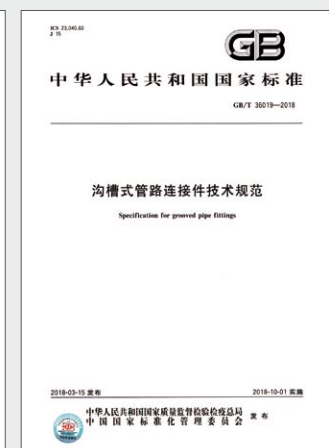
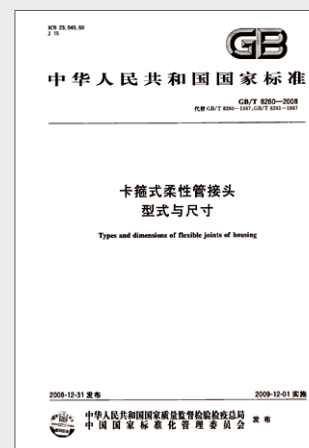
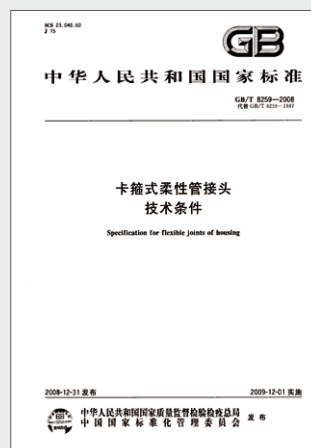
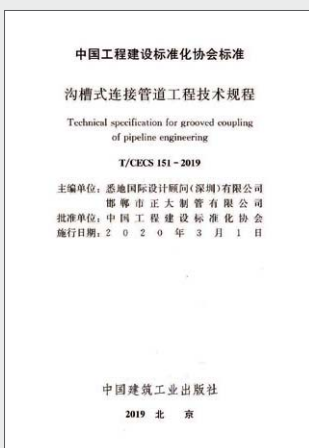
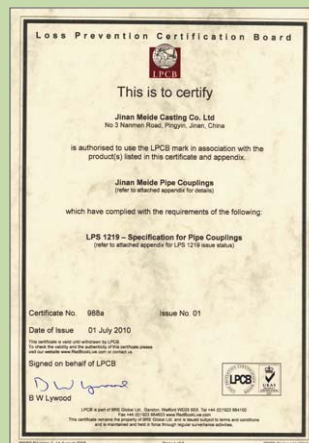
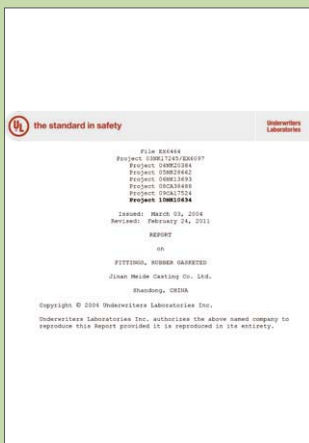
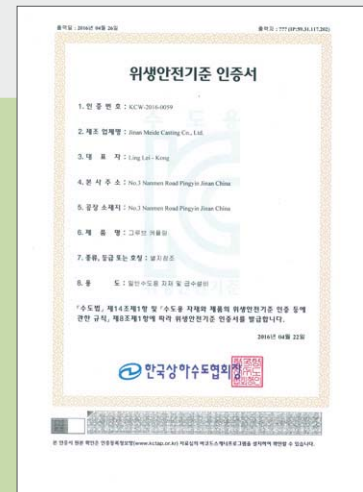
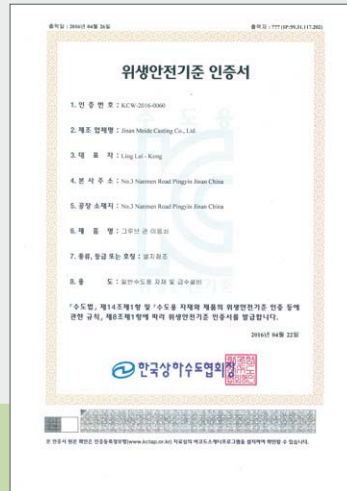






BUREAU VERITAS
Certification



JINAN MEIDE CASTING CO., LTD.

MEIDE SCIENCE AND TECHNOLOGY PARK, PINGYIN INDUSTRIAL PARK, JINAN
SHANDONG PROVINCE, CHINA

Unified social credit code: 91370124613225093N

Bureau Veritas Certification Holding SAS certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 9001:2015

Scope of certification

DESIGN AND PRODUCTION OF PLUMBING CONNECTERS, VALVES AND RELEVANT ACCESSORIES, DUCTILE IRON GROOVED FITTINGS AND COUPLINGS, FLEXIBLE SPRINKLER HOSE WITH THREADED END FITTINGS, MALLEABLE IRON & DUCTILE IRON INSULATOR CAPS & POWER LINES CASTINGS, VALVES FOR SPRINKLERS SYSTEM

Original cycle start date:	10-01-1997
Expiry date of previous cycle:	NA
Certification / Recertification audit date:	NA
Certification / Recertification cycle start date:	17-01-2021

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **29-05-2024**

Certificate No. : **CNBJ322301-A**

Version: **No.1**, Revision date: **17-01-2021**

Signed on behalf of BVCH SAS



Certification body address: 8 cours du Triangle, Puteaux 92800, France

Local office address: F22, Tower B, Beijing Global Trade Center, 36 North Third Ring Road East, Dongcheng District, Beijing, China. 100013

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: (+86 10 59683663)

Certified organisation has to accept and pass regular surveillance audits, then this certificate can be continuously valid. Information of this certificate may be obtained by visiting CNCA website (www.cnca.gov.cn).

BUREAU VERITAS
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JINAN MEIDE CASTING CO., LTD.

