 1/8 Bushing
ZMGBU0301	1/2 x 1/4 Bushing
ZMGBU0302	1/2 x 3/8 Bushing
ZMGBU0400	3/4 x 1/8 Bushing
ZMGBU0401	3/4 x 1/4 Bushing
ZMGBU0402	3/4 x 3/8 Bushing
ZMGBU0403	3/4 x 1/2 Bushing
ZMGBU0500	1X1/8 Bushing
ZMGBU0501	1X1/4 Bushing
ZMGBU0502	1X3/8 Bushing
ZMGBU0503	1 x 1/2 Bushing
ZMGBU0504	1 x 3/4 Bushing
ZMGBU0601	1-1/4 x 1/4 Bushing
ZMGBU0602	1-1/4 x 3/8 Bushing
ZMGBU0603	1-1/4 x 1/2 Bushing
ZMGBU0604	1-1/4 x 3/4 Bushing
ZMGBU0605	1-1/4 x 1 Bushing
ZMGBU0701	1-1/2 x 1/4 Bushing
ZMGBU0702	1-1/2 x 3/8 Bushing
ZMGBU0703	1-1/2 x 1/2 Bushing
ZMGBU0704	1-1/2 x 3/4 Bushing
ZMGBU0705	1-1/2 x 1 Bushing
ZMGBU0706	1-1/2 x 1-1/4 Bushing
ZMGBU0801	2 x 1/4 Bushing
ZMGBU0802	2 x 3/8 Bushing

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Model Number	Description
ZMGBU0803	2 x 1/2 Bushing
ZMGBU0804	2 x 3/4 Bushing
ZMGBU0806	2 x 1-1/4 Bushing
ZMGBU0807	2 x 1-1/2 Bushing
ZMGBU0903	2-1/2 x 1/2 Bushing
ZMGBU0904	2-1/2 x 3/4 Bushing
ZMGBU0905	2-1/2 x 1 Bushing
ZMGBU0906	2-1/2 x 1-1/4 Bushing
ZMGBU0907	2-1/2 x 1-1/2 Bushing
ZMGBU0908	2-1/2 x 2 Bushing
ZMGBU1005	3 x 1 Bushing
ZMGBU1006	3 x 1-1/4 Bushing
ZMGBU1007	3 x 1-1/2 Bushing
ZMGBU1008	3 x 2 Bushing
ZMGBU1009	3 x 2-1/2 Bushing
ZMGBU1106	4 x 1-1/4 Bushing
ZMGBU1107	4 x 1-1/2 Bushing
ZMGBU1110	4 x 3 Bushing
ZMGCA00	1/8 End Cap
ZMGCA01	1/4 End Cap
ZMGCA02	3/8 End Cap
ZMGCA03	1/2 End Cap
ZMGCA04	3/4 End Cap
ZMGCA05	1 End Cap
ZMGCA06	1-1/4 End Cap
ZMGCA07	1-1/2 End Cap
ZMGCA08	2 End Cap
ZMGCA09	2-1/2 End Cap
ZMGCA10	3 End Cap

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Model Number	Description
ZMGCA11	4 End Cap
ZMGCA13	6 End Cap
ZMGCP00	1/8 Coupling
ZMGCP01	1/4 Coupling
ZMGCP02	3/8 Coupling
ZMGCP03	1/2 Coupling
ZMGCP04	3/4 Coupling
ZMGCP05	1 Coupling
ZMGCP06	1-1/4 Coupling
ZMGCP07	1-1/2 Coupling
ZMGCP08	2 Coupling
ZMGCP09	2-1/2 Coupling
ZMGCP10	3 Coupling
ZMGCP11	4 Coupling
ZMGCPR0100	1/4 x 1/8 Reducing Coupling
ZMGCPR0200	3/8 x 1/8 Reducing Coupling
ZMGCPR0201	3/8 x 1/4 Reducing Coupling
ZMGCPR0300	1/2 x 1/8 Reducing Coupling
ZMGCPR0301	1/2 x 1/4 Reducing Coupling
ZMGCPR0302	1/2 x 3/8 Reducing Coupling
ZMGCPR0401	3/4 x 1/4 Reducing Coupling
ZMGCPR0402	3/4 x 3/8 Reducing Coupling
ZMGCPR0403	3/4 x 1/2 Reducing Coupling
ZMGCPR0501	1 x 1/4 Reducing Coupling
ZMGCPR0502	1 x 3/8 Reducing Coupling
ZMGCPR0503	1 x 1/2 Reducing Coupling
ZMGCPR0504	1 x 3/4 Reducing Coupling
ZMGCPR0603	11/4x1/2 Reducing Coupling
ZMGCPR0604	11/4x3/4" Reducing Coupling

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Model Number	Description
ZMGCPR0605	11/4x1 Reducing Coupling
ZMGCPR0703	1-1/2 x 1/2 Reducing Coupling
ZMGCPR0704	1-1/2 x 3/4 Reducing Coupling
ZMGCPR0705	1-1/2 x 1 Reducing Coupling
ZMGCPR0706	1-1/2 x 1-1/4 Reducing Coupling
ZMGCPR0803	2 x 1/2 Reducing Coupling
ZMGCPR0804	2 x 3/4 Reducing Coupling
ZMGCPR0805	2 x 1 Reducing Coupling
ZMGCPR0806	2 x 1-1/4 Reducing Coupling
ZMGCPR0807	2 x 1-1/2 Reducing Coupling
ZMGCPR0907	2-1/2 x 1-1/2 Reducing Coupling
ZMGCPR0908	2-1/2 x 2 Reducing Coupling
ZMGCPR1007	3 x 1-1/2 Reducing Coupling
ZMGCPR1008	3 x 2 Reducing Coupling
ZMGCPR1009	3 x 2-1/2 Reducing Coupling
ZMGCPR1108	4 x 2 Reducing Coupling
ZMGCPR1110	4 x 3 Reducing Coupling
ZMGCR01	1/4 Equal Cross
ZMGCR02	3/8 Equal Cross
ZMGCR03	1/2 Equal Cross
ZMGCR04	3/4 Equal Cross
ZMGCR05	1 Equal Cross
ZMGCR06	1-1/4 Equal Cross
ZMGCR07	1-1/2 Equal Cross
ZMGCR08	2 Equal Cross
ZMGFF01	1/4 Flange
ZMGFF02	3/8 Flange
ZMGFF03	1/2 Flange
ZMGFF04	3/4 Flange

IAPMO RESEARCH AND TESTING, INC.

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Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
ZMGFF05	1 Flange
ZMGFF06	1-1/4 Flange
ZMGFF07	1-1/2 Flange
ZMGFF08	2 Flange
ZMGL4500	1/8 Elbow - 45
ZMGL4501	1/4 Elbow - 45
ZMGL4502	3/8 Elbow - 45
ZMGL4503	1/2 Elbow - 45
ZMGL4504	3/4 Elbow - 45
ZMGL4505	1 Elbow - 45
ZMGL4506	1-1/4 Elbow - 45
ZMGL4507	1-1/2 Elbow - 45
ZMGL4508	2 Elbow - 45
ZMGL4509	2-1/2 Elbow -45
ZMGL4510	3 Elbow - 45
ZMGL4511	4 Elbow - 45
ZMGL4513	6 Elbow - 45
ZMGL9000	1/8 Elbow - 90
ZMGL9001	1/4 Elbow - 90
ZMGL9002	3/8 Elbow - 90
ZMGL9003	1/2 Elbow - 90
ZMGL9004	3/4 Elbow - 90
ZMGL9005	1 Elbow - 90
ZMGL9006	1-1/4 Elbow - 90
ZMGL9007	1-1/2 Elbow - 90
ZMGL9008	2 Elbow - 90
ZMGL9009	2-1/2 Elbow - 90
ZMGL9010	3 Elbow - 90
ZMGL9011	4 Elbow - 90

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Model Number	Description
ZMGL9012	5 Elbow - 90
ZMGL9013	6 Elbow - 90
ZMGLR0100	1/4 x 1/8 Reducing Elbow - 90
ZMGLR0200	3/8 x 1/8 Reducing Elbow - 90
ZMGLR0201	3/8 x 1/4 Reducing Elbow - 90
ZMGLR0300	1/2 x 1/8 Reducing Elbow - 90
ZMGLR0301	1/2 x 1/4 Reducing Elbow - 90
ZMGLR0302	1/2 x 3/8 Reducing Elbow - 90
ZMGLR0400	3/4 x 1/8 Reducing Elbow - 90
ZMGLR0401	3/4 x 1/4 Reducing Elbow - 90
ZMGLR0402	3/4 x 3/8 Reducing Elbow - 90
ZMGLR0403	3/4 x 1/2 Reducing Elbow - 90
ZMGLR0503	1 x 1/2 Reducing Elbow - 90
ZMGLR0504	1 x 3/4 Reducing Elbow - 90
ZMGLR0603	1-1/4 x 1/2 Reducing Elbow - 90
ZMGLR0604	1-1/4 x 3/4 Reducing Elbow - 90
ZMGLR0605	1-1/4 x 1 Reducing Elbow - 90
ZMGLR0703	1-1/2 x 1/2 Reducing Elbow - 90
ZMGLR0704	1-1/2 x 3/4 Reducing Elbow - 90
ZMGLR0705	1-1/2 x 1 Reducing Elbow - 90
ZMGLR0706	1-1/2 x 1-1/4 Reducing Elbow - 90
ZMGLR0803	2 x 1/2 Reducing Elbow - 90
ZMGLR0804	2 x 3/4 Reducing Elbow - 90
ZMGLR0805	2 x 1 Reducing Elbow - 90
ZMGLR0806	2 x 1-1/4 Reducing Elbow - 90
ZMGLR0807	2 x 1-1/2 Reducing Elbow - 90
ZMGLR0906	2-1/2 x 1-1/4 Reducing Elbow - 90
ZMGLR0907	2-1/2 x 1-1/2 Reducing Elbow - 90
ZMGLR0908	2-1/2 x 2 Reducing Elbow - 90

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Model Number	Description
ZMGLR1008	3 x 2 Reducing Elbow - 90
ZMGLR1009	3 x 2-1/2 Reducing Elbow — 90
ZMGLSO02	3/8 Side Outlet Elbow
ZMGLSO03	1/2 Side Outlet Elbow
ZMGLSO04	3/4 Side Outlet Elbow
ZMGLST4500	1/8 Street Elbow - 45
ZMGLST4501	1/4 Street Elbow - 45
ZMGLST4502	3/8 Street Elbow - 45
ZMGLST4503	1/2 Street Elbow - 45
ZMGLST4504	3/4 Street Elbow - 45
ZMGLST4505	1 Street Elbow - 45
ZMGLST4506	1-1/4 Street Elbow - 45
ZMGLST4507	1-1/2 Street Elbow - 45
ZMGLST4508	2 Street Elbow - 45
ZMGLST4510	3 Street Elbow - 45
ZMGLST4511	4 Street Elbow - 45
ZMGLST9000	1/8 Street Elbow - 90
ZMGLST9001	1/4 Street Elbow - 90
ZMGLST9002	3/8 Street Elbow - 90
ZMGLST9003	1/2 Street Elbow - 90
ZMGLST9004	3/4 Street Elbow - 90
ZMGLST9005	1 Street Elbow - 90
ZMGLST9006	1-1/4 Street Elbow - 90
ZMGLST9007	1-1/2 Street Elbow - 90
ZMGLST9008	2 Street Elbow - 90
ZMGLST9009	2-1/2 Street Elbow - 90
ZMGLST9010	3 Street Elbow - 90
ZMGLST9011	4 Street Elbow - 90
ZMGPL00	1/8 Plug , Sq. Hd.

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Model Number	Description
ZMGPL01	1/4 Plug , Sq. Hd.
ZMGPL02	3/8 Plug , Sq. Hd.
ZMGPL03	1/2 Plug , Sq. Hd.
ZMGPL04	3/4 Plug , Sq. Hd.
ZMGPL05	1 Plug , Sq. Hd.
ZMGPL06	1-1/4 Plug , Sq. Hd.
ZMGPL07	1-1/2 Plug , Sq. Hd.
ZMGPL08	2 Plug , Sq. Hd.
ZMGPL09	2-1/2 Plug , Sq. Hd.
ZMGPL10	3 Plug , Sq. Hd.
ZMGPL11	4 Plug , Sq. Hd.
ZMGPL11B	4 Plug , Cross Slotted
ZMGPL12	5 Plug , Cross Slotted
ZMGPLSS05	1 Plug, Sq. Socket
ZMGPLSS06	1-1/4 Plug, Sq. Socket
ZMGPLSS07	1-1/2 Plug, Sq. Socket
ZMGPLSS08	2 Plug, Sq. Socket
ZMGST04	3/4 Service Tee
ZMGST05	1 Service Tee
ZMGT00	1/8 Equal Tee
ZMGT01	1/4 Equal Tee
ZMGT02	3/8 Equal Tee
ZMGT03	1/2 Equal Tee
ZMGT04	3/4 Equal Tee
ZMGT05	1 Equal Tee
ZMGT06	1-1/4 Equal Tee
ZMGT07	1-1/2 Equal Tee
ZMGT08	2 Equal Tee
ZMGT09	2-1/2 Equal Tee

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Model Number	Description
ZMGT10	3 Equal Tee
ZMGT11	4 Equal Tee
ZMGT13	6 Equal Tee
ZMGTR0301	1/2 x 1/2 x 1/4 Reducing Tee
ZMGTR0302	1/2 x 1/2 x 3/8 Reducing Tee
ZMGTR030304	1/2 x 1/2 x 3/4 Bullhead Tees
ZMGTR030305	1/2 x 1/2 x 1 Bullhead Tees
ZMGTR0401	3/4 x 3/4 x 1/4 Reducing Tee
ZMGTR0403	3/4 x 3/4 x 1/2 Reducing Tee
ZMGTR040303	3/4 x 1/2 x 1/2 Reducing Tee
ZMGTR040304	3/4 x 1/2 x 3/4 Reducing Tee
ZMGTR040405	3/4 x 3/4 x 1 Bullhead Tees
ZMGTR0501	1 x 1 x 1/4 Reducing Tee
ZMGTR0503	1 x 1 x 1/2 Reducing Tee
ZMGTR050303	1 x 1/2 x 1/2 Reducing Tee
ZMGTR050304	1 x 1/2 x 3/4 Reducing Tee
ZMGTR050305	1 x 1/2 x 1 Reducing Tee
ZMGTR0504	1 x 1 x 3/4 Reducing Tee
ZMGTR050403	1 x 3/4 x 1/2 Reducing Tee
ZMGTR050404	1 x 3/4 x 3/4 Reducing Tee
ZMGTR050405	1 x 3/4 x 1 Reducing Tee
ZMGTR050506	1 x 1 x 1-1/4 Bullhead Tees
ZMGTR050507	1 x 1 x 1-1/2 Bullhead Tees
ZMGTR0603	1-1/4 x 1-1/4 x 1/2 Reducing Tee
ZMGTR060304	1-1/4 x 1/2 x 3/4 Reducing Tee
ZMGTR060305	1-1/4 x 1/2 x 1 Reducing Tee
ZMGTR060306	1-1/4 x 1/2 x 1-1/4 Reducing Tee
ZMGTR0604	1-1/4 x 1-1/4 x 3/4 Reducing Tee
ZMGTR060404	1-1/4 x 3/4 x 3/4 Reducing Tee

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Model Number	Description
ZMGTR060405	1-1/4 x 3/4 x 1 Reducing Tee
ZMGTR060406	1-1/4 x 3/4 x 1-1/4 Reducing Tee
ZMGTR0605	1-1/4 x 1-1/4 x 1 Reducing Tee
ZMGTR060503	1-1/4 x 1 x 1/2 Reducing Tee
ZMGTR060504	1-1/4 x 1 x 3/4 Reducing Tee
ZMGTR060505	1-1/4 x 1 x 1 Reducing Tee
ZMGTR060506	1-1/4 x 1 x 1-1/4 Reducing Tee
ZMGTR060607	1-1/4 x 1-1/4 x 1-1/2 Bullhead Tees
ZMGTR0703	1-1/2 x 1-1/2 x 1/2 Reducing Tee
ZMGTR070307	1-1/2 x 1/2 x 1-1/2 Reducing Tee
ZMGTR0704	1-1/2 x 1-1/2 x 3/4 Reducing Tee
ZMGTR070404	1-1/2 x 3/4 x 3/4 Reducing Tee
ZMGTR070406	1-1/2 x 3/4 x 1-1/4 Reducing Tee
ZMGTR070407	1-1/2 x 3/4 x 1-1/2 Reducing Tee
ZMGTR0705	1-1/2 x 1-1/2 x 1 Reducing Tee
ZMGTR070504	1-1/2 x 1 x 3/4 Reducing Tee
ZMGTR070505	1-1/2 x 1 x 1 Reducing Tee
ZMGTR070506	1-1/2 x 1 x 1-1/4 Reducing Tee
ZMGTR070507	1-1/2 x 1 x 1-1/2 Reducing Tee
ZMGTR0706	1-1/2 x 1-1/2 x 1-1/4 Reducing Tee
ZMGTR070603	1-1/2 x 1-1/4 x 1/2 Reducing Tee
ZMGTR070604	1-1/2 x 1-1/4 x 3/4 Reducing Tee
ZMGTR070605	1-1/2 x 1-1/4 x 1 Reducing Tee
ZMGTR070606	1-1/2 x 1-1/4 x 1-1/4 Reducing Tee
ZMGTR070607	1-1/2 x 1-1/4 x 1-1/2 Reducing Tee
ZMGTR0803	2 x 2 x 1/2 Reducing Tee
ZMGTR080308	2 x 1/2 x 2 Reducing Tee
ZMGTR0804	2 x 2 x 3/4 Reducing Tee
ZMGTR080408	2 x 3/4 x 2 Reducing Tee