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SHANDONG PROVINCE, CHINA

Unified social credit code: 91370124613225093N

Bureau Veritas Certification Holding SAS certifies that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

ISO 14001:2015

Scope of certification

DESIGN AND PRODUCTION OF PLUMBING CONNECTERS, VALVES AND RELEVANT ACCESSORIES, DUCTILE IRON GROOVED FITTINGS AND COUPLINGS, FLEXIBLE SPRINKLER HOSE WITH THREADED END FITTINGS, MALLEABLE IRON & DUCTILE IRON INSULATOR CAPS & POWER LINES CASTINGS, VALVES FOR SPRINKLERS SYSTEM

Original cycle start date:	07-07-2010
Expiry date of previous cycle:	NA
Certification / Recertification audit date:	NA
Certification / Recertification cycle start date:	17-01-2021

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **10-03-2024**

Certificate No. : **CNBJ322300-A**

Version: **No.1**, Revision date: **17-01-2021**

Signed on behalf of BVCH SAS



Certification body address: 8 cours du Triangle, Puteaux 92800, France

Local office address: F22, Tower B, Beijing Global Trade Center, 36 North Third Ring Road East, Dongcheng District, Beijing, China. 100013

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation.

To check this certificate validity please call: (+86 10 59683663)

Certified organisation has to accept and pass regular surveillance audits, then this certificate can be continuously valid. Information of this certificate may be obtained by visiting CNCA website (www.cnca.gov.cn).

Pipe Fittings

These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

Pipe Fittings

Jinan Meide, Pipe Fittings

Product Specification

Model No	Description	End Connection	Nominal Pipe Size, in	Rated Working Pressure		Remarks
				psi	(kPa)	
1#	90° Bend	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
1#	90° Bend	Male BSP X Female BSP	6	300	(2065)	c
1#	90° Bend	Male BSP X Female BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
1#	90° Bend	Male BSP X Female BSP	6	450	(3100)	e
1A	90° Bend Short	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 4	500	(3445)	c
1A	90° Bend Short	Male BSP X Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
2#	90° Bend	Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
2#	90° Bend	Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
2A	90° Bend Short	Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
2A	90° Bend Short	Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
2AF	90° Bend Short	Female BSP	1/4, 1/2, 3/4, 1, 1 1/4, 1 1/2	500	(3445)	e
3#	90° Bend	Male BSP	1/2, 3/4, 1, 1 1/3, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c

3#	90° Bend	Male BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
40	45° Bend	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/3, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
40	45° Bend	Male BSP X Female BSP	6	300	(2065)	c
40	45° Bend	Male BSP X Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
40	45° Bend	Male BSP X Female BSP	6	450	(3100)	e
41	45° Bend	Female BSP	1/2, 3/4, 1, 1 1/3, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
41	45° Bend	Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
85	Crossover	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
85	Crossover	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
90	90° Elbow	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12	500	(3445)	b
90	90° Elbow	Grooved	76, 139.7, 165 mm	500	(3445)	b
90	90° Elbow	Grooved	1 76, 133 mm	500	(3445)	b
90	90° Elbow	Grooved	267.4, 318.5 mm	300	(2065)	b
90	90° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
90	90° Elbow	NPT	5, 6	300	(2065)	a
90	90° Elbow	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
90	90° Elbow	BSP	5, 6	300	(2065)	c
90	90° Elbow	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5	500	(3445)	e
90	90° Elbow	BSP	6	450	(3100)	e
90X	90° Elbow	Grooved	3, 4, 6, 10, 12 108, 133, 140, 159, 165 mm	300	(2065)	b
90C	90° Reducing Elbow	Grooved	114.3 x 88.9 x 33.7 mm 165.1 x 88.9 x 33.7 mm	300	(2065)	b
90R	90° Reducing Elbow	NPT	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4 x 3/8, 1/2, 3/4 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	a

90R	90° Reducing Elbow	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4 x 3/8, 1/2, 3/4 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	c
90R	90° Reducing Elbow	BSP	6 x 4	300	(2065)	c
90R	90° Reducing Elbow	BSP	3/8 x 1/4 1/2 x 1/4, 3/8 3/4 x 3/8, 1/2 1 x 3/8, 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/2, 2 3 x 1 1/2, 2, 2 1/2 4 x 2 1/2, 3	500	(3445)	e
90R	90° Reducing Elbow	Grooved	6 x 4 88.9 x 76.1 mm 114.3 x 76.1, 88.9 mm 165.1 x 114.3 mm	500	(3445)	b
90S	90° Short Radius Elbow	Grooved	2, 2 1/2, 3, 4, 5, 6, 8 76, 139.1, 165mm	300	(2065)	b
90S	90° Short Radius Elbow	Grooved	108, 159, 216.3 mm	300	(2065)	b
90S	90° Short Radius Elbow	Grooved	114, 165 mm	365	(2515)	b
90U	Return Bend	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
91R	90° Reducing Elbow	Grooved x NPT	42.4 x 21.3, 26.7, 33.7 mm 48.3 x 21.3, 26.7, 33.7 mm 60.3 x 21.3, 26.7, 33.7 mm 73 x 21.3, 26.7, 33.7 mm 88.9 x 26.7, 33.7 mm	500	(3445)	b
91R	90° Reducing Elbow	Grooved x BSP	42.4 x 21.3, 26.7, 33.7 mm 48.3 x 21.3, 26.7, 33.7 mm 60.3 x 21.3, 26.7, 33.7 mm 73 x 21.3, 26.7, 33.7 mm 88.9 x 26.7, 33.7 mm	500	(3445)	b
92	90° Street Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 1/2, 3, 4	500	(3445)	a
92	90° Street Elbow	NPT	6	300	(2065)	a
92	90° Street Elbow	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 1/2, 3, 4	500	(3445)	c
92	90° Street Elbow	BSP	6	300	(2065)	c
92	90° Street Elbow	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
92R	90° Reducing Street Elbow	BSP	3/4 x 1/2 1 x 3/4	500	(3445)	c
92R	90° Reducing Street Elbow	BSP	1/2 x 3/8 3/4 x 3/8, 1/2, 1 1 x 3/4 1 1/4 x 1 1 1/2 x 1, 1 1/4	500	(3445)	e