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Model Number	Description
ZMGTR0805	2 x 2 x 1 Reducing Tee
ZMGTR080505	2 x 1 x 1 Reducing Tee
ZMGTR080508	2 x 1 x 2 Reducing Tee
ZMGTR0806	2 x 2 x 1-1/4 Reducing Tee
ZMGTR080606	2 x 1-1/4 x 1-1/4 Reducing Tee
ZMGTR080607	2 x 1-1/4 x 1-1/2 Reducing Tee
ZMGTR080608	2 x 1-1/4 x 2 Reducing Tee
ZMGTR0807	2 x 2 x 1-1/2 Reducing Tee
ZMGTR080705	2 x 1-1/2 x 1 Reducing Tee
ZMGTR080706	2 x 1-1/2 x 1-1/4 Reducing Tee
ZMGTR080707	2 x 1-1/2 x 1-1/2 Reducing Tee
ZMGTR080708	2 x 1-1/2 x 2 Reducing Tee
ZMGTR0903	2-1/2 x 2-1/2 x 1/2 Reducing Tee
ZMGTR0904	2-1/2 x 2-1/2 x 3/4 Reducing Tee
ZMGTR0905	2-1/2 x 2-1/2 x 1 Reducing Tee
ZMGTR0906	2-1/2 x 2-1/2 x 1-1/4 Reducing Tee
ZMGTR0907	2-1/2 x 2-1/2 x 1-1/2 Reducing Tee
ZMGTR0908	2-1/2 x 2-1/2 x 2 Reducing Tee
ZMGTR1005	3 x 3 x 1 Reducing Tee
ZMGTR1006	3 x 3 x 1-1/4 Reducing Tee
ZMGTR1007	3 x 3 x 1-1/2 Reducing Tee
ZMGTR1008	3 x 3 x 2 Reducing Tee
ZMGTR1009	3 x 3 x 2-1/2 Reducing Tee
ZMGTR1108	4 x 4 x 2 Reducing Tee
ZMGTR1110	4 x 4 x 3 Reducing Tee
ZMGUN00	1/8 Unions
ZMGUN01	1/4 Unions
ZMGUN02	3/8 Unions
ZMGUN03	1/2 Unions

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Model Number	Description
ZMGUN04	3/4 Unions
ZMGUN05	1 Unions
ZMGUN06	1-1/4 Unions
ZMGUN07	1-1/2 Unions
ZMGUN08	2 Unions
ZMGUN09	2-1/2 Unions
ZMGUN10	3 Unions
ZMGUN11	4 Unions
ZMGX03	1/2 Extension Piece
ZMGX04	3/4 Extension Piece
ZMGX05	1 Extension Piece

Model Number	Description
120W10	3" FLANGED DI SWING CHECK VALVE
120W11	4" FLANGED DI SWING CHECK VALVE
120W12	5" FLANGED DI SWING CHECK VALVE
120W13	6" FLANGED DI SWING CHECK VALVE
120W14	8" FLANGED DI SWING CHECK VALVE
120W15	10" FLANGED DI SWING CHECK VALVE
120W16	12" FLANGED DI SWING CHECK VALVE
120W17	14" FLANGED DI SWING CHECK VALVE
120W18	16" FLANGED DI SWING CHECK VALVE
120W8	2" FLANGED DI SWING CHECK VALVE
120W9	2-1/2" FLANGED DI SWING CHECK VALVE
120WC10	3" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC11	4" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC12	5" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC13	6" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC14	8" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT

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Model Number	Description
120WC15	10" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC16	12" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC17	14" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC18	16" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC8	2" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT
120WC9	2-1/2" FLANGED DI SWING CHECK VALVE OUTSIDE LEVER&WEIGHT

BRONZE FITTINGS

Model Number	Description
B-L4502LF	BRONZE 45 ELBOW 3/8"
B-L4511LF	BRONZE 45 ELBOW 4"
B-L4503LF	BRONZE 45 ELBOW 1/2"
B-L4504LF	BRONZE 45 ELBOW 3/4"
B-L4505LF	BRONZE 45 ELBOW 1"
B-L4506LF	BRONZE 45 ELBOW 1-1/4"
B-L4507LF	BRONZE 45 ELBOW 1-1/2"
B-L4508LF	BRONZE 45 ELBOW 2"
B-L4500LF	BRONZE 45 ELBOW 1/8"
B-L4509LF	BRONZE 45 ELBOW 2-1/2"
B-L4501LF	BRONZE 45 ELBOW 1/4"
B-L4510LF	BRONZE 45 ELBOW 3"
B-ST4502LF	BRONZE 45 STR. ELBOW 3/8"
B-ST4503LF	BRONZE 45 STR. ELBOW 1/2"
B-ST4504LF	BRONZE 45 STR. ELBOW 3/4"
B-ST4505LF	BRONZE 45 STR. ELBOW 1"
B-ST4506LF	BRONZE 45 STR. ELBOW 1-1/4"
B-ST4507LF	BRONZE 45 STR. ELBOW 1-1/2"
B-ST4508LF	BRONZE 45 STR. ELBOW 2"
B-ST4500LF	BRONZE 45 STR. ELBOW 1/8"

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Model Number	Description
B-ST4501LF	BRONZE 45 STR. ELBOW 1/4"
B-ST4510LF	BRONZE 45 STR. ELBOW 3"
B-T02LF	BRONZE TEE 3/8"
B-T11LF	BRONZE TEE 4"
B-T03LF	BRONZE TEES 1/2"
B-T04LF	BRONZE TEES 3/4"
B-T05LF	BRONZE TEES 1"
B-T06LF	BRONZE TEES 1-1/4"
B-T07LF	BRONZE TEES 1-1/2"
B-T08LF	BRONZE TEES 2"
B-T00LF	BRONZE TEES 1/8"
B-T09LF	BRONZE TEES 2-1/2"
B-T01LF	BRONZE TEES 1/4"
B-T10LF	BRONZE TEES 3"
B-RT1108LF	BRONZE RED. TEES 4 X 2"
B-RT1110LF	BRONZE RED. TEES 4 X 3"
B-RT0200LF	BRONZE RED. TEES 3/8 X 1/8"
B-RT0201LF	BRONZE RED. TEES 3/8 X 1/4"
B-RT0302LF	BRONZE RED. TEES 1/2 X 1/2 X 3/8"
B-RT030304LF	BRONZE RED. TEES 1/2 X 1/2 X 3/4"
B-RT0301LF	BRONZE RED. TEES 1/2 X 1/4"
B-RT030103LF	BRONZE RED. TEES 1/2 X 1/4 X 1/2"
B-RT0402LF	BRONZE RED. TEES 3/4 X 3/8"
B-RT0403LF	BRONZE RED. TEES 3/4 X 1/2"
B-RT040303LF	BRONZE RED. TEES 3/4 X 1/2 X 1/2"
B-RT040304LF	BRONZE RED. TEES 3/4 X 1/2 X 3/4"
B-RT040405LF	BRONZE RED. TEES 3/4 X 3/4 X 1"
B-RT0401LF	BRONZE RED. TEES 3/4 X 1/4"
B-RT0502LF	BRONZE RED. TEES 1 X 3/8"

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Model Number	Description
B-RT0503LF	BRONZE RED. TEES 1 X 1/2"
B-RT050303LF	BRONZE RED. TEES 1 X 1/2 X 1/2"
B-RT050304LF	BRONZE RED. TEES 1 X 1/2 X 3/4"
B-RT050305LF	BRONZE RED. TEES 1 X 1/2 X 1"
B-RT0504LF	BRONZE RED. TEES 1 X 3/4"
B-RT050403LF	BRONZE RED. TEES 1 X 3/4 X 1/2"
B-RT050404LF	BRONZE RED. TEES 1 X 3/4 X 3 /4"
B-RT050405LF	BRONZE RED. TEES 1 X 3/4 X 1"
B-RT050506LF	BRONZE RED. TEES 1 X 1 X 1-1/4"
B-RT0501LF	BRONZE RED. TEES 1 X 1/4"
B-RT0602LF	BRONZE RED. TEES 1-1/4 X 3/8"
B-RT0603LF	BRONZE RED. TEES 1-1/4 X 1/2"
B-RT060306LF	BRONZE RED. TEES 1-1/4 X 1/2 X 1-1/4"
B-RT0604LF	BRONZE RED. TEES 1-1/4 X 3/4"
B-RT060406LF	BRONZE RED. TEES 1-1/4 X 3/4 X 1-1/4"
B-RT0605LF	BRONZE RED. TEES 1-1/4 X 1"
B-RT060506LF	BRONZE RED. TEES 1-1/4 X 1 X 1-1/4"
B-RT0702LF	BRONZE RED. TEES 1-1/2 X 3/8"
B-RT0703LF	BRONZE RED. TEES 1-1/2 X 1/2"
B-RT070307LF	BRONZE RED. TEES 1-1/2 X 1/2 X 1-1/2"
B-RT0704LF	BRONZE RED. TEES 1-1/2 X 3/4"
B-RT0705LF	BRONZE RED. TEES 1-1/2 X 1"
B-RT0706LF	BRONZE RED. TEES 1-1/2 X 1-1/4"
B-RT070606LF	BRONZE RED. TEES 1-1/2 X 1-1/4 X 1-1/4"
B-RT0802LF	BRONZE RED. TEES 2 X 3/8"
B-RT0803LF	BRONZE RED. TEES 2 X 1/2"
B-RT080308LF	BRONZE RED. TEES 2 X 1/2 X 2"
B-RT0804LF	BRONZE RED. TEES 2 X 3/4"
B-RT0805LF	BRONZE RED. TEES 2 X 1"

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Model Number	Description
B-RT0806LF	BRONZE RED. TEES 2 X 1-1/4"
B-RT0807LF	BRONZE RED. TEES 2 X 1-1/2"
B-RT0906LF	BRONZE RED. TEES 2-1/2 X 1-1/4"
B-RT0907LF	BRONZE RED. TEES 2-1/2 X 1-1/2"
B-RT0908LF	BRONZE RED. TEES 2-1/2 X 2"
B-RT1005LF	BRONZE RED. TEES 3 X 1"
B-RT1008LF	BRONZE RED. TEES 3 X 2"
B-RT1009LF	BRONZE RED. TEES 3 X 2-1/2"
B-CR02LF	BRONZE CROSSES 3/8"
B-CR03LF	BRONZE CROSSES 1/2"
B-CR04LF	BRONZE CROSSES 3/4"
B-CR05LF	BRONZE CROSSES 1"
B-CR06LF	BRONZE CROSSES 1-1/4"
B-CR07LF	BRONZE CROSSES 1-1/2"
B-CR08LF	BRONZE CROSSES 2"
B-CR00LF	BRONZE CROSSES 1/8"
B-CR01LF	BRONZE CROSSES 1/4"
B-CP02LF	BRONZE COUPLINGS 3/8"
B-CP00LF	BRONZE COUPLINGS 1/8"
B-CP03LF	BRONZE COUPLINGS 1/2"
B-CP04LF	BRONZE COUPLINGS 3/4"
B-CP05LF	BRONZE COUPLINGS 1"
B-CP06LF	BRONZE COUPLINGS 1-1/4"
B-CP07LF	BRONZE COUPLINGS 1-1/2"
B-CP08LF	BRONZE COUPLINGS 2"
B-CP09LF	BRONZE COUPLINGS 2-1/2"
B-CP01LF	BRONZE COUPLINGS 1/4"
B-CP10LF	BRONZE COUPLINGS 3"
B-RC1108LF	BRONZE RED. COUPLINGS 4 X 2"

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Model Number	Description
B-RC1110LF	BRONZE RED. COUPLINGS 4 X 3"
B-RC0200LF	BRONZE RED. COUPLING 3/8 X 1/8"
B-RC0201LF	BRONZE RED. COUPLING 3/8 X 1/4"
B-RC0302LF	BRONZE RED. COUPLING 1/2 X 3/8"
B-RC0300LF	BRONZE RED. COUPLING 1/2 X 1/8"
B-RC0301LF	BRONZE RED. COUPLING 1/2 X 1/4"
B-RC0402LF	BRONZE RED. COUPLING 3/4 X 3/8"
B-RC0403LF	BRONZE RED. COUPLING 3/4 X 1/2"
B-RC0401LF	BRONZE RED. COUPLINGS 3/4 X 1/4"
B-RC0502LF	BRONZE RED. COUPLINGS 1 X 3/8"
B-RC0503LF	BRONZE RED. COUPLINGS 1 X 1/2"
B-RC0504LF	BRONZE REDUCING COUPLINGS 1 X 3/4"
B-RC0603LF	BRONZE RED. COUPLINGS 1-1/4 X 1/2"
B-RC0604LF	BRONZE RED. COUPLINGS 1-1/4 X 3/4"
B-RC0605LF	BRONZE RED. COUPLINGS 1-1/4 X 1"
B-RC0703LF	BRONZE RED. COUPLINGS 1-1/2 X 1/2"
B-RC0704LF	BRONZE RED. COUPLINGS 1-1/2 X 3/4"
B-RC0705LF	BRONZE RED. COUPLINGS 1-1/2 X 1"
B-RC0706LF	BRONZE RED. COUPLINGS 1-1/2 X 1-1/4"
B-RC0803LF	BRONZE RED. COUPLINGS 2 X 1/2"
B-RC0804LF	BRONZE RED. COUPLINGS 2 X 3/4"
B-RC0805LF	BRONZE RED. COUPLINGS 2 X 1"
B-RC0806LF	BRONZE RED. COUPLINGS 2 X 1-1/4"
B-RC0807LF	BRONZE RED. COUPLINGS 2 X 1-1/2"
B-RC0905LF	BRONZE RED. COUPLINGS 2-1/2 X 1"
B-RC0906LF	BRONZE RED. COUPLINGS 2-1/2 X 1-1/4"
B-RC0907LF	BRONZE RED. COUPLINGS 2-1/2 X 1-1/2"
B-RC0908LF	BRONZE RED. COUPLINGS 2-1/2 X 2"
B-RC1008LF	BRONZE RED. COUPLINGS 3 X 2"

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Model Number	Description
B-RC1009LF	BRONZE RED. COUPLINGS 3 X 2-1/2"
B-RC0100LF	BRONZE RED. COUPLINGS 1/4 X 1/8"
B-BU1110LF	BRONZE BUSHINGS 4 X 3"
B-BU0200LF	BRONZE BUSHINGS 3/8 X 1/8"
B-BU0201LF	BRONZE BUSHINGS 3/8 X 1/4"
B-BU0302LF	BRONZE HEX.BUSHINGS 1/2 X 3/8"
B-BU0300LF	BRONZE BUSHINGS 1/2 X 1/8"
B-BU0301LF	BRONZE BUSHINGS 1/2 X 1/4"
B-BU0402LF	BRONZE BUSHINGS 3/4 X 3/8"
B-BU0403LF	BRONZE BUSHINGS 3/4 X 1/2"
B-BU0400LF	BRONZE BUSHINGS 3/4 X 1/8"
B-BU0401LF	BRONZE BUSHINGS 3/4 X 1/4"
B-BU0503LF	BRONZE BUSHINGS 1 X 1/2"
B-BU0504LF	BRONZE HEX.BUSHING 1 X 3/4"
B-BU0604LF	BRONZE BUSHINGS 1-1/4 X 3/4"
B-BU0605LF	BRONZE BUSHINGS 1-1/4 X 1"
B-BU0705LF	BRONZE BUSHINGS 1-1/2 X 1"
B-BU0706LF	BRONZE BUSHINGS 1-1/2 X 1-1/4"
B-BU0806LF	BRONZE BUSHINGS 2 X 1-1/4"
B-BU0807LF	BRONZE BUSHINGS 2 X 1-1/2"
B-BU0908LF	BRONZE BUSHINGS 2-1/2 X 2"
B-BU1009LF	BRONZE BUSHINGS 3 X 2-1/2"
B-BU0100LF	BRONZE BUSHINGS 1/4 X 1/8"
B-BU1108LF	BRONZE BUSHINGS 4 X 2"
B-BU1109LF	BRONZE BUSHINGS 4 X 2-1/2"
B-BU0502LF	BRONZE BUSHINGS 1 X 3/8"
B-BU0501LF	BRONZE BUSHINGS 1 X 1/4"
B-BU0603LF	BRONZE BUSHINGS 1-1/4 X 1/2"
B-BU0702LF	BRONZE BUSHINGS 1-1/2 X 3/8"

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Model Number	Description
B-BU0703LF	BRONZE BUSHINGS 1-1/2 X 1/2"
B-BU0704LF	BRONZE BUSHINGS 1-1/2 X 3/4"
B-BU0701LF	BRONZE BUSHINGS 1-1/2 X 1/4"
B-BU0803LF	BRONZE BUSHINGS 2 X 1/2"
B-BU0804LF	BRONZE BUSHINGS 2 X 3/4"
B-BU0805LF	BRONZE BUSHINGS 2 X 1"
B-BU0905LF	BRONZE BUSHINGS 2-1/2 X 1"
B-BU0906LF	BRONZE BUSHINGS 2-1/2 X 1-1/4"
B-BU0907LF	BRONZE BUSHINGS 2-1/2 X 1-1/2"
B-BU1007LF	BRONZE BUSHINGS 3 X 1-1/2"
B-BU1008LF	BRONZE BUSHINGS 3 x 2"
B-PL02LF	BRONZE PLUGS CORED 3/8"
B-PL11LF	BRONZE PLUGS CORED 4"
B-PL03LF	BRONZE PLUGS CORED 1/2"
B-PL04LF	BRONZE PLUGS CORED 3/4"
B-PL05LF	BRONZE PLUGS CORED 1"
B-PL06LF	BRONZE PLUGS CORED 11/4"
B-PL07LF	BRONZE PLUGS CORED 11/2"
B-PL08LF	BRONZE PLUGS CORED 2"
B-PL00LF	BRONZE PLUGS CORED 1/8"
B-PL09LF	BRONZE PLUGS CORED 21/2"
B-PL01LF	BRONZE PLUGS CORED 1/4"
B-PL10LF	BRONZE PLUGS CORED 3"
B-CSP11LF	BRONZE PLUGS CS 4"
B-CSP03LF	BRONZE PLUGS CS 1/2"
B-CSP04LF	BRONZE PLUGS CS 3/4"
B-CSP05LF	BRONZE PLUGS CS 1"
B-CSP06LF	BRONZE PLUGS CS 11/4"
B-CSP07LF	BRONZE PLUGS CS 11/2"