94	90° Elbow	Male BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
95	Union Elbow, Flat Seat without gasket	Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
95	Union Elbow, Flat Seat without gasket	Female BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
95D	Union Elbow, Flat Seat with gasket	Female BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
96	Union Elbow, Conical Joint Iron to Iron	Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
96	Union Elbow, Conical Joint Iron to Iron	Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
97	Union Elbow, Flat Seat without gasket	Male BSP X Female BSP	1 1/2	500	(3445)	c
97	Union Elbow, Flat Seat without gasket	Male BSP X Female BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
98	Union Elbow, Conical Joint Iron to Iron	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
98	Union Elbow, Conical Joint Iron to Iron	Male BSP X Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
105	11.25° Elbow	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 6 76.1, 108, 139.7, 159, 165.1 mm	500	(3445)	b
105	11.25° Elbow	Grooved	8	300	(2065)	b
110	22.5° Elbow	Grooved	1 1/4, 1 1/2, 2, 3, 4, 6 73, 76.1, 108, 139.7, 159, 165.1 mm	500	(3445)	b
110	22.5° Elbow	Grooved	8	300	(2065)	b
110X	22.5° Elbow	Grooved	4 159, 165 mm	300	(2065)	b
120	45° Elbow	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500	(3445)	b
120	45° Elbow	Grooved	1 108, 133, 139.7, 159 mm	500	(3445)	b
120	45° Elbow	Grooved	216.3, 267.4, 318.5 mm	300	(2065)	b
120	45° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
120	45° Elbow	NPT	5, 6	300	(2065)	a
120	45° Elbow	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
120	45° Elbow	BSP	5, 6	300	(2065)	c
120	45° Elbow	BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
120	45° Elbow	BSP	6	450	(3100)	e
120X	45° Elbow	Grooved	3, 4, 6, 8, 10 108, 140, 159, 165 mm	300	(2065)	b
121	45° Street Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a

121	45° Street Elbow	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 1/2, 3, 4	500	(3445)	c
121	45° Street Elbow	BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
130	Equal Tee	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76/1. 165 mm	500	(3445)	b
130	Equal Tee	Grooved	1 76, 133, 139.7 mm	500	(3445)	b
130	Equal Tee	Grooved	267.4 mm	300	(2065)	b
130	Equal Tee	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 1/2, 3, 4	500	(3445)	a
130	Equal Tee	NPT	5, 6	300	(2065)	a
130	Equal Tee	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 1/2, 3, 4	500	(3445)	c
130	Equal Tee	BSP	5, 6	300	(2065)	c
130X	Equal Tee	Grooved	3, 4, 6, 8, 10, 12 108, 133, 140, 159, 165 mm	300	(2065)	b
130C	Reducing Tee	Grooved	114.3 x 88.9 x 33.7 mm 165.1 x 88.9 x 33.7 mm	300	(2065)	b
130D	Reducing Tee	Grooved	114.3 x 88.9 x 33.7 mm 165.1 x 88.9 x 33.7 mm	300	(2065)	b
130R	Reducing Tee	Grooved	2 x 1 1/2 3 x 1, 1 1/2, 2, 2 1/2 4 x 1, 2, 2 1/2, 3 5 x 1 1/2, 2, 2 1/2, 3, 4 6 x 2, 2 1/2, 3, 4, 5 8 x 2, 3, 4, 5, 6	500	(3445)	b
130R	Reducing Tee	Grooved	2 x 1 2 1/2 x 1 1/2, 2 3 x 1 1/4 4 x 1 1/2 60 x 48 mm 76.1 x 42.4, 48.3, 60.3 mm 88.9 x 48, 60, 73, 76.1 mm 108 x 60.3, 73, 88.9 mm 114.3 x 34, 60, 73, 76.1, 88.9 mm 133 x 60.3, 76.1, 108, 114.3 mm 139.7 x 48.3, 60.3, 76.1, 88.9, 114.3 141 x 114.3 mm 159 x 60.3, 76.1, 88.9, 114.3, 133 mm 168 x 60, 73, 89, 114, 141 mm	500	(3445)	b
130R	Reducing Tee	Grooved	10 x 6, 8 12 x 8, 10 165.1 x 60.3, 76.1, 88.9, 114.3, 133, 139.7, 159 mm 168.3 x 76.1, 139.7 mm 216.3 x 114.3, 165.1 mm 219.1 x 60, 73, 76.1, 89, 108, 114.3, 133, 139.7, 141.3, 159, 165.1, 168 mm 273 x 165.1 mm 323.9 x 165.1, 168.3 mm	300	(2065)	b

130R	Reducing Tee	NPT	1/2 x 1/2 x 1/4, 3/8 1/2 x 1/4 x 1/2 1/2 x 3/8 x 1/2 3/4 x 3/4 x 1/4, 3/8, 1/2 3/4 x 1/2 x 1/2 x 3/4 1 x 1 x 1/4, 3/8, 1/2, 3/4 1 x 1/2 x 1/2, 3/4, 1 1 x 3/4 x 1/2, 3/4, 1 1 1/4 x 1/2 x 1/2, 3/4, 1, 1 1/4 1 1/4 x 3/4 x 3/4, 1, 1 1/4 1 1/4 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/4 x 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 1/2 x 3/4, 1 1/2 1 1/2 x 3/4 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2 x 1 1/4 x 1/2, 3/4, 1, 1 1/4 1/4, 1 1/2, 2 1 1/2 x 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2 x 2 2 x 3/4 x 2 2 x 1 x 1, 1 1/2, 2 2 x 1 1/4 x 1, 1 1/4, 1 1/2, 2 2 x 1 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 x 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1 1/2 x 2, 2 1/2 2 1/2 x 2 x 2, 2 1/2 2 1/2 x 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 2 x 2, 3 3 x 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	a
130R	Reducing Tee	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 3/8, 1/2, 3/4, 1, 1 1/4 2 x 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 3/4, 1/2, 1, 1 1/4, 1 1/2, 2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 1/2 x 1/2 x 3/4, 1 3/4 x 3/4 x 1, 1 1/4 1 x 1 x 1 1/4 x 1 1/2, 2, 2 1/2 1 1/4 x 1 1/4 x 1 1/2, 2 1 1/2 x 1 1/2 x 2, 2 1/2 2 x 2 x 2 1/2 2 1/2 x 2 1/2 x 3, 4 3/4, 1 x 1/2 x 1/2 1 1/4, 1 1/2 x 3/4 x 3/4 1 1/4 x 1/2 x 1/2 1 1/4, 1 1/2, 2 x 1 x 1 1 1/2, 2 x 1 1/4 x 1 1/4 2 x 1 1/2 x 1 1/2 2 1/2, 3 x 2 x 2 3/4 x 1/2 x 3/4 1 x 1/2 x 1, 1 x 3/4 x 1, 1 x 1/4 x 1 1 1/4 x 1/2 x 1 1/4, 1 1/4, 1 1/4	500	(3445)	c

			$\frac{3}{4} \times \frac{1}{4}$, $1 \frac{1}{4} \times 1 \times 1 \frac{1}{4}$ $1 \frac{1}{2} \times \frac{1}{2} \times 1 \frac{1}{2}$, $1 \frac{1}{2} \times \frac{3}{4}$ $\times 1 \frac{1}{2}$, $1 \frac{1}{2} \times 1 \times 1 \frac{1}{2}$, $1 \frac{1}{2}$ $\times 1 \frac{1}{4} \times 1 \frac{1}{2}$ $2 \times \frac{1}{2} \times 2$, $2 \times \frac{3}{4} \times 2$, $2 \times 1 \times 2$, $2 \times 1 \frac{1}{4} \times 2$, $2 \times 1 \frac{1}{2} \times 2$ $2 \frac{1}{2} \times 1 \frac{1}{2} \times 2 \frac{1}{2}$, $2 \frac{1}{2} \times 2 \times 2 \frac{1}{2}$ $\frac{3}{4} \times \frac{1}{2} \times 1$, $1 \times \frac{1}{2} \times \frac{3}{4}$, $1 \times \frac{3}{4} \times \frac{1}{2}$ $1 \frac{1}{4} \times \frac{1}{2} \times \frac{3}{4}$, 1 $1 \frac{1}{4} \times \frac{3}{4} \times \frac{1}{2}$, 1 $1 \frac{1}{4} \times 1 \times \frac{1}{2}$, $\frac{3}{4}$ $1 \frac{1}{2} \times \frac{3}{4} \times 1$, $1 \frac{1}{4}$ $1 \frac{1}{2} \times 1 \times \frac{1}{2}$, $1 \frac{1}{4}$ $1 \frac{1}{2} \times 1 \frac{1}{4} \times \frac{1}{2}$, $\frac{3}{4}$, 2 $2 \times 1 \times 1 \frac{1}{2}$ $2 \times 1 \frac{1}{4} \times 1$, $1 \frac{1}{2} \times 1 \frac{1}{2} \times \frac{3}{4}$, 1 , $1 \frac{1}{4}$ $2 \frac{1}{2} \times 2 \times \frac{1}{2}$, 1 , $1 \frac{1}{4}$			
130R	Reducing Tee	BSP	6 x 2, 3, 4	300	(2065)	c
130R	Reducing Tee	BSP	$\frac{3}{8} \times \frac{3}{8} \times \frac{1}{4}$, $\frac{1}{2}$ $\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$, $\frac{1}{2}$ $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{4}$, $\frac{3}{8}$, $\frac{3}{4}$, 1 $\frac{3}{4} \times \frac{3}{8} \times \frac{3}{4}$ $\frac{3}{4} \times \frac{1}{2} \times \frac{1}{2}$, $\frac{3}{4}$, 1 $\frac{3}{4} \times \frac{3}{4} \times \frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, 1 $1 \times \frac{3}{8} \times 1$ $1 \times \frac{1}{2} \times \frac{1}{2}$, $\frac{3}{4}$, 1 $1 \times \frac{3}{4} \times \frac{1}{2}$, $\frac{3}{4}$, 1 $1 \times 1 \times \frac{1}{4}$, $\frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, $1 \frac{1}{4}$, $1 \frac{1}{2}$ $1 \frac{1}{4} \times \frac{1}{2} \times \frac{3}{4}$, 1 , $1 \frac{1}{4}$ $1 \frac{1}{4} \times \frac{3}{4} \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$ $1 \frac{1}{4} \times 1 \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$ $1 \frac{1}{4} \times 1 \frac{1}{4} \times \frac{3}{8}$, $\frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{2}$, 2 $1 \frac{1}{2} \times \frac{1}{2} \times 1$, $1 \frac{1}{4}$, $1 \frac{1}{2}$ $1 \frac{1}{2} \times \frac{3}{4} \times 1$, $1 \frac{1}{4}$, $1 \frac{1}{2}$ $1 \frac{1}{2} \times 1 \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$ $1 \frac{1}{2} \times 1 \frac{1}{4} \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 $2 \times \frac{1}{2} \times 1 \frac{1}{2}$, 2 $2 \times \frac{3}{4} \times 1 \frac{1}{2}$, 2 $2 \times 1 \times 1 \frac{1}{2}$, 2 $2 \times 1 \frac{1}{4} \times 1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 $2 \times 1 \frac{1}{2} \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 $2 \times 2 \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$ $2 \frac{1}{2} \times 2 \times 2$ $2 \frac{1}{2} \times 2 \frac{1}{2} \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 $3 \times 2 \times 2$ $3 \times 3 \times \frac{1}{2}$, $\frac{3}{4}$, 1 , $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 , $2 \frac{1}{2}$ $4 \times 4 \times 1$, $1 \frac{1}{4}$, $1 \frac{1}{2}$, 2 , $2 \frac{1}{2}$, 3 $5 \times 5 \times 4$	500	(3445)	e
130R	Reducing Tee	BSP	6 x 6 x 4	450	(3100)	e