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Model Number	Description
B-CSP08LF	BRONZE PLUGS CS 2"
B-CSP09LF	BRONZE PLUGS CS 21/2"
B-CSP10LF	BRONZE PLUGS CS 3"
B-PLS02LF	BRONZE PLUGS SOLID 3/8"
B-PLS11LF	BRONZE PLUGS SOLID 4"
B-PLS03LF	BRONZE PLUGS SOLID 1/2"
B-PLS04LF	BRONZE PLUGS SOLID 3/4"
B-PLS05LF	BRONZE PLUGS SOLID 1"
B-PLS06LF	BRONZE PLUGS SOLID 11/4"
B-PLS07LF	BRONZE PLUGS SOLID 11/2"
B-PLS08LF	BRONZE PLUGS SOLID 2"
B-PLS00LF	BRONZE PLUGS SOLID 1/8"
B-PLS09LF	BRONZE PLUGS SOLID 21/2"
B-PLS01LF	BRONZE PLUGS SOLID 1/4"
B-PLS10LF	BRONZE PLUGS SOLID 3"
B-CA02LF	BRONZE CAPS 3/8"
B-CA11LF	BRONZE CAPS 4"
B-CA03LF	BRONZE CAPS 1/2"
B-CA04LF	BRONZE CAPS 3/4"
B-CA05LF	BRONZE CAPS 1"
B-CA06LF	BRONZE CAPS 11/4"
B-CA07LF	BRONZE CAPS 11/2"
B-CA08LF	BRONZE CAPS 2"
B-CA00LF	BRONZE CAPS 1/8"
B-CA09LF	BRONZE CAPS 21/2"
B-CA01LF	BRONZE CAPS 1/4"
B-CA10LF	BRONZE CAPS 3"
B-LN02LF	BRONZE LOCKNUTS 3/8"
B-LN03LF	BRONZE LOCKNUTS 1/2"

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Model Number	Description
B-LN04LF	BRONZE LOCKNUTS 3/4"
B-LN05LF	BRONZE LOCKNUTS 1"
B-LN06LF	BRONZE LOCKNUTS 11/4"
B-LN07LF	BRONZE LOCKNUTS 11/2"
B-LN08LF	BRONZE LOCKNUTS 2"
B-LN00LF	BRONZE LOCKNUTS 1/8"
B-LN09LF	BRONZE LOCKNUTS 21/2"
B-LN01LF	BRONZE LOCKNUTS 1/4"
B-UN02LF	BRONZE UNIONS 3/8"
B-UN11LF	BRONZE UNIONS 4"
B-UN03LF	BRONZE UNIONS 1/2"
B-UN04LF	BRONZE UNIONS 3/4"
B-UN05LF	BRONZE UNIONS 1"
B-UN06LF	BRONZE UNIONS 11/4"
B-UN07LF	BRONZE UNIONS 11/2"
B-UN08LF	BRONZE UNIONS 2"
B-UN00LF	BRONZE UNIONS 1/8"
B-UN09LF	BRONZE UNIONS 21/2"
B-UN01LF	BRONZE UNIONS 1/4"
B-UN10LF	BRONZE UNIONS 3"
B-X03LF	BRONZE EXTENSION PIECES 1/2"
B-X04LF	BRONZE EXTENSION PIECES 3/4"
B-X05LF	BRONZE EXTENSION PIECES 1"
B-L9002LF	BRONZE ELBOW 90 3/8"
B-L9011LF	BRONZE ELBOW 90 4"
B-L9003LF	BRONZE ELBOWS 90 1/2"
B-L9004LF	BRONZE ELBOWS 90 3/4"
B-L9005LF	BRONZE ELBOW 90 1"
B-L9006LF	BRONZE ELBOW 90 11/4"

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Model Number	Description
B-L9007LF	BRONZE ELBOW 90 11/2"
B-L9008LF	BRONZE ELBOW 90 2"
B-L9000LF	BRONZE ELBOW 90 1/8"
B-L9009LF	BRONZE ELBOW 90 21/2"
B-L9001LF	BRONZE ELBOW 90 1/4"
B-L9010LF	BRONZE ELBOW 90 3"
B-RL1108LF	BRONZE RED. ELBOW 4X2"
B-RL1110LF	BRONZE RED. ELBOW 4X3"
B-RL0201LF	BRONZE RED. ELBOW 3/8X1/4"
B-RL0302LF	BRONZE RED. ELBOW 1/2X3/8"
B-RL0300LF	BRONZE RED. ELBOW 1/2X1/8"
B-RL0301LF	BRONZE RED. ELBOW 1/2X1/4"
B-RL0402LF	BRONZE RED. ELBOW 3/4X3/8"
B-RL0403LF	BRONZE RED. ELBOW 3/4X1/2"
B-RL0400LF	BRONZE RED. ELBOW 3/4X1/8"
B-RL0502LF	BRONZE RED. ELBOW 1X3/8"
B-RL0503LF	BRONZE RED. ELBOW 1X1/2"
B-RL0504LF	BRONZE RED. ELBOW 1X3/4"
B-RL0501LF	BRONZE RED. ELBOW 1X1/4"
B-RL0602LF	BRONZE RED. ELBOW 11/4X3/8"
B-RL0603LF	BRONZE RED. ELBOW 11/4X1/2"
B-RL0604LF	BRONZE RED. ELBOW 11/4X3/4"
B-RL0605LF	BRONZE RED. ELBOW 11/4X1"
B-RL0703LF	BRONZE RED. ELBOW 11/2X1/2"
B-RL0704LF	BRONZE RED. ELBOW 11/2X3/4"
B-RL0705LF	BRONZE RED. ELBOW 11/2X1"
B-RL0706LF	BRONZE RED. ELBOW 11/2X11/4"
B-RL0803LF	BRONZE RED. ELBOW 2X1/2"
B-RL0804LF	BRONZE RED. ELBOW 2X3/4"

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Model Number	Description
B-RL0805LF	BRONZE RED. ELBOW 2X1"
B-RL0806LF	BRONZE RED. ELBOW 2X11/4"
B-RL0807LF	BRONZE RED. ELBOW 2X11/2"
B-RL0903LF	BRONZE RED. ELBOW 21/2X1/2"
B-RL0907LF	BRONZE RED. ELBOW 21/2X11/2"
B-RL0908LF	BRONZE RED. ELBOW 21/2X2"
B-RL1008LF	BRONZE RED. ELBOW 3X2"
B-RL1009LF	BRONZE RED. ELBOW 3X21/2"
B-ST9002LF	BRONZE STR. ELBOW 90 3/8"
B-ST9011LF	BRONZE STR. ELBOW 90 4"
B-ST9003LF	BRONZE STR. ELBOW 90 1/2"
B-ST9004LF	BRONZE STREET ELBOWS 90 3/4"
B-ST9005LF	BRONZE STR. ELBOW 90 1"
B-ST9006LF	BRONZE STR. ELBOW 90 11/4"
B-ST9007LF	BRONZE STR. ELBOW 90 11/2"
B-ST9008LF	BRONZE STR. ELBOW 90 2"
B-ST9000LF	BRONZE STR. ELBOW 90 1/8"
B-ST9009LF	BRONZE STR. ELBOW 90 21/2"
B-ST9001LF	BRONZE STR. ELBOW 90 1/4'
B-ST9010LF	BRONZE STR. ELBOW 90 3"

Hot-Dipped Galvanized Steel Pipe Nipples

Model Number	Description
ZNG00****	Dia 1/8", Length Close to 144"
ZNG01****	Dia 1/4", Length Close to 144"
ZNG02****	Dia 3/8", Length Close to 144"
ZNG03****	Dia 1/2", Length Close to 144"
ZNG04****	Dia 3/4", Length Close to 144"
ZNG05****	Dia 1", Length Close to 144"

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Model Number	Description
ZNG06****	Dia 1-1/4", Length Close to 144"
ZNG07****	Dia 1-1/2", Length Close to 144"
ZNG08****	Dia 2", Length Close to 144"
ZNG09****	Dia 2-1/2", Length Close to 144"
ZNG10****	Dia 3", Length Close to 144"
ZNG11****	Dia 4", Length Close to 144"
ZNG12****	Dia 5", Length Close to 144"
ZNG13****	Dia 6", Length Close to 144"
***	**represents the length**
	from Close to 144"

Brass Pipe Nipples

Model Number	Description
NBR00****	Dia 1/8", Length Close to 144"
NBR01****	Dia 1/4", Length Close to 144"
NBR02****	Dia 3/8", Length Close to 144"
NBR03****	Dia 1/2", Length Close to 144"
NBR04****	Dia 3/4", Length Close to 144"
NBR05****	Dia 1", Length Close to 144"
NBR06****	Dia 1-1/4", Length Close to 144"
NBR07****	Dia 1-1/2", Length Close to 144"
NBR08****	Dia 2", Length Close to 144"
NBR09****	Dia 2-1/2", Length Close to 144"
NBR10****	Dia 3", Length Close to 144"
NBR11****	Dia 4", Length Close to 144"
NBR13****	Dia 6", Length Close to 144"
***	**represents the length**
	from Close to 144"

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MUELLER/B & K INDUSTRIES, INC.

Model Number	Description
511-920	3/8 x 1/8 Bushing
511-921	3/8 x 1/4 Bushing
511-910	1/4 x 1/8 Bushing
511-931	1/2 x 1/4 Bushing
511-932	1/2 x 3/8 Bushing
511-930	1/2 x 1/8 Bushing
511-942	3/4 x 3/8 Bushing
511-943	3/4 x 1/2 Bushing
511-940	3/4 x 1/8 Bushing
511-941	3/4 x 1/4 Bushing
511-953	1 x 1/2 Bushing
511-954	1 x 3/4 Bushing
511-964	1-1/4 x 3/4 Bushing
511-965	1-1/4 x 1 Bushing
511-975	1-1/2 x 1 Bushing
511-976	1-1/2 x 1-1/4 Bushing
511-986	2 x 1-1/4 Bushing
511-987	2 x 1-1/2 Bushing
511-997	2-1/2 x 1-1/2 Bushing
511-998	2-1/2 x 2 Bushing
511-908	3 x 2 Bushing
511-909	3 x 2-1/2 Bushing
511-900	4 x 3 Bushing
511-974	1-1/2 x 3/4 Bushing
511-984	2 x 3/4 Bushing

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Model Number	Description
511-985	2 x 1 Bushing
511-994	2-1/2 x 3/4 Bushing
511-995	2-1/2 x 1 Bushing
511-996	2-1/2 x 1-1/4 Bushing
511-904	3 x 3/4 Bushing
511-905	3 x 1 Bushing
511-906	3 x 1-1/4 Bushing
511-907	3 x 1-1/2 Bushing
511-916	4 x 1-1/4 Bushing
511-917	4 x 1-1/2 Bushing
511-952	1X3/8 Bushing
511-951	1X1/4 Bushing
511-962	1-1/4 x 3/8 Bushing
511-961	1-1/4 x 1/4 Bushing
511-963	1-1/4 x 1/2 Bushing
511-971	1-1/2 x 1/4 Bushing
511-972	1-1/2 x 3/8 Bushing
511-973	1-1/2 x 1/2 Bushing
511-982	2 x 3/8 Bushing
511-983	2 x 1/2 Bushing
511-993	2-1/2 x 1/2 Bushing
511-903	3 x 1/2 Bushing
511-800	1/8 Plug, Sq. Hd.
511-801	1/4 Plug, Sq. Hd.
511-802	3/8 Plug, Sq. Hd.
511-803	1/2 Plug, Sq. Hd.
511-804	3/4 Plug, Sq. Hd.
511-805	1 Plug, Sq. Hd.
511-806	1-1/4 Plug, Sq. Hd.

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Model Number	Description
511-807	1-1/2 Plug, Sq. Hd.
511-808	2 Plug, Sq. Hd.
511-809	2-1/2 Plug, Sq. Hd.
511-810	3 Plug, Sq. Hd.
511-811	4 Plug, Sq. Hd.
511-400	1/8 End Cap
511-401	1/4 End Cap
511-402	3/8 End Cap
511-403	1/2 End Cap
511-404	3/4 End Cap
511-405	1 End Cap
511-406	1-1/4 End Cap
511-407	1-1/2 End Cap
511-408	2 End Cap
511-409	2-1/2 End Cap
511-410	3 End Cap
511-411	4 End Cap
511-413	6 End Cap
511-601	1/4 Flange
511-602	3/8 Flange
511-603	1/2 Flange
511-604	3/4 Flange
511-605	1 Flange
511-606	1-1/4 Flange
511-607	1-1/2 Flange
511-608	2 Flange
511-700	1/8 Unions
511-701	1/4 Unions
511-702	3/8 Unions

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Model Number	Description
511-703	1/2 Unions
511-704	3/4 Unions
511-705	1 Unions
511-706	1-1/4 Unions
511-707	1-1/2 Unions
511-708	2 Unions
511-709	2-1/2 Unions
511-710	3 Unions
511-711	4 Unions
511-200	1/8 Coupling
511-201	1/4 Coupling
511-202	3/8 Coupling
511-203	1/2 Coupling
511-204	3/4 Coupling
511-205	1 Coupling
511-206	1-1/4 Coupling
511-207	1-1/2 Coupling
511-208	2 Coupling
511-209	2-1/2 Coupling
511-210	3 Coupling
511-211	4 Coupling
511-320	1/4 x 1/8 Reducing Coupling
511-321	3/8 x 1/8 Reducing Coupling
511-310	3/8 x 1/4 Reducing Coupling
511-330	1/2 x 1/8 Reducing Coupling
511-331	1/2 x 1/4 Reducing Coupling
511-332	1/2 x 3/8 Reducing Coupling
511-341	3/4 x 1/4 Reducing Coupling
511-342	3/4 x 3/8 Reducing Coupling

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LEAD FREE

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Model Number	Description
511-343	3/4 x 1/2 Reducing Coupling
511-351	1 x 1/4 Reducing Coupling
511-352	1 x 3/8 Reducing Coupling
511-353	1 x 1/2 Reducing Coupling
511-354	1 x 3/4 Reducing Coupling
511-363	1-1/4 x 1/2 Reducing Coupling
511-364	1-1/4 x 3/4" Reducing Coupling
511-365	1-1/4 x 1 Reducing Coupling
511-373	1-1/2 x 1/2 Reducing Coupling
511-374	1-1/2 x 3/4 Reducing Coupling
511-375	1-1/2 x 1 Reducing Coupling
511-376	1-1/2 x 1-1/4 Reducing Coupling
511-383	2 x 1/2 Reducing Coupling
511-384	2 x 3/4 Reducing Coupling
511-385	2 x 1 Reducing Coupling
511-386	2 x 1-1/4 Reducing Coupling
511-387	2 x 1-1/2 Reducing Coupling
511-397	2-1/2 x 1-1/2 Reducing Coupling
511-398	2-1/2 x 2 Reducing Coupling
511-307	3 x 1-1/2 Reducing Coupling
511-308	3 x 2 Reducing Coupling
511-309	3 x 2-1/2 Reducing Coupling
511-328	4 x 2 Reducing Coupling
511-300	4 x 3 Reducing Coupling
511-613	1/2 Extension Piece
511-614	3/4 Extension Piece
511-615	1 Extension Piece
510-600	1/8 Equal Tee
510-601	1/4 Equal Tee

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Model Number	Description
510-602	3/8 Equal Tee
510-603	1/2 Equal Tee
510-604	3/4 Equal Tee
510-605	1 Equal Tee
510-606	1-1/4 Equal Tee
510-607	1-1/2 Equal Tee
510-608	2 Equal Tee
510-609	2-1/2 Equal Tee
510-610	3 Equal Tee
510-612	4 Equal Tee
510-614	6 Equal Tee
510-683	1/2 Service Tee
510-684	3/4 Service Tee
510-685	1 Service Tee
511-000	1/8 Equal Cross
511-001	1/4 Equal Cross
511-002	3/8 Equal Cross
511-003	1/2 Equal Cross
511-004	3/4 Equal Cross
511-005	1 Equal Cross
511-006	1-1/4 Equal Cross
511-007	1-1/2 Equal Cross
511-008	2 Equal Cross
511-009	2-1/2 Equal Cross
511-010	3 Equal Cross
511-011	4 Equal Cross
510-334	1/2 x 1/2 x 3/4 Bullhead Tees
510-335	1/2 x 1/2 x 1 Bullhead Tees
510-445	3/4 x 3/4 x 1 Bullhead Tees