130R	Bullhead Tee	NPT	3/8 x 3/8 x 1/2 1/2 x 1/2 x 3/4, 1 3/4 x 3/4 x 1 1 x 1 x 1 1/4, 1 1/2, 2 1 1/4 x 1 1/4 x 1 1/2, 2 1 1/2 x 1 1/2 x 2 2 x 2 x 2 1/2	500	(3445)	a
130RX	Reducing Tee	Grooved	3 x 2 1/2 3 x 76 mm 4 x 2, 2 1/2, 3 5 x 4 6 x 2, 2 1/2, 3, 4, 5 6 x 76, 140 mm 8 x 3, 4, 6 8 x 76, 140, 159, 165 mm 10 x 6, 8 10 x 159, 165 mm 12 x 4, 8, 10 12 x 159 165 mm 140 mm x 4 159 mm x 3, 4 159 mm x 108, 133 mm 165 mm x 2, 3, 4 165 mm x 76, 140 mm	300	(2065)	b
130S	Short Radius Tee	Grooved	2, 2 1/2, 3, 4, 5, 6, 8 76, 139.7, 165 mm	300	(2065)	b
130S	Short Radius Tee	Grooved	108, 159, 216.3 mm	300	(2065)	b
130S	Short Radius Tee	Grooved	114, 165 mm	365	(2515)	b
131	Equal Tee	Grooved	3, 4, 6	300	(2065)	b
131	Equal Tee	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
131	Equal Tee	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
131R	Reducing Tee	Grooved	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 3 6 x 2, 3 8 x 2, 3, 4 76.1 x 33.7, 42.4, 48.3, 60.3 mm 88.9 x 76.1 mm 108 x 60.3, 76.1, 88.9 mm 114.3 x 76.1 mm 133 x 60.3, 76.1, 88.9 mm 139.7 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9 mm 159 x 60.3, 76.1, 88.9 mm 165.1 x 33.7, 42.4, 48.3, 60.3, 76.1, 88.9, 114.3 mm 168.3 x 76.1 mm 219.1 x 76.1 mm	300	(2065)	b
131RX	Reducing Tee	NPT	2 x 1, 1 1/2 2 1/2 x 1 1/2, 2 3 x 1, 1 1/2, 2 4 x 2, 3 4 x 76 mm 6 x 2, 3, 4 6 x 76 mm 8 x 4 8 x 76 mm 76 mm x 1 1/2, 2 108 mm x 76 165 mm x 2. 3. 4	300	(2065)	b

			165 mm x 76 mm			
131RX	Reducing Tee	BSP	2 x 1, 1 1/2 2 1/2 x 1 1/2, 2 3 x 1, 1 1/2, 2 4 x 2, 3 4 x 76 mm 6 x 2, 3, 4 6 x 76 mm 8 x 4 8 x 76 mm 76 mm x 1 1/2, 2 108 mm x 76 165 mm x 2, 3, 4 165 mm x 76 mm	300	(2065)	b
132	Twin Elbow	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
133	Equal Tee	Female BSP X Female BSP X Male BSP	3/8, 1/2, 3/4, 1	500	(3445)	e
134	Service Tee	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	a
134	Service Tee	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
134	Service Tee	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
134R	Service Tee Reducing	BSP	2 x 1 1/2 2 1/2 x 2 3 x 2 1/2	500	(3445)	c
135	Equal Tee	Male BSP	1/2, 3/4, 1	500	(3445)	e
165	Lateral Y Branch	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
165	Lateral Y Branch	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
165	Lateral Y Branch	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
180	Equal Cross	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500	(3445)	b
180	Equal Cross	Grooved	60, 73, 76, 89, 108, 114, 139.7, 141, 159, 165, 168 mm	500	(3445)	b
180	Equal Cross	Grooved	219 mm	300	(2065)	b
180	Equal Cross	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
180	Equal Cross	NPT	5, 6	300	(2065)	a
180	Equal Cross	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
180	Equal Cross	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
180X	Equal Cross	Grooved	6, 8 159, 165mm	300	(2065)	b
180R	Reducing Cross	Grooved	3 x 2 4 x 2, 3 8 x 2, 4 76.1 x 60.3 mm 139.7 x 114.3 mm 159 x 114.3 mm 165.1 x 60.3, 76.1, 88.9, 114.3 mm	500	(3445)	b

180R	Reducing Cross	Grooved	219.1, 139.7, 159, 165.1 mm	300	(2065)	b
180R	Reducing Cross	NPT	3/4 x 1/2 1 x 3/4 1 1/4 x 3/4, 1 1 1/2 x 3/4, 1, 1 1/4 2 x 3/4, 1, 1 1/4, 1 1/2 2 x 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2, 2, 2 1/2 4 x 2 1/2, 3	500	(3445)	a
180R	Reducing Cross	BSP	3/4 x 1/2 1 1/2 x 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 3/4, 1, 1 1/4, 1 1/2 2 x 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 3/4, 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	c
180R	Reducing Cross	BSP	3/4 x 1/2, 1 x 1/2	500	(3445)	e
180RX	Reducing Cross	Grooved	6 x 4 8 x 6 165 mm x 114 mm 219 mm x 165 mm	300	(2065)	b
181	Reducing Cross	Grooved	3 x 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 3 4 x 76.1 mm 76.1 x 60.3 mm 165.1 x 48.3, 60.3 mm	300	(2065)	b
181RX	Reducing Cross	NPT	165 mm x 89 mm	300	(2065)	b
181RX	Reducing Cross	BSP	165 mm x 89 mm	300	(2065)	b
220	Coupling	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
220	Coupling	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
220	Coupling	BSP	5, 6	300	(2065)	c
230	Eccentric Reducer	Grooved	4 x 2, 3 6 x 3, 4 8 x 4, 6 88.9 x 60.3 mm 108 x 76.1, 88.9 mm 114.3 x 76.1 mm 139.7 x 114.3 mm 159 x 108, 114.3 mm 165.1 x 88.9, 114.3, 139.7 mm 168.3 x 139.7, 141.3 mm 219.1 x 159, 165.1 mm	300	(2065)	b
230	Eccentric Reducer	Grooved	219 x 168 mm 273 x 219 mm	365	(2515)	b
230N	Eccentric Reducer	Grooved x Female NPT	108 x 76.1 mm 114.3 x 76.1 mm 139.7 x 88.9 mm 165.1 x 88.9 mm	300	(2065)	b
240	Reducing Socket	NPT	1/2 x 3/8 3/4 x 3/8, 1/2 1 x 3/8, 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1 1/2, 2 3 x 1 1/2, 2, 2 1/2	500	(3445)	a