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Model Number	Description
510-556	1 x 1 x 1-1/4 Bullhead Tees
510-557	1 x 1 x 1-1/2 Bullhead Tees
510-558	1 x 1 x 2 Bullhead Tees
510-658	1-1/4 x 1-1/4 x 1-1/2 Bullhead Tees
510-659	1-1/4 x 1-1/4 x 2 Bullhead Tees
510-778	1-1/2 x 1-1/2 x 2 Bullhead Tees
510-889	2 x 2 x 2-1/2 Bullhead Tees
510-533	1 x 1/2 x 1/2 Reducing Tee
510-544	1 x 3/4 x 3/4 Reducing Tee
510-633	1-1/4 x 1/2 x 1/2 Reducing Tee
510-644	1-1/4 x 3/4 x 3/4 Reducing Tee
510-655	1-1/4 x 1 x 1 Reducing Tee
510-744	1-1/2 x 3/4 x 3/4 Reducing Tee
510-755	1-1/2 x 1 x 1 Reducing Tee
510-769	1-1/2 x 1-1/4 x 1-1/4 Reducing Tee
510-855	2 x 1 x 1 Reducing Tee
510-866	2 x 1-1/4 x 1-1/4 Reducing Tee
510-877	2 x 1-1/2 x 1-1/2 Reducing Tee
510-737	1-1/2 x 1/2 x 1-1/2 Reducing Tee
510-747	1-1/2 x 3/4 x 1-1/2 Reducing Tee
510-757	1-1/2 x 1 x 1-1/2 Reducing Tee
510-767	1-1/2 x 1-1/4 x 1-1/2 Reducing Tee
510-838	2 x 1/2 x 2 Reducing Tee
510-848	2 x 3/4 x 2 Reducing Tee
510-858	2 x 1 x 2 Reducing Tee
510-868	2 x 1-1/4 x 2 Reducing Tee
510-878	2 x 1-1/2 x 2 Reducing Tee
510-434	3/4 x 1/2 x 3/4 Reducing Tee
510-793	1 x 1/2 x 1 Reducing Tee

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Model Number	Description
510-545	1 x 3/4 x 1 Reducing Tee
510-636	1-1/4 x 1/2 x 1-1/4 Reducing Tee
510-646	1-1/4 x 3/4 x 1-1/4 Reducing Tee
510-656	1-1/4 x 1 x 1-1/4 Reducing Tee
510-534	1 x 1/2 x 3/4 Reducing Tee
510-543	1 x 3/4 x 1/2 Reducing Tee
510-634	1-1/4 x 1/2 x 3/4 Reducing Tee
510-635	1-1/4 x 1/2 x 1 Reducing Tee
510-643	1-1/4 x 3/4 x 1/2 Reducing Tee
510-645	1-1/4 x 3/4 x 1 Reducing Tee
510-653	1-1/4 x 1 x 1/2 Reducing Tee
510-654	1-1/4 x 1 x 3/4 Reducing Tee
510-657	1-1/4 x 1 x 1-1/2 Reducing Tee
510-734	1-1/2 x 1/2 x 3/4 Reducing Tee
510-748	1-1/2 x 3/4 x 1/2 Reducing Tee
510-746	1-1/2 x 3/4 x 1-1/4 Reducing Tee
510-758	1-1/2 x 1 x 1/2 Reducing Tee
510-759	1-1/2 x 1 x 3/4 Reducing Tee
510-756	1-1/2 x 1 x 1-1/4 Reducing Tee
510-763	1-1/2 x 1-1/4 x 1/2 Reducing Tee
510-764	1-1/2 x 1-1/4 x 3/4 Reducing Tee
510-768	1-1/2 x 1-1/4 x 1 Reducing Tee
510-857	2 x 1 x 1-1/2 Reducing Tee
510-865	2 x 1-1/4 x 1 Reducing Tee
510-867	2 x 1-1/4 x 1-1/2 Reducing Tee
510-874	2 x 1-1/2 x 3/4 Reducing Tee
510-875	2 x 1-1/2 x 1 Reducing Tee
510-876	2 x 1-1/2 x 1-1/4 Reducing Tee
510-331	1/2 x 1/2 x 1/4 Reducing Tee

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Model Number	Description
510-322	1/2 x 1/2 x 3/8 Reducing Tee
510-444	3/4 x 3/4 x 1/4 Reducing Tee
510-442	3/4 x 3/4 x 3/8 Reducing Tee
510-743	3/4 x 3/4 x 1/2 Reducing Tee
510-433	3/4 x 1/2 x 1/2 Reducing Tee
510-551	1 x 1 x 1/4 Reducing Tee
510-552	1 x 1 x 3/8 Reducing Tee
510-753	1 x 1 x 1/2 Reducing Tee
510-754	1 x 1 x 3/4 Reducing Tee
510-662	1-1/4 x 1-1/4 x 3/8 Reducing Tee
510-664	1-1/4 x 1-1/4 x 1/2 Reducing Tee
510-664	1-1/4 x 1-1/4 x 3/4 Reducing Tee
510-765	1-1/4 x 1-1/4 x 1 Reducing Tee
510-773	1-1/2 x 1-1/2 x 1/2 Reducing Tee
510-774	1-1/2 x 1-1/2 x 3/4 Reducing Tee
510-775	1-1/2 x 1-1/2 x 1 Reducing Tee
510-776	1-1/2 x 1-1/2 x 1-1/4 Reducing Tee
510-783	2 x 2 x 1/2 Reducing Tee
510-884	2 x 2 x 3/4 Reducing Tee
510-785	2 x 2 x 1 Reducing Tee
510-886	2 x 2 x 1-1/4 Reducing Tee
510-787	2 x 2 x 1-1/2 Reducing Tee
510-993	2-1/2 x 2-1/2 x 1/2 Reducing Tee
510-994	2-1/2 x 2-1/2 x 3/4 Reducing Tee
510-995	2-1/2 x 2-1/2 x 1 Reducing Tee
510-996	2-1/2 x 2-1/2 x 1-1/4 Reducing Tee
510-997	2-1/2 x 2-1/2 x 1-1/2 Reducing Tee
510-998	2-1/2 x 2-1/2 x 2 Reducing Tee
510-934	3 x 3 x 3/4 Reducing Tee

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Model Number	Description
510-935	3 x 3 x 1 Reducing Tee
510-936	3 x 3 x 1-1/4 Reducing Tee
510-937	3 x 3 x 1-1/2 Reducing Tee
510-338	3 x 3 x 2 Reducing Tee
510-939	3 x 3 x 2-1/2 Reducing Tee
510-945	4 x 4 x 1 Reducing Tee
510-946	4 x 4 x 1-1/4 Reducing Tee
510-947	4 x 4 x 1-1/2 Reducing Tee
510-948	4 x 4 x 2 Reducing Tee
510-949	4 x 4 x 2-1/2 Reducing Tee
510-388	4 x 4 x 3 Reducing Tee
510-743	3/4 x 1/2 Reducing Cross
510-754	1 x 3/4 Reducing Cross
510-664	1-1/4 x 3/4 Reducing Cross
510-765	1-1/4 x 1 Reducing Cross
510-774	1-1/2 x 3/4 Reducing Cross
510-775	1-1/2 x 1 Reducing Cross
510-776	1-1/2 x 1-1/4 Reducing Cross
510-884	2 x 3/4 Reducing Cross
510-785	2 x 1 Reducing Cross
510-886	2 x 1-1/4 Reducing Cross
510-787	2 x 1-1/2 Reducing Cross
510-995	2-1/2 x 1 Reducing Cross
510-996	2-1/2 x 1-1/4 Reducing Cross
510-997	2-1/2 x 1-1/2 Reducing Cross
510-998	2-1/2 x 2 Reducing Cross
510-935	3 x 1 Reducing Cross
510-936	3 x 1-1/4 Reducing Cross
510-937	3 x 1-1/2 Reducing Cross

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Model Number	Description
510-338	3 x 2 Reducing Cross
510-939	3 x 2-1/2 Reducing Cross
510-949	4 x 2-1/2 Reducing Cross
510-388	4 x 3 Reducing Cross
510-000	1/8 Elbow - 90
510-001	1/4 Elbow - 90
510-002	3/8 Elbow - 90
510-003	1/2 Elbow - 90
510-004	3/4 Elbow - 90
510-005	1 Elbow - 90
510-006	1-1/4 Elbow - 90
510-007	1-1/2 Elbow - 90
510-008	2 Elbow - 90
510-009	2-1/2 Elbow - 90
510-010	3 Elbow - 90
510-011	4 Elbow - 90
510-013	6 Elbow - 90
510-300	1/8 Street Elbow - 90
510-301	1/4 Street Elbow - 90
510-302	3/8 Street Elbow - 90
510-303	1/2 Street Elbow - 90
510-304	3/4 Street Elbow - 90
510-305	1 Street Elbow - 90
510-306	1-1/4 Street Elbow - 90
510-307	1-1/2 Street Elbow - 90
510-308	2 Street Elbow - 90
510-309	2-1/2 Street Elbow - 90
510-310	3 Street Elbow - 90
510-311	4 Street Elbow - 90

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Model Number	Description
510-200	1/8 Elbow - 45
510-201	1/4 Elbow - 45
510-202	3/8 Elbow - 45
510-203	1/2 Elbow - 45
510-204	3/4 Elbow - 45
510-205	1 Elbow - 45
510-206	1-1/4 Elbow - 45
510-207	1-1/2 Elbow - 45
510-208	2 Elbow - 45
510-209	2-1/2 Elbow -45
510-210	3 Elbow - 45
510-211	4 Elbow - 45
510-213	6 Elbow - 45
510-500	1/8 Street Elbow - 45
510-501	1/4 Street Elbow - 45
510-502	3/8 Street Elbow - 45
510-503	1/2 Street Elbow - 45
510-504	3/4 Street Elbow - 45
510-505	1 Street Elbow - 45
510-506	1-1/4 Street Elbow - 45
510-507	1-1/2 Street Elbow - 45
510-508	2 Street Elbow - 45
510-509	2-1/2 Street Elbow - 45
510-510	3 Street Elbow - 45
510-511	4 Street Elbow - 45
510-803	1/2 Side Outlet Elbow
510-804	3/4 Side Outlet Elbow
510-805	1 Side Outlet Elbow
510-806	1-1/4 Side Outlet Elbow

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Model Number	Description
510-807	1-1/2 Side Outlet Elbow
510-808	2 Side Outlet Elbow
510-120	3/8 x 1/8 Reducing Elbow - 90
510-141	3/8 x 1/4 Reducing Elbow - 90
510-130	1/2 x 1/8 Reducing Elbow - 90
510-110	1/4 x 1/8 Reducing Elbow - 90
510-151	1 x 1/4 Reducing Elbow - 90
510-152	1 x 3/8 Reducing Elbow - 90
510-144	1 x 1/2 Reducing Elbow - 90
510-154	1 x 3/4 Reducing Elbow - 90
510-163	1-1/4 x 1/2 Reducing Elbow - 90
510-164	1-1/4 x 3/4 Reducing Elbow - 90
510-165	1-1/4 x 1 Reducing Elbow - 90
510-173	1-1/2 x 1/2 Reducing Elbow - 90
510-174	1-1/2 x 3/4 Reducing Elbow - 90
510-157	1-1/2 x 1 Reducing Elbow - 90
510-176	1-1/2 x 1-1/4 Reducing Elbow - 90
510-183	2 x 1/2 Reducing Elbow - 90
510-184	2 x 3/4 Reducing Elbow - 90
510-185	2 x 1 Reducing Elbow - 90
510-186	2 x 1-1/4 Reducing Elbow - 90
510-187	2 x 1-1/2 Reducing Elbow - 90
510-193	2-1/2 x 1/2 Reducing Elbow - 90
510-194	2-1/2 x 3/4 Reducing Elbow - 90
510-195	2-1/2 x 1 Reducing Elbow - 90
510-196	2-1/2 x 1-1/4 Reducing Elbow - 90
510-197	2-1/2 x 1-1/2 Reducing Elbow - 90
510-198	2-1/2 x 2 Reducing Elbow - 90
510-131	1/2 x 1/4 Reducing Elbow - 90

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Model Number	Description
510-132	1/2 x 3/8 Reducing Elbow - 90
510-141	3/4 x 1/4 Reducing Elbow - 90
510-142	3/4 x 3/8 Reducing Elbow - 90
510-143	3/4 x 1/2 Reducing Elbow - 90
510-115	3 x 1 Reducing Elbow - 90
510-116	3 x 1-1/4 Reducing Elbow - 90
510-117	3 x 1-1/2 Reducing Elbow - 90
510-118	3 x 2 Reducing Elbow - 90
510-119	3 x 2-1/2 Reducing Elbow - 90
510-111	4 x 2 Reducing Elbow - 90
510-113	4 x 2-1/2 Reducing Elbow - 90
510-112	4 x3 Reducing Elbow - 90

Hot-Dipped Galvanized Steel Pipe Nipples

Model Number	Description
560-***	Dia 1/8", Length Close to 144"
561-***	Dia 1/4", Length Close to 144"
562-***	Dia 3/8", Length Close to 144"
563-***	Dia 1/2", Length Close to 144"
564-***	Dia 3/4", Length Close to 144"
565-***	Dia 1", Length Close to 144"
566-***	Dia 1-1/4", Length Close to 144"
567-***	Dia 1-1/2", Length Close to 144"
568-***	Dia 2", Length Close to 144"
569-***	Dia 2-1/2", Length Close to 144"
570-***	Dia 3", Length Close to 144"
571-***	Dia 4", Length Close to 144"
572-***	Dia 5", Length Close to 144"
573-***	Dia 6", Length Close to 144"

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Steel Merchant Couplings

Model Number	Description
511-220	Standard Steel Merchant Coupling 1/8"
511-221	Standard Steel Merchant Coupling 1/4"
511-222	Standard Steel Merchant Coupling 3/8"
511-223	Standard Steel Merchant Coupling 1/2"
511-224	Standard Steel Merchant Coupling 3/4"
511-225	Standard Steel Merchant Coupling 1"
511-226	Standard Steel Merchant Coupling 11/2"
511-227	Standard Steel Merchant Coupling 2"
511-228	Standard Steel Merchant Coupling 21/2"
511-229	Standard Steel Merchant Coupling 3"
511-230	Standard Steel Merchant Coupling 31/2"
511-231	Standard Steel Merchant Coupling 4"

Mueller Industries/Southland Pipe Nipples Company, Inc.

Model Number	Description
60000	1/8 Elbow - 90
60001	1/4 Elbow - 90
60002	3/8 Elbow - 90
60003	1/2 Elbow - 90
60004	3/4 Elbow - 90
60005	1 Elbow - 90
60006	1-1/4 Elbow - 90
60007	1-1/2 Elbow - 90
60008	2 Elbow - 90
60009	2-1/2 Elbow - 90

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Model Number	Description
60010	3 Elbow - 90
60011	4 Elbow - 90
60013	6 Elbow - 90
60100	1/8 Elbow - 45
60101	1/4 Elbow - 45
60102	3/8 Elbow - 45
60103	1/2 Elbow - 45
60104	3/4 Elbow - 45
60105	1 Elbow - 45
60106	1-1/4 Elbow - 45
60107	1-1/2 Elbow - 45
60108	2 Elbow - 45
60109	2-1/2 Elbow - 45
60110	3 Elbow - 45
60113	6 Elbow - 45
60200	1/8 Street Elbow - 90
60201	1/4 Street Elbow - 90
60202	3/8 Street Elbow - 90
60203	1/2 Street Elbow - 90
60204	3/4 Street Elbow - 90
60205	1 Street Elbow - 90
60206	1-1/4 Street Elbow - 90
60207	1-1/2 Street Elbow - 90
60208	2 Street Elbow - 90
60209	2-1/2 Street Elbow - 90
60210	3 Street Elbow - 90
60211	4 Street Elbow - 90
60300	1/8 Street Elbow - 45
60301	1/4 Street Elbow - 45

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Model Number	Description
60302	3/8 Street Elbow - 45
60303	1/2 Street Elbow - 45
60304	3/4 Street Elbow - 45
60305	1 Street Elbow - 45
60306	1-1/4 Street Elbow - 45
60308	2 Street Elbow - 45
60309	2-1/2 Street Elbow - 45
60310	3 Street Elbow - 45
60311	4 Street Elbow - 45
60400	1/8 Equal Tee
60401	1/4 Equal Tee
60402	3/8 Equal Tee
60403	1/2 Equal Tee
60404	3/4 Equal Tee
60405	1 Equal Tee
60406	1-1/4 Equal Tee
60407	1-1/2 Equal Tee
60408	2 Equal Tee
60409	2-1/2 Equal Tee
60410	3 Equal Tee
60411	4 Equal Tee
60413	6 Equal Tee
60500	1/8 Equal Cross
60501	1/4 Equal Cross
60502	3/8 Equal Cross
60503	1/2 Equal Cross
60504	3/4 Equal Cross
60505	1 Equal Cross
60506	1-1/4 Equal Cross

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Model Number	Description
60507	1-1/2 Equal Cross
60508	2 Equal Cross
60509	2-1/2 Equal Cross
60510	3 Equal Cross
60511	4 Equal Cross
60600	1/8 Coupling
60601	1/4 Coupling
60602	3/8 Coupling
60603	1/2 Coupling
60604	3/4 Coupling
60605	1 Coupling
60606	1-1/4 Coupling
60607	1-1/2 Coupling
60608	2 Coupling
60609	2-1/2 Coupling
60610	3 Coupling
60611	4 Coupling
60700	1/8 Plug , Sq. Hd.
60701	1/4 Plug , Sq. Hd.
60702	3/8 Plug , Sq. Hd.
60703	1/2 Plug , Sq. Hd.
60704	3/4 Plug , Sq. Hd.
60705	1 Plug , Sq. Hd.
60706	1-1/4 Plug , Sq. Hd.
60707	1-1/2 Plug , Sq. Hd.
60708	2 Plug , Sq. Hd.
60709	2-1/2 Plug , Sq. Hd.
60710	3 Plug , Sq. Hd.
60711	4 Plug , Sq. Hd.

IAPMO RESEARCH AND TESTING, INC.

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LEAD FREE

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Model Number	Description
60713	6 Plug , Sq. Hd.
60800	1/8 End Cap
60801	1/4 End Cap
60802	3/8 End Cap
60803	1/2 End Cap
60804	3/4 End Cap
60805	1 End Cap
60806	1-1/4 End Cap
60807	1-1/2 End Cap
60808	2 End Cap
60809	2-1/2 End Cap
60810	3 End Cap
60811	4 End Cap
60813	6 End Cap
60900	1/8 Unions
60901	1/4 Unions
60902	3/8 Unions
60903	1/2 Unions
60904	3/4 Unions
60905	1 Unions
60906	1-1/4 Unions
60907	1-1/2 Unions
60908	2 Unions
60909	2-1/2 Unions
60910	3 Unions
60911	4 Unions
61002	3/8 Flange
61003	1/2 Flange
61004	3/4 Flange

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Model Number	Description
61005	1 Flange
61006	1-1/4 Flange
61007	1-1/2 Flange
61008	2 Flange
61200	1/4 x 1/8 Reducing Elbow - 90
61201	3/8 x 1/8 Reducing Elbow - 90
61202	3/8 x 1/4 Reducing Elbow - 90
61203	1/2 x 1/8 Reducing Elbow - 90
61204	1/2 x 1/4 Reducing Elbow - 90
61205	1/2 x 3/8 Reducing Elbow - 90
61207	3/4 x 1/4 Reducing Elbow - 90
61208	3/4 x 3/8 Reducing Elbow - 90
61209	3/4 x 1/2 Reducing Elbow - 90
61210	1 x 1/4 Reducing Elbow - 90
61211	1 x 3/8 Reducing Elbow - 90
61212	1 x 1/2 Reducing Elbow - 90
61213	1 x 3/4 Reducing Elbow - 90
61214	1-1/4 x 1/2 Reducing Elbow - 90
61215	1-1/4 x 3/4 Reducing Elbow - 90
61216	1-1/4 x 1 Reducing Elbow - 90
61218	1-1/2 x 1/2 Reducing Elbow - 90
61219	1-1/2 x 3/4 Reducing Elbow - 90
61220	1-1/2 x 1 Reducing Elbow - 90
61221	1-1/2 x 1-1/4 Reducing Elbow - 90
61222	2 x 1/2 Reducing Elbow - 90
61223	2 x 3/4 Reducing Elbow - 90
61224	2 x 1 Reducing Elbow - 90
61225	2 x 1-1/4 Reducing Elbow - 90
61226	2 x 1-1/2 Reducing Elbow - 90

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Model Number	Description
61227	2-1/2 x 1/2 Reducing Elbow - 90
61228	2-1/2 x 3/4 Reducing Elbow - 90
61229	2-1/2 x 1 Reducing Elbow - 90
61230	2-1/2 x 1-1/4 Reducing Elbow - 90
61231	2-1/2 x 1-1/2 Reducing Elbow - 90
61232	2-1/2 x 2 Reducing Elbow - 90
61233	3 x 1-1/2 Reducing Elbow - 90
61234	3 x 2 Reducing Elbow - 90
61235	3 x 2-1/2 Reducing Elbow - 90
61236	4 x 2 Reducing Elbow - 90
61237	4 x 2-1/2 Reducing Elbow - 90
61238	4 x 3 Reducing Elbow - 90
61300	1/4 x 1/8 Reducing Coupling
61301	3/8 x 1/8 Reducing Coupling
61302	3/8 x 1/4 Reducing Coupling
61303	1/2 x 1/8 Reducing Coupling
61304	1/2 x 1/4 Reducing Coupling
61305	1/2 x 3/8 Reducing Coupling
61306	3/4 x 1/8 Reducing Coupling
61307	3/4 x 1/4 Reducing Coupling
61308	3/4 x 3/8 Reducing Coupling
61309	3/4 x 1/2 Reducing Coupling
61310	1 x 1/4 Reducing Coupling
61311	1 x 3/8 Reducing Coupling
61312	1 x 1/2 Reducing Coupling
61313	1 x 3/4 Reducing Coupling
61316	1-1/4x3/8 Reducing Coupling
61317	1-1/4x1/2 Reducing Coupling
61318	11/4x3/4" Reducing Coupling

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Model Number	Description
61319	11/4x1 Reducing Coupling
61321	1-1/2 x 3/8 Reducing Coupling
61322	1-1/2 x 1/2 Reducing Coupling
61323	1-1/2 x 3/4 Reducing Coupling
61324	1-1/2 x 1 Reducing Coupling
61325	1-1/2 x 1-1/4 Reducing Coupling
61328	2 x 1/2 Reducing Coupling
61329	2 x 3/4 Reducing Coupling
61330	2 x 1 Reducing Coupling
61331	2 x 1-1/4 Reducing Coupling
61332	2x 1-1/2 Reducing Coupling
61334	2-1/2 x 3/4 Reducing Coupling
61335	2-1/2 x 1 Reducing Coupling
61336	2-1/2 x 1-1/4 Reducing Coupling
61337	2-1/2 x 1-1/2 Reducing Coupling
61338	2-1/2 x 2 Reducing Coupling
61340	3 x 3/4 Reducing Coupling
61341	3 x 1 Reducing Coupling
61342	3 x 1-1/4 Reducing Coupling
61343	3 x 1-1/2 Reducing Coupling
61344	3 x 2 Reducing Coupling
61345	3 x 2-1/2 Reducing Coupling
61347	4 x 1 Reducing Coupling
61349	4 x 2 Reducing Coupling
61350	4 x 2-1/2 Reducing Coupling
61351	4 x 3 Reducing Coupling
61352	4 x 1-1/2 Reducing Coupling
61353	6 x 4 Reducing Coupling
61354	6 x 3 Reducing Coupling

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Model Number	Description
61400	1/4 x 1/8 Bushing
61401	3/8 x 1/8 Bushing
61402	3/8 x 1/4 Bushing
61403	1/2 x 1/8 Bushing
61404	1/2 x 1/4 Bushing
61405	1/2 x 3/8 Bushing
61406	3/4 x 1/8 Bushing
61407	3/4 x 1/4 Bushing
61408	3/4 x 3/8 Bushing
61409	3/4 x 1/2 Bushing
61411	1 x 1/4 Bushing
61412	1X3/8 Bushing
61413	1 x 1/2 Bushing
61414	1 x 3/4 Bushing
61416	1-1/4 x 1/4 Bushing
61417	1-1/4 x 3/8 Bushing
61418	1-1/4 x 1/2 Bushing
61419	1-1/4 x 3/4 Bushing
61420	1-1/4 x 1 Bushing
61422	1-1/2 x 1/4 Bushing
61423	1-1/2 x 3/8 Bushing
61424	1-1/2 x 1/2 Bushing
61425	1-1/2 x 3/4 Bushing
61426	1-1/2 x 1 Bushing
61427	1-1/2 x 1-1/4 Bushing
61429	2 x 3/8 Bushing
61430	2 x 1/2 Bushing
61431	2 x 3/4 Bushing
61432	2 x 1 Bushing

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Model Number	Description
61433	2 x 1-1/4 Bushing
61434	2 x 1-1/2 Bushing
61436	2-1/2 x 1/2 Bushing
61437	2-1/2 x 3/4 Bushing
61438	2-1/2 x 1 Bushing
61439	2-1/2 x 1-1/4 Bushing
61440	2-1/2 x 1-1/2 Bushing
61441	2-1/2 x 2 Bushing
61442	3 x 1/2 Bushing
61443	3 x 3/4 Bushing
61444	3 x 1 Bushing
61445	3 x 1-1/4 Bushing
61446	3 x 1-1/2 Bushing
61447	3 x 2 Bushing
61448	3 x 2-1/2 Bushing
61450	4 x 3/4 Bushing
61451	4 x 1 Bushing
61452	4 x 1-1/4 Bushing
61453	4 x 1-1/2 Bushing
61454	4 x 2 Bushing
61455	4 x 2-1/2 Bushing
61456	4 x 3 Bushing
61459	6 x 2 Bushing
61460	6 x 3 Bushing
61461	6 x 4 Bushing
61500	1/4 x 1/8 Reducing Tee
61501	3/8 x 1/8 Reducing Tee
61502	3/8 x 1/4 Reducing Tee
61505	1/2 x 1/2 x 3/8 Reducing Tee

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Model Number	Description
61506	1/2 x 1/2 x 3/4 Reducing Tee
61507	1/2 x 1/8 Reducing Tee
61508	3/4 x 1/4 Reducing Tee
61509	3/4 x 3/8 Reducing Tee
61510	3/4 x 3/4 x 1/2 Reducing Tee
61511	3/4 x 1/2 x 1/2 Reducing Tee
61512	3/4 x 1/2 x 3/4 Reducing Tee
61513	1 x 1/4 Reducing Tee
61514	1 x 3/8 Reducing Tee
61515	1 x 1/2 Reducing Tee
61516	1 x 1/2 x 1 Reducing Tee
61517	1 x 1 x 3/4 Reducing Tee
61518	1 x 3/4 x 1/2 Reducing Tee
61519	1 x 3/4 x 3/4 Reducing Tee
61520	1 x 3/4 x 1 Reducing Tee
61522	1-1/4 x 3/8 Reducing Tee
61523	1-1/4 x 1/2 Reducing Tee
61524	1-1/4 x 3/4 Reducing Tee
61527	1-1/2 x 1/2 Reducing Tee
61528	1-1/2 x 1/2 x 3/4 Reducing Tee
61529	1-1/2 x 1 Reducing Tee
61530	1-1/2 x 1-1/4 Reducing Tee
61532	2-x 1/2 Reducing Tee
61534	2 x 1 Reducing Tee
61536	2 x 1-1/2 Reducing Tee
61537	2-1/2 x 1/2 Reducing Tee
61538	2-1/2 x 3/4 Reducing Tee
61539	2-1/2 x 1 Reducing Tee
61540	2-1/2 x.1-1/4 Reducing Tee

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Model Number	Description
61541	2-1/2 x 1-1/2 Reducing Tee
61542	2-1/2x 2 Reducing Tee
61544	3 x 3/4 Reducing Tee
61545	3 x 1 Reducing Tee
61546	3 x 1-1/4 Reducing Tee
61547	3 x 1-1/2 Reducing Tee
61548	3 x 2 Reducing Tee
61549	3 x 2-1/2 Reducing Tee
61552	4 x 1 Reducing Tee
61553	4 x 1-1/4 Reducing Tee
61554	4 x 1-1/2 Reducing Tee
61555	4 x 2 Reducing Tee
61556	4 x 2-1/2 Reducing Tee
61557	4 x 3 Reducing Tee
61559	3/4 x 1/2 x 1 Reducing Tee
61560	1 x 1/2 x 1/2 Reducing Tee
61561	1 x 1/2 x 3/4 Reducing Tee
61562	1-1/4 x 1/2 x 1/2 Reducing Tee
61563	1-1/4 x 1/2 x 3/4 Reducing Tee
61564	1-1/4 x 1/2 x 1 Reducing Tee
61565	1-1/4 x 1/2 x 1-1/4 Reducing Tee
61566	1-1/4 x 3/4 x 1/2 Reducing Tee
61567	1-1/4 x 3/4 x 3/4 Reducing Tee
61568	1-1/4 x 3/4 x 1 Reducing Tee
61569	1-1/4 x 3/4 x 1-1/4 Reducing Tee
61570	1-1/4 x 1 x 1/2 Reducing Tee
61571	1-1/4 x 1 x 3/4 Reducing Tee
61572	1-1/4 x 1 Reducing Tee
61573	1-1/4 x 1 x 1-1/4 Reducing Tee

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Model Number	Description
61574	1-1/4 x 1 x 1-1/2 Reducing Tee
61578	1-1/2 x 1/2 x 1-1/2 Reducing Tee
61579	1-1/2 x 3/4 x 1/2 Reducing Tee
61580	1-1/2 x 3/4 x 3/4 Reducing Tee
61582	1-1/2 x 3/4 x 1-1/4 Reducing Tee
61583	1-1/2 x 3/4 x 1-1/2 Reducing Tee
61584	1-1/2 x 1 x 1/2 Reducing Tee
61585	1-1/2 x 1 x 3/4 Reducing Tee
61586	1-1/2 x 1 x 1 Reducing Tee
61587	1-1/2 x 1 x 1-1/4 Reducing Tee
61588	1-1/2 x 1 x 1-1/2 Reducing Tee
61589	1-1/2 x 1-1/4 x 1/2 Reducing Tee
61590	1-1/2 x 1-1/4 x 3/4 Reducing Tee
61591	1-1/2 x 1-1/4 x 1 Reducing Tee
61592	1-1/2 x 1-1/4 x 1-1/4 Reducing Tee
61595	2 x 1/2 x 2 Reducing Tee
61597	2 x 3/4 x 2 Reducing Tee
61598	2 x 1 x 1 Reducing Tee
62003	Side Outlet Elbow 1/2"
62004	Side Outlet Elbow 3/4"
62005	Side Outlet Elbow 1"
62006	Side Outlet Elbow 1-1/4"
62007	Side Outlet Elbow 1-1/2"
62008	Side Outlet Elbow 2"
62103	Side Outlet Tee 1/2"
62104	Side Outlet Tee 3/4"
63100	Reducing Tee 2" x 1" x 2"
63101	Reducing Tee 2" x 1-1/4" x 1"
63102	Reducing Tee 2" x 1-1/4"

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Model Number	Description
63103	Reducing Tee 2" x 1-1/4" x 1-1/2"
63104	Reducing Tee 2" x 1-1/4" x 2"
63105	Reducing Tee 2" x 1-1/2x 3/4"
63106	Reducing Tee 2" x 1-1/2" x 1"
63107	Reducing Tee 2" x 1-1/2" x 1-1/4"
63108	Reducing Tee 2" x 1-1/2" x 1-1/2"
63109	Reducing Tee 2" x 1-1/2" x 2"
63116	Reducing Tee 1/2" x 1/2" x 1"
63117	Reducing Tee 3/4" x 3/4" x 1"
63118	Reducing Tee 1" x 1" x 1-1/4
63119	Reducing Tee 1" x 1" x 1-1/2"
63120	Reducing Tee 1-1/4" x 1-1/4" x 1-1/2"
63122	Reducing Tee 1-1/2" x 1-1/2" x 2"
63123	Reducing Tee 2" x 1" x 1-1/2"
63124	Reducing Tee 2" x 2" x 2-1/2"
71596	Reducing Tee 2" x 3/4"

Hot-Dipped Galvanized Steel Pipe Nipples

Model Number	Description
101***	Dia 1/8", Length Close to 144"
102***	Dia 1/4", Length Close to 144"
103***	Dia 3/8", Length Close to 144"
104***	Dia 1/2", Length Close to 144"
105***	Dia 3/4", Length Close to 144"
106***	Dia 1", Length Close to 144"
107***	Dia 11/4", Length Close to 144"
108***	Dia 11/2", Length Close to 144"
109***	Dia 2", Length Close to 144"
110***	Dia 21/2", Length Close to 144"

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Model Number	Description
111***	Dia 3", Length Close to 144"
112***	Dia 4", Length Close to 144"
114***	Dia 6", Length Close to 144"

***	**represents the length**
	from Close to 144"

Nibco Inc

Model Number	Description
NLK986D	2" DOUBLE DOOR WAFER CHECK VALVE
NLK986E	2-1/2" DOUBLE DOOR WAFER CHECK VALVE
NLK986F	3" DOUBLE DOOR WAFER CHECK VALVE
NLK986H	4" DOUBLE DOOR WAFER CHECK VALVE
NLK986J	5" DOUBLE DOOR WAFER CHECK VALVE
NLK986K	6" DOUBLE DOOR WAFER CHECK VALVE
NLK986L	8" DOUBLE DOOR WAFER CHECK VALVE
NLK986M	10" DOUBLE DOOR WAFER CHECK VALVE
NLK986N	12" DOUBLE DOOR WAFER CHECK VALVE
NLK986T	14" DOUBLE DOOR WAFER CHECK VALVE
NLK986U	16" DOUBLE DOOR WAFER CHECK VALVE
NLK980D	2" Grooved Butterfly Valve, Gear Operated
NLK980E	2-1/2" Grooved Butterfly Valve, Gear Operated
NLK980F	3" Grooved Butterfly Valve, Gear Operated
NLK980H	4" Grooved Butterfly Valve, Gear Operated
NLK980J	5" Grooved Butterfly Valve, Gear Operated
NLK980K	6" Grooved Butterfly Valve, Gear Operated

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Model Number	Description
NLK980L	8" Grooved Butterfly Valve, Gear Operated
NLK980M	10" Grooved Butterfly Valve, Gear Operated
NLK980N	12" Grooved Butterfly Valve, Gear Operated
NLK981D	2" Grooved Butterfly Valve with Tamper Switch
NLK981E	2-1/2" Grooved Butterfly Valve with Tamper Switch
NLK981F	3" Grooved Butterfly Valve with Tamper Switch
NLK981H	4" Grooved Butterfly Valve with Tamper Switch
NLK981J	5" Grooved Butterfly Valve with Tamper Switch
NLK981K	6" Grooved Butterfly Valve with Tamper Switch
NLK981L	8" Grooved Butterfly Valve with Tamper Switch
NLK981M	10" Grooved Butterfly Valve with Tamper Switch
NLK981N	12" Grooved Butterfly Valve with Tamper Switch
NLK982D	2" Wafer Butterfly Valve, Gear Operated
NLK982E	2-1/2" Wafer Butterfly Valve, Gear Operated
NLK982F	3" Wafer Butterfly Valve, Gear Operated
NLK982H	4" Wafer Butterfly Valve, Gear Operated
NLK982J	5" Wafer Butterfly Valve, Gear Operated
NLK982K	6" Wafer Butterfly Valve, Gear Operated
NLK982L	8" Wafer Butterfly Valve, Gear Operated
NLK982M	10" Wafer Butterfly Valve, Gear Operated
NLK982N	12" Wafer Butterfly Valve, Gear Operated
NLK983D	2" Wafer Butterfly Valve with Tamper Switch
NLK983E	2-1/2" Wafer Butterfly Valve with Tamper Switch
NLK983F	3" Wafer Butterfly Valve with Tamper Switch
NLK983H	4" Wafer Butterfly Valve with Tamper Switch
NLK983J	5" Wafer Butterfly Valve with Tamper Switch
NLK983K	6" Wafer Butterfly Valve with Tamper Switch
NLK983L	8" Wafer Butterfly Valve with Tamper Switch
NLK983M	10" Wafer Butterfly Valve with Tamper Switch

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Model Number	Description
NLK983N	12" Wafer Butterfly Valve with Tamper Switch
NLK988D	2" Lugged Wafer Butterfly Valve, Gear Operated
NLK988E	2-1/2" Lugged Wafer Butterfly Valve, Gear Operated
NLK988F	3" Lugged Wafer Butterfly Valve, Gear Operated
NLK988H	4" Lugged Wafer Butterfly Valve, Gear Operated
NLK988J	5" Lugged Wafer Butterfly Valve, Gear Operated
NLK988K	6" Lugged Wafer Butterfly Valve, Gear Operated
NLK988L	8" Lugged Wafer Butterfly Valve, Gear Operated
NLK988M	10" Lugged Wafer Butterfly Valve, Gear Operated
NLK988N	12" Lugged Wafer Butterfly Valve, Gear Operated
NLK995D	2" Lugged Riser Butterfly Valve with Tamper Switch
NLK995E	2-1/2" Lugged Riser Butterfly Valve with Tamper Switch
NLK995F	3" Lugged Riser Butterfly Valve with Tamper Switch
NLK995H	4" Lugged Riser Butterfly Valve with Tamper Switch
NLK995J	5" Lugged Riser Butterfly Valve with Tamper Switch
NLK995K	6" Lugged Riser Butterfly Valve with Tamper Switch
NLK995L	8" Lugged Riser Butterfly Valve with Tamper Switch
NLK995M	10" Lugged Riser Butterfly Valve with Tamper Switch
NLK995N	12" Lugged Riser Butterfly Valve with Tamper Switch

Model Number	Description
F697-RW	2" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	2 1/2' RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	3" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	4" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	5" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	6" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	8" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F697-RW	10" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

Issued To: JINAN MEIDE CASTING CO., LTD.