			4 x 2, 3			
240	Reducing Socket	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1 1/4 x 1/4, 3/8, 1/2, 3/4, 1 1 1/2 x 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	c
240	Reducing Socket	BSP	1/4 x 1/8 3/8 x 1/8, 1/4 1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 3/8, 1/2, 3/4 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 1, 1 1/4, 1 1/2 4 x 1 1/2, 2, 2 1/2, 3	500	(3445)	e
240	Concentric Reducer	Grooved	2 x 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 3/4, 1, 1 1/2, 2, 2 1/2 4 x 1, 1 1/2, 2, 2 1/2, 3 5 x 3, 4 6 x 1, 2, 2 1/2, 3, 4, 5 8 x 2 1/2, 3, 4, 5, 6	500	(3445)	b
240	Concentric Reducer	Grooved	1 1/4 x 1 1 1/2 x 1, 1 1/2 4 x 1 1/4 5 x 2 1/2 76 x 34, 42, 48, 60 mm 89 x 42, 76 mm 108 x 60.3, 73, 76, 89 mm 114.3 x 76.1 mm 133 x 108, 114.3 mm 139.7 x 60.3, 76.1, 88.9, 114.3 mm 141 x 76, 89, 114 mm 159 x 60.3, 76.1, 88.9, 108, 114.3, 133 mm 165.1 x 60.3, 76.1, 88.9, 108, 114.3, 139.7 mm 168.3 x 76.1, 139.7 mm	500	(3445)	b
240	Concentric Reducer	Grooved	216.3 x 114.3, 165.1 mm 219.1 x 108, 139.7, 159, 165.1 mm 273 x 159, 165.1, 168.3, 219.1 mm 322.9 x 219.1, 273 mm	300	(2065)	b
240X	Concentric Reducer	Grooved	4 x 3 6 x 4 8 x 4 10 x 4, 8 12 x 4 114 mm x 76 mm 140 mm x 114 mm 159 mm x 108, 114 mm 165 mm x 89, 114, 140 mm 168 mm x 140 mm 219 mm x 133, 165 mm	300	(2065)	b

			324 mm x 159, 165 mm			
240N	Reducing Socket	NPT	1 x 3/4	300	(2065)	c
240N	Concentric Reducer	Grooved x Female NPT	1 x 1/2 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 3/4, 1, 1 1/2, 1 1/4, 2, 2 1/2 4 x 1, 1 1/2, 1 1/4, 2, 2 1/2, 3 5 x 3, 4 6 x 2, 2 1/2, 3, 4, 5 8 x 2 1/2, 3, 4, 5, 6	500	(3445)	b
240N	Concentric Reducer	Grooved x Female NPT	4 x 1/2, 3/4, 1 1/2 8 x 1 1/2, 2 76 x 21, 27, 34, 42, 48, 60 mm 89 x 21, 76 mm 108 x 34, 42, 48, 60, 76, 89 mm 114 x 76 mm 133 x 48, 60, 76, 89 mm 139.7 x 27, 34, 42, 48, 60, 76, 89, 114 mm 141.3 x 89, 114 mm 159 x 27, 34, 42, 48, 60, 76, 89, 114 mm 165 x 21, 27, 34, 42, 48, 60, 76, 89, 114 mm 219 x 76 mm	500	(3445)	b
240NX	Concentric Reducer	NPT	3 x 2 4 x 1 1/2, 2, 3 4 x 76 mm 8 x 1 76 mm x 60 mm 89 mm x 76 mm 108 mm x 76, 89 mm 159 mm x 89, 114 mm 165 mm x 60, 76, 89, 114 mm	300	(2065)	b
240NX	Concentric Reducer	BSP	3 x 2 4 x 1 1/2, 2, 3 4 x 76 mm 8 x 1 76 mm x 60 mm 89 mm x 76 mm 108 mm x 76, 89 mm 159 mm x 89, 114 mm 165 mm x 60, 76, 89, 114 mm	300	(2065)	b
240W	Concentric Reducer	Grooved x NPT	2 x 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2, 2 3 x 3/4, 1, 1 1/2, 2, 2 1/2 4 x 1, 1 1/2, 2, 2 1/2, 3 5 x 3, 4 6 x 2, 2 1/2, 3, 4, 5 8 x 2 1/2, 3, 4, 5, 6	500	(3445)	b
240W	Concentric Reducer	Grooved x NPT	76 x 60 mm 89 x 76	500	(3445)	b
241	Bushing	NPT	1/2 x 1/4, 3/8 3/4 x 3/8, 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 3/8, 1/2, 3/4, 1, 1 1/4 2 x 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	a

			3 1/2 x 2 1/2, 3 4 x 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2			
241	Bushing	NPT	5 x 2, 3, 4 6 x 2, 2 1/2, 3, 3 1/2, 4, 5	300	(2065)	a
241	Bushing	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1 1/4 x 1/4, 3/8, 1/2, 3/4, 1 1 1/2 x 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 2 x 1/4, 3/8, 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1 1/2, 2 3 x 2, 2 1/2 3 1/2 x 3 4 x 3/4, 1, 1 1/4, 1 1/2, 3	500	(3445)	c
241	Bushing	BSP	5 x 3, 4 6 x 2, 2 1/2, 5	300	(2065)	c
241	Bushing	BSP	1/4 x 1/8 3/8 x 1/8, 1/4 1/2 x 1/8, 1/4, 3/8 3/4 x 1/8, 1/4, 3/8, 1/2 1 x 1/4, 3/8, 1/2, 3/4 1 1/4 x 3/8, 1/2, 3/4, 1 1 1/2 x 1/4, 3/8, 1/2, 3/4, 1, 1 1/4 2 x 1, 1 1/4, 1 1/2 2 1/2 x 1/2, 3/4, 1 1/2, 2 3 x 1/2, 2, 2 1/2 4 x 1, 1 1/4, 1 1/2, 2, 3 5 x 4	500	(3445)	e
241	Bushing	BSP	6 x 5	450	(3100)	e
241D	Bushing	BSP	2 x 1/2, 3/4 2 1/2 x 1, 1 1/4 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2 4 x 2, 2 1/2	500	(3445)	c
241D	Bushing	BSP	6 x 3, 4	300	(2065)	c
241D	Bushing	BSP	1 x 1/2 2 x 1/2, 3/4 2 1/2 x 1, 1 1/4 3 x 1/2, 3/4, 1, 1 1/4, 1 1/2 4 x 2, 2 1/2	500	(3445)	e
241D	Bushing	BSP	6 x 3, 4	450	(3100)	e
245	Hex Nipple Reducing	BSP	1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2 3 x 1 1/2, 2, 2 1/2 4 x 2, 4 x 2 1/2, 4 x 3	500	(3445)	c
245	Hex Nipple Reducing	BSP	1/4 x 1/8 3/8 x 1/8, 1/4 1/2 x 1/4, 3/8 3/4 x 1/4, 3/8, 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2	500	(3445)	e