Effective Date: May 2024

LEAD FREE

File Number: 6047

Revised Date: August 14, 2025

Product: Lead Free Plumbing Products

Void After: May 2029

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Model Number	Description
F697-RW	12" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, FLANGED ASME B16.1
F6B7-RW-PN16	2" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	2 1/2" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	3" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	4" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	5" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	6" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	8" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	10" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6B7-RW-PN16	12" RESILIENT WEDGE GATE VALVE, OS&Y, 16 BAR, FLANGED BS EN 1092
F6D7-RW-363	2" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	2 1/2" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	3" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	4" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	5" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	6" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	8" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	10" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-363	12" RESILIENT WEGE GATE VALVE, OS&Y, 363 PSI, FLANGED ASME B16.1
F6D7-RW-PN25	2 1/2" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	3" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	4" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	5" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	6" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	8" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	10" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
F6D7-RW-PN25	12" RESILIENT WEGE GATE VALVE, OS&Y, 25 BAR, FLANGED BS EN 1092
G697-RW	2" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	3" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606

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Model Number	Description
G697-RW	4" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	5" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	6" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	8" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	10" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
G697-RW	12" RESILIENT WEGE GATE VALVE, OS&Y, 300 PSI, GROOVED AWWA C606
F699-RW-IPF	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW-IPF	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW-IPF	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW-IPF	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW-IPF	10" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW-IPF	12" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F6B9-RW-IPF-PN16	4" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	5" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	6" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	8" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	10" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	12" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6D9-RW-IPF	4" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF	5" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF	6" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF	8" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF	10" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF	12" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-IPF-PN25	4" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-IPF-PN25	5" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-IPF-PN25	6" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-IPF-PN25	8" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-IPF-PN25	10" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092

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Model Number	Description
F6D9-RW-IPF-PN25	12" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F689-RW-IPF	14" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-IPF	16" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-IPF	18" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-IPF	20" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-IPF	24" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F6B9-RW-IPF-PN16	14" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	16" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	18" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	20" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-IPF-PN16	24" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
G699-RW-IPF	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW-IPF	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW-IPF	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW-IPF	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW-IPF	10"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW-IPF	12"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
M699-RW-IPF	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	10"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	12"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW-IPF	14"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
F699-RW	2" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	2 1/2"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	3" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1

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Model Number	Description
F699-RW	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	10"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F699-RW	12"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1
F6B9-RW-PN16	2" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	2 1/2" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	3" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	4" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	5" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	6" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	8" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	10" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	12" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6D9-RW	2" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	2 1/2" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	3" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	4" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	5" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	6" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	8" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	10" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW	12" RESILIENT WEGE GATE VALVE, NRS, 363 PSI, FLANGED ASME B16.1
F6D9-RW-PN25	2" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	2 1/2" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	3" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	4" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	5" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	6" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	8" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092

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Model Number	Description
F6D9-RW-PN25	10" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F6D9-RW-PN25	12" RESILIENT WEGE GATE VALVE, NRS, 25 BAR, FLANGED BS EN 1092
F689-RW	14" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW	16" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW	18" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW	20" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW	24" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F6B9-RW-PN16	14" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	16" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	18" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	20" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-PN16	24" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
G699-RW	2" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	2 1/2" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	3" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	10" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
G699-RW	12" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, GROOVED AWWA C606
M699-RW	3" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	10"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
M699-RW	12"RESILIENT WEGE GATE VALVE, NRS, 300 PSI, MECHANICAL JOINT AWWA C111/A21.11
FM699-RW	3" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11

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Model Number	Description
FM699-RW	4" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
FM699-RW	5" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
FM699-RW	6" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
FM699-RW	8" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
FM699-RW	10" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
FM699-RW	12" RESILIENT WEGE GATE VALVE, NRS, 300 PSI, FLANGED ASME B16.1 X MECH. JOINT AWWA C111/A21.11
F689-RW-SON	14" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-SON	16" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-SON	18" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-SON	20" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F689-RW-SON	24" RESILIENT WEGE GATE VALVE, NRS, 250 PSI, FLANGED ASME B16.1
F6B9-RW-SON-PN16	14" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-SON-PN16	16" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-SON-PN16	18" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-SON-PN16	20" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092
F6B9-RW-SON-PN16	24" RESILIENT WEDGE GATE VALVE, NRS, 16 BAR, FLANGED BS EN 1092

Ohio Valve Company

Model Number	Description
4133L-xx	Wafer Butterfly Valve, Lever Operated
4133G-xx	Wafer Butterfly Valve, Gear Operated
4833L-xx	Lugged Butterfly Valve, Lever Operated
4833G-xx	Lugged Butterfly Valve, Gear Operated

xx	different sizes
1-1/2"	

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xx	different sizes
2"	
2-1/2"	
3"	
4"	
5"	
6"	
8"	
10"	
12"	
14"	
16"	
18"	
20"	
24"	
28"	
30"	

Sioux Chief Manufacturing Company, Inc.

Model Number	Description
930-13605001	1-1/2" X 1-1/4" LF RED BRASS REDUCER, FXF
930-15403001	1" X 3/4" LF RED BRASS BUSHING, MXF
930-21161001	3/8" X 3/8" X 1/4" LF RED BRASS TEE, FXFXF
930-21201601	1/2" X 1/2" X 3/8" LF RED BRASS TEE, FXFXF
930-257001	2" LF RED BRASS 90DEG ELBOW, F X F
930-380201	1/8" LF RED BRASS 45DEG STREET ELBOW, FXM
930-381005	1/4" LF RED BRASS 45DEG STREET ELBOW, FXM

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Model Number	Description
930-506001	1-1/2" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
930-62100201	1/4" X 1/8" LF RED BRASS REDUCING NIPPLE, MXM
930-62161001	3/8" X 1/4" LF RED BRASS REDUCING NIPPLE, MXM
931-122001	1/2" LF RED BRASS COUPLING, FXF
931-123001	3/4" LF RED BRASS COUPLING, FXF
931-124001	1" LF RED BRASS COUPLING, FXF
931-125001	1-1/4" LF RED BRASS COUPLING, FXF
931-126001	1-1/2" LF RED BRASS COUPLING, FXF
931-127001	2" LF RED BRASS COUPLING, FXF
931-13100201	1/4" X 1/8" LF RED BRASS REDUCER, FXF
931-13160201	3/8" X 1/8" LF RED BRASS REDUCER, FXF
931-13161001	3/8" X 1/4" LF RED BRASS REDUCER, FXF
931-13200201	1/2" X 1/8" LF RED BRASS REDUCER, FXF
931-13201001	1/2" X 1/4" LF RED BRASS REDUCER, FXF
931-13201601	1/2" X 3/8" LF RED BRASS REDUCER, FXF
931-13302001	3/4" X 1/2" LF RED BRASS REDUCER, FXF
931-13402001	1" X 1/2" LF RED BRASS REDUCER, FXF
931-13403001	1" X 3/4" LF RED BRASS REDUCER, FXF
931-13503001	1-1/4" X 3/4" LF RED BRASS REDUCER, FXF
931-13504001	1-1/4" X 1" LF RED BRASS REDUCER, FXF
931-13604001	1-1/2" X 1" LF RED BRASS REDUCER, FXF
931-13705001	2" X 1-1/4" LF RED BRASS REDUCER, FXF
931-13706001	2" X 1-1/2" LF RED BRASS REDUCER, FXF
931-15100201	1/4" X 1/8" LF RED BRASS BUSHING, MXF
931-15160201	3/8" X 1/8" LF RED BRASS BUSHING, MXF
931-15161001	3/8" X 1/4" LF RED BRASS BUSHING, MXF
931-15200201	1/2" X 1/8" LF RED BRASS BUSHING, MXF
931-15201001	1/2" X 1/4" LF RED BRASS BUSHING, MXF
931-15201601	1/2" X 3/8" LF RED BRASS BUSHING, MXF

IAPMO RESEARCH AND TESTING, INC.

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LEAD FREE

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Revised Date: August 14, 2025

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Model Number	Description
931-15302001	3/4" X 1/2" LF RED BRASS BUSHING, MXF
931-15402001	1" X 1/2" LF RED BRASS BUSHING, MXF
931-15503001	1-1/4" X 3/4" LF RED BRASS BUSHING, MXF
931-15504001	1-1/4" X 1" LF RED BRASS BUSHING, MXF
931-15604001	1-1/2" X 1" LF RED BRASS BUSHING, MXF
931-15605001	1-1/2" X 1-1/4" LF RED BRASS BUSHING, MXF
931-15705001	2" X 1-1/4" LF RED BRASS BUSHING, MXF
931-15706001	2" X 1-1/2" LF RED BRASS BUSHING, MXF
931-181001	1/4" LF RED BRASS TEE, FXFXF
931-181601	3/8" LF RED BRASS TEE, FXFXF
931-200201	1/8" LF RED BRASS TEE, FXFXF
931-202001	1/2" LF RED BRASS TEE, FXFXF
931-203001	3/4" LF RED BRASS TEE, FXFXF
931-204001	1" LF RED BRASS TEE, FXFXF
931-205001	1-1/4" LF RED BRASS TEE, FXFXF
931-206001	1-1/2" LF RED BRASS TEE, FXFXF
931-207001	2" LF RED BRASS TEE, FXFXF
931-250201	1/8" LF RED BRASS 90DEG ELBOW, F X F
931-251001	1/4" LF RED BRASS 90DEG ELBOW, F X F
931-251601	3/8" LF RED BRASS 90DEG ELBOW, F X F
931-252001	1/2" LF RED BRASS 90DEG ELBOW, F X F
931-253001	3/4" LF RED BRASS 90DEG ELBOW, F X F
931-254001	1" LF RED BRASS 90DEG ELBOW, F X F
931-25500	1-1/4" LF RED BRASS 90DEG ELBOW, F X F
931-256001	1-1/2" LF RED BRASS 90DEG ELBOW, F X F
931-270201	1/8" LF RED BRASS 90DEG STREET ELBOW, FXM
931-271001	1/4" LF RED BRASS 90DEG STREET ELBOW, FXM
931-271601	3/8" LF RED BRASS 90DEG STREET ELBOW, FXM
931-272001	1/2" LF RED BRASS 90DEG STREET ELBOW, FXM

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Model Number	Description
931-273001	3/4" LF RED BRASS 90DEG STREET ELBOW, FXM
931-274001	1" LF RED BRASS 90DEG STREET ELBOW, FXM
931-275001	1-1/4" LF RED BRASS 90DEG STREET ELBOW, FXM
931-276001	1-1/2" LF RED BRASS 90DEG STREET ELBOW, FXM
931-277001	2" LF RED BRASS 90DEG STREET ELBOW, FXM
931-370201	1/8" LF RED BRASS 45DEG ELBOW, FXF
931-371601	3/8" LF RED BRASS 45DEG ELBOW, FXF
931-372001	1/2" LF RED BRASS 45DEG ELBOW, FXF
931-373001	3/4" LF RED BRASS 45DEG ELBOW, FXF
931-374001	1" LF RED BRASS 45DEG ELBOW, FXF
931-382001	1/2" LF RED BRASS 45DEG STREET ELBOW, FXM
931-383001	3/4" LF RED BRASS 45DEG STREET ELBOW, FXM
931-490201	1/8" LF RED BRASS CAP, FIP
931-491001	1/4" LF RED BRASS CAP, FIP
931-491601	3/8" LF RED BRASS CAP, FIP
931-492001	1/2" LF RED BRASS CAP, FIP
931-493001	3/4" LF RED BRASS CAP, FIP
931-494001	1" LF RED BRASS CAP, FIP
931-495001	1-1/4" LF RED BRASS CAP, FIP
931-496001	1-1/2" LF RED BRASS CAP, FIP
931-497001	2" LF RED BRASS CAP, FIP
931-501010	1/4" LF RED BRASS SQUARE HEAD SOLID PLUG, MIP
931-502001	1/2" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
931-503001	3/4" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
931-504001	1" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
931-505001	1-1/4" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
931-507001	2" LF RED BRASS SQUARE HEAD CORED PLUG, MIP
931-510201	1/8" LF RED BRASS HEX HEAD PLUG, MIP
931-511001	1/4" LF RED BRASS HEX HEAD PLUG, MIP

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Model Number	Description
931-511601	3/8" LF RED BRASS HEX HEAD PLUG, MIP
931-512001	1/2" LF RED BRASS HEX HEAD PLUG, MIP
931-513001	3/4" LF RED BRASS HEX HEAD PLUG, MIP
931-541601	3/8" LF RED BRASS UNION, FXF
931-542001	1/2" LF RED BRASS UNION, FXF
931-543001	3/4" LF RED BRASS UNION, FXF
931-544001	1" LF RED BRASS UNION, FXF
931-545001	1-1/4" LF RED BRASS UNION, FXF
931-546001	1-1/2" LF RED BRASS UNION, FXF
931-547001	2" LF RED BRASS UNION, FXF
931-56100201	1/4" X 1/8" LF RED BRASS ADAPTER, FXM
931-56161001	3/8" X 1/4" LF RED BRASS ADAPTER, FXM
931-562001	1/2" X 1/2" LF RED BRASS ADAPTER, FXM
931-610201	1/8" LF RED BRASS HEX NIPPLE, MXM
931-611001	1/4" LF RED BRASS HEX NIPPLE, MXM
931-611601	3/8" LF RED BRASS HEX NIPPLE, MXM
931-612001	1/2" LF RED BRASS HEX NIPPLE, MXM
931-613001	3/4" LF RED BRASS HEX NIPPLE, MXM
935-022.501	1/8" MIP X 2-1/2" LONG RED BRASS PIPE NIPPLE
935-02301	1/8" MIP X 3" LONG RED BRASS PIPE NIPPLE
935-02501	1/8" MIP X 5" LONG RED BRASS PIPE NIPPLE
935-16501	3/8" MIP X 5" LONG RED BRASS PIPE NIPPLE
935-16601	3/8" MIP X 6" LONG RED BRASS PIPE NIPPLE
935-20001	1/2" MIP X CLOSE RED BRASS PIPE NIPPLE
935-201.501	1/2" MIP X 1.5" LONG RED BRASS PIPE NIPPLE
935-202.501	1/2" MIP X 2.5" LONG RED BRASS PIPE NIPPLE
935-20201	1/2" MIP X 2" LONG RED BRASS PIPE NIPPLE
935-20401	1/2" MIP X 4" LONG RED BRASS PIPE NIPPLE
935-20601	1/2" MIP X 6" LONG RED BRASS PIPE NIPPLE

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Model Number	Description
935-30201	3/4" MIP X 2" LONG RED BRASS PIPE NIPPLE
935-304.501	3/4" MIP X 4.5" LONG RED BRASS PIPE NIPPLE
935-40201	1" MIP X 2" LONG RED BRASS PIPE NIPPLE
935-40301	1" MIP X 3" LONG RED BRASS PIPE NIPPLE
935-50401	1-1/4" MIP X 4" LONG RED BRASS PIPE NIPPLE
935-60601	1-1/2" MIP X 6" LONG RED BRASS PIPE NIPPLE
935-70401	2" MIP X 4" LONG RED BRASS PIPE NIPPLE

Smith-Cooper International, Inc.