			3 x 1 1/2, 2, 2 1/2 4 x 2, 2 1/2, 3			
246	Extension Reducing	Male BSP X Female BSP	1/2 x 1/4, 3/8 3/4 x 3/8, 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2, 3/4, 1, 1 1/4 2 x 1, 1 1/4, 1 1/2	500	(3445)	c
246	Extension Reducing	Male BSP X Female BSP	1/4 x 1/8 3/8 x 1/4 1/2 x 1/4, 3/8 3/4 x 3/8, 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1 1/2, 2 3 x 2, 2 1/2	500	(3445)	e
270	Socket	BSP Parallel Threads	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
270	Socket	BSP Parallel Threads	6	300	(2065)	c
271	Socket	BSP Right and Left Threads	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
271	Socket	BSP Right and Left Threads	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
280	Hex Nipple	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	a
280	Hex Nipple	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
280	Hex Nipple	BSP	5, 6	300	(2065)	c
280	Hex Nipple	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5	500	(3445)	e
280	Hex Nipple	BSP	6	450	(3100)	e
281	Hex Nipple	BSP Right and Left Threads	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
290	Plug, Sq. Hd., Beaded	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
291	Plug, Sq. Hd.	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
291	Plug, Sq. Hd.	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
291	Plug, Sq. Hd.	BSP	6	300	(2065)	c
291	Plug, Sq. Hd.	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
291	Plug, Sq. Hd.	BSP	6	450	(3100)	e
291-4	Plug, Cross Slotted	NPT	4	500	(3445)	a
291-4	Plug, Cross Slotted	NPT	5, 6	300	(2065)	a
291N	Plug, Sq. Socket	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
291N	Plug, Sq. Socket	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	c

291S	Plug, Solid Sq.	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
291S	Plug, Solid Sq.	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
300	End Cap	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 165 mm	500	(3445)	a
300	End Cap	Grooved	1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 89, 114, 140, 165 mm	500	(3445)	b
300	End Cap	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
300	End Cap	NPT	5, 6	300	(2065)	a
300	End Cap	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
300	End Cap	BSP	5, 6	300	(2065)	c
300	End Cap	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
300	End Cap with BSP threaded outlet	Grooved x BSP	168 x 21, 60 mm 219 x 34 mm	500	(3445)	b
300PX	End Cap with BSP threaded outlet	Grooved x BSP	73 x 34 mm 76 x 34 mm 89 x 48, 60 mm 114 x 34, 48, 60 mm 140 x 48, 60 mm 165 x 48 mm 168 x 48, 60 mm	500	(3445)	b
300PX	End Cap with BSP threaded outlet	Grooved x BSP	219 x 48, 60 mm	300	(2065)	b
301	Round Cap	BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
310	Locknut	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
312	Backnut	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 4	500	(3445)	c
321	Flange Adapter	Flanged x NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	a
321-4	Flange Adapter	Flanged x BSP	1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
321-4	Flange Adapter	Flanged x BSP	6	300	(2065)	a
321-6	Flange Adapter	Flanged x BSP	1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
321-6	Flange Adapter	Flanged x BSP	6	300	(2065)	a
321G	Flange Adapter	Flanged x Grooved	2, 2 1/2, 3, 4, 5, 6, 8 76.1, 165 mm	500	(3445)	b
321G	Flange Adapter	Flanged x Grooved	1, 1 1/4, 1 1/2, 10, 12 108, 133, 139.7, 159, 219, 273 mm	300	(2065)	b
321G	Flange Adapter	Flanged x Grooved	60, 73, 76.1, 89, 114 mm	365	(2515)	b
321G	Flange Adapter	Flanged x Grooved	139.7, 141.3, 165, 168, 324 mm	225	(1550)	b
321GA	Flange Adapter	Flanged x Grooved	2, 4, 8, 10	300	(2065)	b
321GH	Flange Adapter	Flanged x Grooved	4, 8 108, 159, 165 mm	365	(2515)	b
321H	Flange Adapter	Flanged x BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a

321N	Flange Adapter	Flanged x BSP	2	500	(3445)	a
321P	Flange Adapter	Flanged x BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
321P	Flange Adapter	Flanged x BSP	5, 6	300	(2065)	a
321PW	Flange Adapter	Flanged x BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
321PW	Flange Adapter	Flanged x BSP	5, 6	300	(2065)	a
321TD	Flange Adapter	Flanged x BSP	1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
321TD	Flange Adapter	Flanged x BSP	6	300	(2065)	a
321W	Flange Adapter	Flanged x BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
330	Union Flat Seat without gasket	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
330	Union Flat Seat without gasket	BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
330D	Union Flat Seat with gasket, hex	BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
331	Union Flat Seat without gasket	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
331	Union Flat Seat without gasket	Male BSP X Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
331D	Union Flat Seat with gasket, hex	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
340	Union Conical Joint Iron to Iron	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
340	Union Conical Joint Iron to Iron	BSP	1/8, 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
340F	Union Nut	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
341	Union Conical Joint Iron to Iron	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
341	Union Conical Joint Iron to Iron	Male BSP X Female BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
342	Union Conical Joint Brass to Iron	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
342	Union Conical Joint Brass to Iron	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	c
342	Union Conical Joint Brass to Iron	BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
344	Union Taper Seat	Male BSP	1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
345	Union Flat Seat	Male BSP X Female BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
346	Union Flat Seat	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
471	Flanged Base Elbow	BSP	3/8, 1/2, 3/4, 1	500	(3445)	e