Model Number	Description
34F 1003C/34F 3003C	3/8 45 ELBOW GAL
34F 1040C/34F 3040C	4 45 ELBOW GAL
34F 1050C	5 45 ELBOW GAL
34F 1004C/34F 3004C	1/2 45 ELBOW GAL
34F 1060C	6 45 ELBOW GAL
34F 1006C/34F 3006C	3/4 45 ELBOW GAL
34F 1010C/34F 3010C	1 45 ELBOW GAL
34F 1012C/34F 3012C	1 1/4 45 ELBOW GAL
34F 1014C/34F 3014C	1 1/2 45 ELBOW GAL
34F 1020C/34F 3020C	2 45 ELBOW GAL
34F 1001C	1/8 45 ELBOW GAL
34F 1024C/34F 3024C	2 1/2 45 ELBOW GAL
34F 1002C/34F 3002C	1/4 45 ELBOW GAL
34F 1030C/34F 3030C	3 45 ELBOW GAL
34SF1040C	4 STREET 45 GAL
34SF1004C	1/2 STREET 45 GAL

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Model Number	Description
34SF1006C	3/4 STREET 45 GAL
34SF1010C/34SF3010C	1 STREET 45 GAL
34SF1012C	1 1/4 STREET 45 GAL
34SF1014C/34SF3014C	1 1/2 STREET 45 GAL
34SF1020C	2 STREET 45 GAL
34SF1001C	1/8 STREET 45 GAL
34SF1024C	2 1/2 STREET 45 GAL
34SF1002C	1/4 STREET 45 GAL
34SF1030C	3 STREET 45 GAL
34OE1004C	1/2 SIDE OUTLET 90 GAL
34OE1006C	3/4 SIDE OUTLET 90 GAL
34OE1010C	1 SIDE OUTLET ELL GAL
34T 1003C/34T 3003C	3/8 TEE GAL
34T 1040C/34T 3040C	4 TEE GAL
34T 1050C	5 TEE GAL
34T 1004C/34T 3004C	1/2 TEE GAL
34T 1060C	6 TEE GAL
34T 1006C/34T 3006C	3/4 TEE GAL
34T 1010C/34T 3010C	1 TEE GAL
34T 1012C/34T 3012C	1 1/4 TEE GAL
34T 1014C/34T 3014C	1 1/2 TEE GAL
34T 1020C/34T 3020C	2 TEE GAL
34T 1001C	1/8 TEE GAL
34T 1024C/34T 3024C	2 1/2 TEE GAL
34T 1002C/34T 3002C	1/4 TEE GAL
34T 1030C/34T 3030C	3 TEE GAL
34RT1040014C	4 X1 1/2 R TEE GAL
34RT1040020C	4 X2 R TEE GAL
34RT1040024C/34RT3040024C	4 X2 1/2 R TEE GAL

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Model Number	Description
34RT1040030C/34RT3040030C	4 X3 R TEE GAL
34RT1004003C	1/2X3/8 R TEE GAL
34BT1004006C	1/2X3/4 BH TEE GAL
34BT1004010C	1/2X1 BH TEE GAL
34RT1004002C	1/2X1/4 R TEE GAL
34RT1004002004C	1/2X1/4X1/2 R TEE GAL
34RT1006003C	3/4X3/8 R TEE GAL
34RT1006004C/34RT3006004C	3/4X1/2 R TEE GAL
34RT1006004004C	3/4X1/2X1/2 R TEE GAL
34RT1006004006C	3/4X1/2X3/4 R TEE GAL
34BT1006010C	3/4X1 BH TEE GAL
34RT1006002C	3/4X1/4 R TEE GAL
34RT1010003C	1 X3/8 R TEE GAL
34RT1010004C/34RT3010004C	1 X1/2 R TEE GAL
34RT1010004004C	1 X1/2X1/2 R TEE GAL
34RT1010004006C	1 X1/2X3/4 R TEE GAL
34RT1010004010C	1 X1/2X 1 R TEE GAL
34RT1010006C/34RT3010006C	1 X3/4 R TEE GAL
34RT1010006004C	1 X3/4X1/2 R TEE GAL
34RT1010006006C	1 X3/4X3/4 R TEE GAL
34RT1010006010C	1 X3/4X 1 R TEE GAL
34BT1010012C	1 X1 1/4 BH TEE GAL
34BT1010014C	1 X1 1/2 BH TEE GAL
34BT1010020C	1 X2 BH TEE GAL
34RT1010002C	1 X1/4 R TEE GAL
34RT1012003C	1 1/4X3/8 R TEE GAL
34RT1012004C/34RT3012004C	1 1/4X1/2 R TEE GAL
34RT1012004010C	1 1/4X1/2X 1 R TEE GAL
34RT1012004012C	1 1/4X1/2X1 1/4 R TEE GAL

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Model Number	Description
34RT1012006C/34RT3012006C	1 1/4X3/4 R TEE GAL
34RT1012006004C	1 1/4X3/4X1/2 R TEE GAL
34RT1012006006C	1 1/4X3/4X3/4 R TEE GAL
34RT1012006010C	1 1/4X3/4X 1 R TEE GAL
34RT1012006012C	1 1/4X3/4X1 1/4 R TEE GAL
34RT1012010C/34RT3012010C	1 1/4X1 R TEE GAL
34RT1012010004C	1 1/4X 1X1/2 R TEE GAL
34RT1012010006C	1 1/4X 1X3/4 R TEE GAL
34RT1012010010C	1 1/4X 1X 1 R TEE GAL
34RT1012010012C	1 1/4X 1X1 1/4 R TEE GAL
34BT1012014C	1 1/4 X 1 1/2 BH TEE GAL
34BT1012020C	1 1/4 X 2 BH TEE GAL
34RT1014004C/34RT3014004C	1 1/2 X 1/2 R TEE GAL
34RT1014004006C	1 1/2 X 1/2 X 3/4 R TEE GAL
34RT1014004014C	1 1/2 X 1/2 X 1 1/2 R TEE GAL
34RT1014006C/34RT3014006C	1 1/2 X 3/4 R TEE GAL
34RT1014006004C	1 1/2 X 3/4 X 1/2 R TEE GAL
34RT1014006006C	1 1/2 X 3/4 X 3/4 R TEE GAL
34RT1014006010C	1 1/2 X 3/4 X 1 R TEE GAL
34RT1014006012C	1 1/2 X 3/4 X 1 1/4 R TEE GAL
34RT1014006014C	1 1/2 X 3/4 X 1 1/2 R TEE GAL
34RT1014010C/34RT3014010C	1 1/2 X 1 R TEE GAL
34RT1014010010C	1 1/2 X 1 X 1 R TEE GAL
34RT1014010012C	1 1/2 X 1 X 1 1/4 R TEE GAL
34RT1014010014C	1 1/2 X 1 X 1 1/2 R TEE GAL
34RT1014012004C	1 1/2 X 1 1/4 X 1/2 R TEE GAL
34RT1014012006C	1 1/2 X 1 1/4 X 3/4 R TEE GAL
34RT1014012010C	1 1/2 X 1 1/4 X 1 R TEE GAL
34RT1014012012C	1 1/2 X 1 1/4 X 1 1/4 R TEE

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Model Number	Description
34RT1014012014C	1 1/2 X 1 1/4 X 1 1/2 R TEE
34RT1014012020C	1 1/2 X 1 1/4 X 2 R TEE GAL
34BT1014020C	1 1/2 X 2 BH TEE GAL
34RT1020004C/34RT3020004C	2 X 1/2 R TEE GAL
34RT1020004020C	2 X 1/2 X 2 R TEE GAL
34RT1020006C/34RT3020006C	2 X 3/4 R TEE GAL
34RT1020006020C	2 X 3/4 X 2 R TEE GAL
34RT1020010C/34RT3020010C	2 X 1 R TEE GAL
34RT1020010010C	2 X 1 X 1 R TEE GAL
34RT1020010014C	2 X 1 X 1 1/2 R TEE GAL
34RT1020010020C	2 X 1 X 2 R TEE GAL
34RT1020012C/34RT3020012C	2 X 1 1/4 R TEE GAL
34RT1020012010C	2 X 1 1/4 X 1 R TEE GAL
34RT1020012012C	2 X 1 1/4 X 1 1/4 R TEE GAL
34RT1020012014C	2 X 1 1/4 X 1 1/2 R TEE GAL
34RT1020012020C	2 X 1 1/4 X 2 R TEE GAL
34RT1020014C/34RT3020014C	2 X 1 1/2 R TEE GAL
34RT1020014004C	2 X 1 1/2 X 1/2 R TEE GAL
34RT1020014006C	2 X 1 1/2 X 3/4 R TEE GAL
34RT1020014010C	2 X 1 1/2 X 1 R TEE GAL
34RT1020014012C	2 X 1 1/2 X 1 1/4 R TEE GAL
34RT1020014014C	2 X 1 1/2 X 1 1/2 R TEE GAL
34RT1020014020C	2 X 1 1/2 X 2 R TEE GAL
34BT1020024C	2 X 2 1/2 BH TEE GAL
34RT1024004C	2 1/2 X 1/2 R TEE GAL
34RT1024006C	2 1/2 X 3/4 R TEE GAL
34RT1024010C	2 1/2 X 1 R TEE GAL
34RT1024012C	2 1/2 X 1 1/4 R TEE GAL
34RT1024014C	2 1/2 X 1 1/2 R TEE GAL

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Model Number	Description
34RT1024014020C	2 1/2 X 1 1/2 x 2 R TEE GAL
34RT1024014024C	2 1/2 X 1 1/2 X 2 1/2 R TEE
34RT1024020C/34RT3024020C	2 1/2 X 2 R TEE GAL
34RT1024020020C	2 1/2 X 2 X 2 R TEE GAL
34RT1030006C	3 X 3/4 R TEE GAL
34RT1030010C	3 X 1 R TEE GAL
34RT1030012C	3 X 1 1/4 R TEE GAL
34RT1030014C	3 X 1 1/2 R TEE GAL
34RT1030020C/34RT3030020C	3 X 2 R TEE GAL
34RT1030020020C	3 X 2 X 2 R TEE GAL
34RT1030020030C	3 X 2 X 3 R TEE GAL
34RT1030024C	3 X 2 1/2 R TEE GAL
34ST1004C	1/2 SERVICE TEE GAL
34ST1006C	3/4 SERVICE TEE GAL
34ST1010C	1 SERVICE TEE GAL
34ST1012C	1 1/4 SERVICE TEE GAL
34ST1014C	1 1/2 SERVICE TEE GAL
34ST1020C	2 SERVICE TEE GAL
34ST1002C	1/4 SERVICE TEE GAL
34LT1003C	3/8 LATERAL GAL
34LT1040C	4 LATERAL GAL
34LT1004C	1/2 LATERAL GAL
34LT1006C	3/4 LATERAL GAL
34LT1010C	1 LATERAL GAL
34LT1012C	1 1/4 LATERAL GAL
34LT1014C	1 1/2 LATERAL GAL
34LT1020C	2 LATERAL GAL
34LT1024C	2 1/2 LATERAL GAL
34LT1030C	3 LATERAL GAL

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Model Number	Description
34X 1003C	3/8 CROSS GAL
34X 1040C	4 CROSS GAL
34X 1004C	1/2 CROSS GAL
34X 1006C/34X 3006C	3/4 CROSS GAL
34X 1010C/34X 3010C	1 CROSS GAL
34X 1012C/34X 3012C	1 1/4 CROSS GAL
34X 1014C/34X 3014C	1 1/2 CROSS GAL
34X 1020C	2 CROSS GAL
34X 1001C	1/8 CROSS GAL
34X 1024C	2 1/2 CROSS GAL
34X 1002C	1/4 CROSS GAL
34X 1030C/34X 3030C	3 CROSS GAL
34CP1003C/34CP3003C	3/8 COUPLING GAL
34CP1040C/34CP3040C	4 COUPLING GAL
34CP1004C/34CP3004C	1/2 COUPLING GAL
34CP1006C/34CP3006C	3/4 COUPLING GAL
34CP1010C/34CP3010C	1 COUPLING GAL
34CP1012C/34CP3012C	1 1/4 COUPLING GAL
34CP1014C/34CP3014C	1 1/2 COUPLING GAL
34CP1020C/34CP3020C	2 COUPLING GAL
34CP1001C	1/8 COUPLING GAL
34CP1024C/34CP3024C	2 1/2 COUPLING GAL
34CP1002C/34CP3002C	1/4 COUPLING GAL
34CP1030C/34CP3030C	3 COUPLING GAL
34RC1040020C	4 X 2 R COUPLING GAL
34RC1040030C/34RC3040030C	4 X 3 R COUPLING GAL
34RC1003001C	3/8 X 1/8 R COUPLING GAL
34RC1003002C/34RC3003002C	3/8 X 1/4 R COUPLING GAL
34RC1004003C/34RC3004003C	1/2 X 3/8 R COUPLING GAL

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Model Number	Description
34RC1004001C	1/2 X 1/8 R COUPLING GAL
34RC1004002C/34RC3004002C	1/2 X 1/4 R COUPLING GAL
34RC1006003C	3/4 X 3/8 R COUPLING GAL
34RC1006004C/34RC3006004C	3/4 X 1/2 R COUPLING GAL
34RC1006002C	3/4 X 1/4 R COUPLING GAL
34RC1010003C	1 X 3/8 R COUPLING GAL
34RC1010004C/34RC3010004C	1 X 1/2 R COUPLING GAL
34RC1010006C/34RC3010006C	1 X 3/4 R COUPLING GAL
34RC1010002C	1 X 1/4 R COUPLING GAL
34RC1012004C/34RC3012004C	1 1/4 X 1/2 R COUPLING GAL
34RC1012006C/34RC3012006C	1 1/4 X 3/4 R COUPLING GAL
34RC1012010C/34RC3012010C	1 1/4 X 1 R COUPLING GAL
34RC1014003C	1 1/2 X 3/8 R COUPLING GAL
34RC1014004C/34RC3014004C	1 1/2 X 1/2 R COUPLING GAL
34RC1014006C/34RC3014006C	1 1/2 X 3/4 R COUPLING GAL
34RC1014010C/34RC3014010C	1 1/2 X 1 R COUPLING GAL
34RC1014012C/34RC3014012C	1 1/2 X 1 1/4 R COUPLING GAL
34RC1020004C/34RC3020004C	2 X 1/2 R COUPLING GAL
34RC1020006C/34RC3020006C	2 X 3/4 R COUPLING GAL
34RC1020010C/34RC3020010C	2 X 1 R COUPLING GAL
34RC1020012C/34RC3020012C	2 X 1 1/4 R COUPLING GAL
34RC1020014C/34RC3020014C	2 X 1 1/2 R COUPLING GAL
34RC1024014C/34RC3024014C	2 1/2 X 1 1/2 R COUPLING GAL
34RC1024020C/34RC3024020C	2 1/2 X 2 R COUPLING GAL
34RC1030014C	3 X 1 1/2 R COUPLING GAL
34RC1030020C/34RC3030020C	3 X 2 R COUPLING GAL
34RC1030024C/34RC3030024C	3 X 2 1/2 R COUPLING GAL
34RC1002001C	1/4X 1/8 R COUPLING GAL
34HB1040030C	4 X 3 HEX BUSHING GAL

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Model Number	Description
34HB1003001C	3/8 X 1/8 HEX BUSHING GAL
34HB1003002C	3/8 X 1/4 HEX BUSHING GAL
34HB1050040C	5 X 4 HEXBUSHING GAL
34HB1060050C	6 X 5 HEX BUSHING GAL
34HB1004003C	1/2X3/8 HEX BUSHING GAL
34HB1004001C	1/2X1/8 HEX BUSHING GAL
34HB1004002C	1/2X1/4 HEX BUSHING GAL
34HB1006003C	3/4X3/8 HEX BUSHING GAL
34HB1006004C	3/4X1/2 HEX BUSHING GAL
34HB1006001C	3/4X1/8 HEX BUSHING GAL
34HB1006002C	3/4X1/4 HEX BUSHING GAL
34HB1010004C	1 X1/2 HEX BUSHING GAL
34HB1010006C	1 X3/4 HEX BUSHING GAL
34HB1012006C	1 1/4X3/4 HEX BUSHING GAL
34HB1012010C	1 1/4X1 HEX BUSHING GAL
34HB1014010C	1 1/2X1 HEX BUSHING GAL
34HB1014012C	1 1/2X1 1/4 HEX BUSH GAL
34HB1020012C	2 X1 1/4 HEX BUSHING GAL
34HB1020014C	2 X1 1/2 HEX BUSHING GAL
34HB1024014C	2 1/2X1 1/2 HEX BUSHING
34HB1024020C	2 1/2X2 HEX BUSHING GAL
34HB1030020C	3 X2 HEX BUSHING GAL
34HB1030024C	3 X2 1/2 HEX BUSHING GAL
34HB1002001C	1/4X1/8 HEX BUSHING GAL
34HB1034030C	3 1/2X3 HEX BUSHING GAL
34HB1040012C	4 X1 1/4 HEX BUSHING GAL
34HB1040014C	4 X1 1/2 HEX BUSHING GAL
34HB1010003C	1 X3/8 HEX BUSHING GAL
34HB1010001C	1 X1/8 HEX BUSHING GAL

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Model Number	Description
34HB1010002C	1 X1/4 HEX BUSHING GAL
34HB1012003C	1 1/4X3/8 HEX BUSHING GAL
34HB1012004C	1 1/4X1/2 HEX BUSHING GAL
34HB1012002C	1 1/4X1/4 HEX BUSHING GAL
34HB1014003C	1 1/2X3/8 HEX BUSHING GAL
34HB1014004C	1 1/2X1/2 HEX BUSHING GAL
34HB1014006C	1 1/2X3/4 HEX BUSHING GAL
34HB1014001C	1 1/2X1/8 HEX BUSHING GAL
34HB1014002C	1 1/2X1/4 HEX BUSHING GAL
34HB1020004C	2 X1/2 HEX BUSHING GAL
34HB1020006C	2 X3/4 HEX BUSHING GAL
34HB1020010C	2 X1 HEX BUSHING GAL
34HB1020002C	2 X1/4 HEX BUSHING GAL
34HB1024006C	2 1/2X3/4 HEX BUSHING GAL
34HB1024010C	2 1/2X1 HEX BUSHING GAL
34HB1024012C	2 1/2X1 1/4 HEX BUSHING
34HB1030004C	3 X1/2 HEX BUSHING GAL
34HB1030006C	3 X3/4 HEX BUSHING GAL
34HB1030010C	3 X1 HEX BUSHING GAL
34HB1030012C	3 X1 1/4 HEX BUSHING GAL
34HB1030014C	3 X1 1/2 HEX BUSHING GAL
34SP1003C	3/8 SQUARE PLUG GAL
34SP1040C	4 SQUARE PLUG GAL
34SP1004C	1/2 SQUARE PLUG GAL
34SP1006C	3/4 SQUARE PLUG GAL
34SP1010C	1 SQUARE PLUG GAL
34SP1012C	1 1/4 SQUARE PLUG GAL
34SP1014C	1 1/2 SQUARE PLUG GAL
34SP1020C	2 SQUARE PLUG GAL

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Model Number	Description
34SP1001C	1/8 SQUARE PLUG GAL
34SP1024C	2 1/2 SQUARE PLUG GAL
34SP1002C	1/4 SQUARE PLUG GAL
34SP1030C	3 SQUARE PLUG GAL
34BP1040C	4 BAR PLUG GAL
34BP1050C	5 BAR PLUG GAL
34BP1060C	6 BAR PLUG GAL
34C 1003C	3/8 CAP GAL
34C 1040C/34C 3040C	4 CAP GAL
34C 1050C	5 CAP GAL
34C 1004C/34C 3004C	1/2 CAP GAL
34C 1060C	6 CAP GAL
34C 1006C/34C 3006C	3/4 CAP GAL
34C 1010C/34C 3010C	1 CAP GAL
34C 1012C/34C 3012C	1 1/4 CAP GAL
34C 1014C/34C 3014C	1 1/2 CAP GAL
34C 1020C/34C 3020C	2 CAP GAL
34C 1001C	1/8 CAP GAL
34C 1024C/34C 3024C	2 1/2 CAP GAL
34C 1002C/34C 3002C	1/4 CAP GAL
34C 1030C/34C 3030C	3 CAP GAL
34FF1003C	3/8 FLOOR FLANGE GAL
34FF1004C	1/2 FLOOR FLANGE GAL
34FF1006C	3/4 FLOOR FLANGE GAL
34FF1010C	1 FLOOR FLANGE GAL
34FF1012C	1 1/4 FLOOR FLANGE GAL
34FF1014C	1 1/2 FLOOR FLANGE GAL
34FF1020C	2 FLOOR FLANGE GAL
34FF1002C	1/4 FLOOR FLANGE GAL

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Model Number	Description
34U 1003C/34U 3003C	3/8 UNION GAL
34U 1040C/34U 3040C	4 UNION GAL
34U 1004C/34U 3004C	1/2 UNION GAL
34U 1006C/34U 3006C	3/4 UNION GAL
34U 1010C/34U 3010C	1 UNION GAL
34U 1012C/34U 3012C	1 1/4 UNION GAL
34U 1014C/34U 3014C	1 1/2 UNION GAL
34U 1020C/34U 3020C	2 UNION GAL
34U 1001C	1/8 UNION GAL
34U 1024C/34U 3024C	2 1/2 UNION GAL
34U 1002C/34U 3002C	1/4 UNION GAL
34U 1030C/34U 3030C	3 UNION GAL
34EP1004C	1/2 EXTENSION PIECE GAL
34EP1006C	3/4 EXTENSION PIECE GAL
34EP1010C	1 EXTENSION PIECE GAL
34E 1003C/34E 3003C	3/8 90 ELBOW GAL
34E 1040C/34E 3040C	4 90 ELBOW GAL
34E 1050C	5 90 ELBOW GAL
34E 1004C/34E 3004C	1/2 90 ELBOW GAL
34E 1060C	6 90 ELBOW GAL
34E 1006C/34E 3006C	3/4 90 ELBOW GAL
34E 1010C/34E 3010C	1 90 ELBOW GAL
34E 1012C/34E 3012C	1 1/4 90 ELBOW GAL
34E 1014C/34E 3014C	1 1/2 90 ELBOW GAL
34E 1020C/34E 3020C	2 90 ELBOW GAL
34E 1001C	1/8 90 ELBOW GAL
34E 1024C/34E 3024C	2 1/2 90 ELBOW GAL
34E 1002C/34E 3002C	1/4 90 ELBOW GAL
34E 1030C/34E 3030C	3 90 ELBOW GAL

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Model Number	Description
34RE1040020C	4 X2 R 90 ELBOW GAL
34RE1040024C	4 X2 1/2 R 90 ELBOW GAL
34RE1040030C	4 X3 R 90 ELBOW GAL
34RE1003002C	3/8X1/4 R 90 ELBOW GAL
34RE1004003C/34RE3004003C	1/2X3/8 R 90 ELBOW GAL
34RE1004002C	1/2 X1/4 R 90 ELBOW GAL
34RE1006003C	3/4X3/8 R 90 ELBOW GAL
34RE1006004C	3/4X1/2 R 90 ELBOW GAL
34RE1010004C	1 X1/2 R 90 ELBOW GAL
34RE1010006C	1 X3/4 R 90 ELBOW GAL
34RE1012004C/34RE3012004C	1 1/4X1/2 R 90 ELBOW GAL
34RE1012006C	1 1/4X3/4 R 90 ELBOW GAL
34RE1012010C	1 1/4X1 R 90 ELBOW GAL
34RE1014004C	1 1/2X1/2 R 90 ELBOW GAL
34RE1014006C	1 1/2X3/4 R 90 ELBOW GAL
34RE1014010C	1 1/2X1 R 90 ELBOW GAL
34RE1014012C	1 1/2X1 1/4 R 90 ELBOW GAL
34RE1020004C	2 X1/2 R 90 ELBOW GAL
34RE1020006C	2 X3/4 R 90 ELBOW GAL
34RE1020010C	2 X1 R 90 ELBOW GAL
34RE1020012C	2 X1 1/4 R 90 ELBOW GAL
34RE1020014C	2 X1 1/2 R 90 ELBOW GAL
34RE1024014C	2 1/2X1 1/2 R 90 ELBOW GAL
34RE1024020C	2 1/2X2 R 90 ELBOW GAL
34RE1030010C	3 X1 R 90 ELBOW GAL
34RE1030014C	3 X1 1/2 R 90 ELBOW GAL
34RE1030020C	3 X2 R 90 ELBOW GAL
34RE1030024C	3 X2 1/2 R 90 ELBOW GAL
34SE1003C/34SE3003C	3/8 STREET 90 GAL

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Model Number	Description
34SE1040C	4 STREET 90 GAL
34SE1004C/34SE3004C	1/2 STREET 90 GAL
34SE1060C	6 STREET 90 GAL
34SE1006C/34SE3006C	3/4 STREET 90 GAL
34SE1010C/34SE3010C	1 STREET 90 GAL
34SE1012C/34SE3012C	1 1/4 STREET 90 GAL
34SE1014C/34SE3014C	1 1/2 STREET 90 GAL
34SE1020C/34SE3020C	2 STREET 90 GAL
34SE1001C	1/8 STREET 90 GAL
34SE1024C	2 1/2 STREET 90 GAL
34SE1002C/34SE3002C	1/4 STREET 90 GAL
34SE1030C/34SE3030C	3 STREET 90 GAL
34HB1040006C	4 x 3/4 Bushing
34HB1040010C	4 x 1 Bushing
34HB1040020C	4 x 2 Bushing
34HB1040024C	4 x 2-1/2 Bushing
34HB1050030C	5 x 3 Bushing
34HB1060040C	6X4" Bushings
34HB1060020C	6X2" Bushings
34HB1060030C	6X3" Bushings
34SP1050C	5 Plug, Sq. Hd.
34SP1060C	6 Plug, Sq. Hd.
34FF1024C	2-1/2 Flange
34FF1030C	3 Flange
34FF1040C	4 Flange
34RC1040010C	4 x 1 Reducing Coupling
34RC1040014C	4 x 1-1/2 Reducing Coupling
34RC1040024C	4 x 2-1/2 Reducing Coupling
34RC1050040C	5 x 4 Reducing Coupling

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Model Number	Description
34RC1060040C	6 x 4 Reducing Coupling
34RC1060050C	6 x 5 Reducing Coupling
34RC1060020C	6 x 2 Reducing Coupling
34RC1060030C	6 x 3 Reducing Coupling
34RC1006001C	3/4 x 1/8 Reducing Coupling
34RC1012003C	1-1/4 x 3/8 Reducing Coupling
34RC1014003C	1-1/2 x 3/8 Reducing Coupling
34RC1014002C	1-1/2 x 1/4 Reducing Coupling
34RC1020003C	2 x 3/8 Reducing Coupling
34RC1024006C	2-1/2 x 3/4 Reducing Coupling
34RC1024010C	2-1/2 x 1 Reducing Coupling
34RC1024012C	2-1/2 x 1-1/4 Reducing Coupling
34RC1030006C	3 x 3/4 Reducing Coupling
34RC1030010C	3 x 1 Reducing Coupling
34RC1030012C	3 x 1-1/4 Reducing Coupling
34RT1006004010C	3/4 x 1/2 x 1 Reducing Tee
34BT1006012C	3/4 x 3/4 x 1-1/4 Reducing Tee
34RT1014004004C	1-1/2 x 1/2 x 1/2 Reducing Tee
34RT1014004010C	1-1/2 x 1/2 x 1 Reducing Tee
34RT1014004012C	1-1/2 x 1/2 x 1-1/4 Reducing Tee
34RT1020010006C	2 x 1 x 3/4 Reducing Tee
34LN1001C	1/8 Locknuts
34LN1002C	1/4 Locknuts
34LN1003C	3/8 Locknuts
34LN1004C	1/2 Locknuts
34LN1006C	3/4 Locknuts
34LN1010C	1 Locknuts
34LN1012C	1-1/4 Locknuts
34LN1014C	1-1/2 Locknuts

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Model Number	Description
34LN1020C	2 Locknuts
34OT1004C	1/2 Side Outlet Tee
34OT1006C	3/4 Side Outlet Tee
34OT1010C	1 Side Outlet Tee
34RL1004C	1/2 Coupling R & L
34RL1006C	3/4 Coupling R & L
34RL1010C	1 Coupling R & L
34RL1012C	1-1/4 Coupling R & L
34RL1014C	1-1/2 Coupling R & L
34RL1020C	2 Coupling R & L
34RL1040C	4 Coupling R & L

Hot-Dipped Galvanized Steel Pipe Nipples

Model Number	Description
84NI4001-/84NI8001-	1/8" Steel Nipples Close to 144"
84NI4002-/84NI8002-	1/4" Steel Nipples Close to 144"
84NI4003-/84NI8003-	3/8" Steel Nipples Close to 144"
84NI4004-/84NI8004-	1/2" Steel Nipples Close to 144"
84NI4006-/84NI8006-	3/4" Steel Nipples Close to 144"
84NI4010-/84NI8010-	1" Steel Nipples Close to 144"
84NI4012-/84NI8012-	11/4" Steel Nipples Close to 144"
84NI4014-/84NI8014-	11/2" Steel Nipples Close to 144"
84NI4020-/84NI8020-	2" Steel Nipples Close to 144"
84NI4024-/84NI8024-	21/2" Steel Nipples Close to 144"
84NI4030-/84NI8030-	3" Steel Nipples Close to 144"
84NI4040-/84NI8040-	4" Steel Nipples Close to 144"
84NI4050-/84NI8050-	5" Steel Nipples Close to 144"
84NI4060-/84NI8060-	6" Steel Nipples Close to 144"

Steel Merchant Couplings

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Model Number
23MC4001/24MC4001/23HC4001
23MC4002/24MC4002/23HC4002
23MC4003/24MC4003/23HC4003
23MC4004/24MC4004/23HC4004
23MC4006/24MC4006/23HC4006
23MC4010/24MC4010/23HC4010
23MC4012/24MC4012/23HC4012
23MC4014/24MC4014/23HC4014
23MC4020/24MC4020/23HC4020
23MC4024/24MC4024/23HC4024
23MC4030/24MC4030/23HC4030
23MC4034/24MC4034/23HC4034
23MC4040/24MC4040/23HC4040
23MC4050/24MC4050/23HC4050
23MC4060/24MC4060/23HC4060

SPP (2019) LLC

Model Number	Size	Description
FOS&Y	2", 2.5", 3", 4", 5", 6", 8", 10", 12", 14", 16", 18", 20", 24"	DI FLGD GV, OS&Y, HANDWHEEL, AWWA C515
FMJNRS-P	4", 5", 6", 8", 10", 12"	DI MJxFLGD POST NRS GV, AWWA C515
MJNRS-P	4", 5", 6", 8", 10", 12"	DI MJ POST NRS GV, AWWA C515
FNRS-P	4", 5", 6", 8", 10", 12"	DI FLGD POST NRS GV, AWWA C515
FNRS-N	2", 2.5", 3", 4", 5", 6", 8", 10", 12", 14", 16", 18", 20", 24"	DI FLGD GV, NRS, STEM CAP, AWWA C515
FGOS&Y	2", 2.5", 3", 4", 5", 6", 8", 10", 12"	DI GV, FIGxGRV, OS&Y, HANDWHEEL,AWWA C515
FGNRS-W	2", 2.5", 3", 4", 5", 6", 8", 10", 12"	DI GV, FIGxGRV, NRS, STEM CAP, AWWA C515

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Model Number	Size	Description
GOS&Y	2", 2.5", 3", 4", 5", 6", 8", 10", 12"	DI GRVD GV, OS&Y, HANDWHEEL, AWWA C515
GNRS-N	2", 2.5", 3", 4", 5", 6", 8", 10", 12"	DI GRVD GV, NRS, STEM CAP, AWWA C515

TITAN FLOW CONTROL, INC.

TITAN

Model Number	Description
YS58-UL	Y-STRAINER-FLANGED END (1")
YS58-UL	Y-STRAINER-FLANGED END (1-1/4")
YS58-UL	Y-STRAINER-FLANGED END (1-1/2")
YS58-UL	Y-STRAINER-FLANGED END (2")
YS58-UL	Y-STRAINER-FLANGED END (2-1/2")
YS58-UL	Y-STRAINER-FLANGED END (3")
YS58-UL	Y-STRAINER-FLANGED END (4")
YS58-UL	Y-STRAINER-FLANGED END (5")
YS58-UL	Y-STRAINER-FLANGED END (6")
YS58-UL	Y-STRAINER-FLANGED END (8")
YS58-UL	Y-STRAINER-FLANGED END (10")
YS58-UL	Y-STRAINER-FLANGED END (12")
YS58-UL	Y-STRAINER-FLANGED END (14")
YS58-UL	Y-STRAINER-FLANGED END (16")
YS58-UL	Y-STRAINER-FLANGED END (18")
YS58-UL	Y-STRAINER-FLANGED END (20")
YS58-UL	Y-STRAINER-FLANGED END (24")
YS58G-UL	Y-STRAINER-GROOVED END (2")
YS58G-UL	Y-STRAINER-GROOVED END (2-1/2")
YS58G-UL	Y-STRAINER-GROOVED END (3")

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Model Number	Description
YS58G-UL	Y-STRAINER-GROOVED END (4")
YS58G-UL	Y-STRAINER-GROOVED END (5")
YS58G-UL	Y-STRAINER-GROOVED END (6")
YS58G-UL	Y-STRAINER-GROOVED END (8")
YS58G-UL	Y-STRAINER-GROOVED END (10")
YS58G-UL	Y-STRAINER-GROOVED END (12")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (2")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (2-1/2")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (3")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (4")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (5")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (6")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (8")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (10")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (12")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (14")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (16")
CV41-UL	CHECK VALVE-DOUBLE DISC RESILIENT SEAT WAFER (18")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (2")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (2-1/2")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (3")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (4")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (5")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (6")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (8")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (10")
CV31G-UL	CHECK VALVE-SWING DISC RESILIENT SEAT GROOVED END (12")
BF77G-UL	BUTTERFLY VALVE-GROOVED END
BF75-UL	BUTTERFLY VALVE-WAFER STYLE

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File Number: 6047

Product: Lead Free Plumbing Products

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Model Number	Description
BF76-UL	BUTTERFLY VALVE-LUG STULE
GVG-UL	GATE VALVE-OS&Y GROOVED END
GVF-UL	GATE VALVE-OS&Y FLANGED

WARD INTERNATIONAL

Hot-Dipped Galvanized Steel Pipe Nipples

Model Number	Description
1/8"	Dia 1/8", Length Close to 144"
1/4"	Dia 1/4", Length Close to 144"
3/8"	Dia 3/8", Length Close to 144"
1/2"	Dia 1/2", Length Close to 144"
3/4"	Dia 3/4", Length Close to 144"
1"	Dia 1", Length Close to 144"
1-1/4"	Dia 1 1/4", Length Close to 144"
1-1/2"	Dia 1 1/2", Length Close to 144"
2"	Dia 2", Length Close to 144"
2-1/2"	Dia 2 1/2", Length Close to 144"
3"	Dia 3", Length Close to 144"
4"	Dia 4", Length Close to 144"
5"	Dia 5", Length Close to 144"
6"	Dia 6", Length Close to 144"

Brass Pipe Nipples

Model Number	Description
1/8"	Dia 1/8", Length Close to 144"
1/4"	Dia 1/4", Length Close to 144"

CERTIFICATE OF LISTING

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Model Number	Description
3/8"	Dia 3/8", Length Close to 144"
1/2"	Dia 1/2", Length Close to 144"
3/4"	Dia 3/4", Length Close to 144"
1"	Dia 1", Length Close to 144"
1-1/4"	Dia 1 1/4", Length Close to 144"
1-1/2"	Dia 1 1/2", Length Close to 144"
2"	Dia 2", Length Close to 144"
2-1/2"	Dia 2 1/2", Length Close to 144"
3"	Dia 3", Length Close to 144"
4"	Dia 4", Length Close to 144"
6"	Dia 6", Length Close to 144"

Steel Merchant Couplings

Model Number
1/8"
1/4"
3/8"
1/2"
3/4"
1"
1-1/4"
1-1/2"
2"
2-1/2"
3"
3-1/2"
4"
5"
6"

IAPMO RESEARCH AND TESTING, INC.

CERTIFICATE OF LISTING

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