526	Extension	BSP	1/2	500	(3445)	c
526	Extension	BSP	3/8 x 30, 40, 100 1/2 x 30, 40 3/4 x 40	500	(3445)	e
529	Extension	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	a
529A	Extension Long	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
529A	Extension Long	BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
529X	Extension Short	BSP	1/2	500	(3445)	c
531	Coupling	BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	e
596	Plug, Sq. Socket	BSP	3/4, 1, 1 1/4, 1 1/2	500	(3445)	e
1090	90° Elbow Plain	BSP	1/2, 3/4, 1, 1 1/4, 2	500	(3445)	c
1130	Equal Tee Plain	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	c
1220	Socket Plain	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	c
1221	Side Outlet Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	a
1221	Side Outlet Elbow	BSP	1/2, 3/4, 1, 1 1/4, 2	500	(3445)	c
1221	Side Outlet Elbow	BSP	3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	e
1223	Side Outlet Tee	BSP	1/2, 3/4, 1	500	(3445)	c
1223	Side Outlet Tee	BSP	1/2, 3/4, 1, 1 1/4	500	(3445)	e
2220	Wye	BSP	3/8, 1/2, 3/4, 1	500	(3445)	e
9015	Blk. Drinking Nipple	BSP	1/2	500	(3445)	e
9030	Blk. Drinking Nipple	BSP	1/2, 3/4, 3/4 x 1/2	500	(3445)	e
9045	Blk. Drinking Nipple	BSP	1/2, 3/4	500	(3445)	e
T330	Union Flat Seat	BSP	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500	(3445)	e
35C	Cap	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	b
35CP	Straight Coupling	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	b
35E	90° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	b
35F	45° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500	(3445)	b
35HB	Bushings	NPT	1 x 1/2, 3/4 1 1/4 x 3/4, 1 1 1/2 x 1, 1 1/4 2 x 1, 1 1/4, 1 1/2	500	(3445)	b
35RC	Concentric Reducer	NPT	1 x 1/2, 3/4 1 1/4 x 3/4, 1 1 1/2 x 1, 1 1/4 2 x 1, 1 1/4, 1 1/2	500	(3445)	b
35RE	90° Reducing Elbow	NPT	3/4 x 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 1 1/2, 2 3 x 3/4	500	(3445)	b

35RT	Reducing Tee	NPT	3/4 x 3/4 x 1/2, 1 3/4 x 1/2 x 3/4, 1/2 1 x 1 x 1/2, 3/4, 1 1/4, 1 1/2 1 x 3/4 x 3/4, 1 1 x 1/2 x 1 1 1/4 x 1 1/4 x 1/2, 3/4, 1, 1 1/2, 2 1 1/4 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/4 x 3/4 x 1 1/4 1 1/4 x 1/2 x 1 1/4 1 x 1/2 x 1 1/2 x 1/2, 3/4, 1, 1 1/3, 1 1/2, 2 1 1/2 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2 x 3/4 x 1 1/4, 1 1/2 1 1/2 x 1/2 x 1 1/4, 1 1/2 2 x 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2 2 x 1 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 x 1 1/4 x 2 2 x 1 x 2 2 1/2 x 2 1/2 x 3/4, 1, 1 1/4, 1 1/2, 2, 3	500	(3445)	b
35RX	Reducing Cross	NPT	1 1/4 x 1 1 1/2 x 1 2 x 1	500	(3445)	b
35SP	Square Head Pipe Plug	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500	(3445)	b
35T	Equal Tee	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500	(3445)	b
35U	Union	NPT	1, 1 1/4, 1 1/2, 2	500	(3445)	b
35X	Cross	NPT	1, 1 1/4, 1 1/2, 2	500	(3445)	b
37E	90° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	g
37F	45° Elbow	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	g
37RC	Concentric Reducer	NPT	1 x 1/2, 3/4 1 1/4 x 1 2 x 3/4, 1	300	(2065)	g
37RE	90° Reducing Elbow	NPT	3/4 x 1/2 1 x 1/2, 3/4 1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1, 1 1/4 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2 x 3/4, 1, 1 1/4, 1 1/2, 2 3 x 2	300	(2065)	g
			3/4 x 3/4 x 1 1 x 1/2 x 1/2, 3/4, 1 1 x 3/4 x 1/2, 3/4, 1 1 x 1 x 1/2, 3/4, 1 1/4, 1 1/2 1 x 1 1/4 x 1 1 1/4 x 1 1/4 x 1/2, 3/4, 1, 1 1/2, 2 1 1/4 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/4 x 3/4 x 1 1/4 1 1/4 x 1/2 x 1 1/4 1 1/2 x 1 1/2 x 1/2, 3/4, 1, 1, 1 1/4, 2			

37RT	Reducing Tee	NPT	1 1/2 x 1 1/4 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1 1/2 x 1 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1 1/2 x 3/4 x 1 1/4, 1 1/2 1 1/2 x 1/2 x 1 1/4, 1 1/2 2 x 2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 2 x 1 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 2 x 1 1/4 x 1/2, 1, 1 1/4, 1 1/2, 2 2 x 1 x 3/4, 1, 1 1/4, 1 1/2, 2 2 x 1/2 x 2 2 x 2 x 2 1/2 2 1/2 x 2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2 x 1 1/4 x 2 1/2 2 x 1 x 2 1/2 2 x 3/4 x 2 1/2 2 1/2 x 1/2 x 2, 2 1/2 3 x 3 x 1 1/4, 1 1/2, 2	300	(2065)	g
37T	Equal Tee	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	g
37X	Equal Cross	NPT	1, 1 1/4, 1 1/2, 2	300	(2065)	g
37RX	Reducing Cross	NPT	1 1/4 x 1 1 1/2 x 1 2 x 1	300	(2065)	g
37SP	Plug, Solid Sq.	NPT	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	300	(2065)	g

Remarks:

a. Malleable Iron Fittings, ASME B16.3

b. Ductile Iron Fittings

c. Malleable Iron Fittings, BS EN 10242

d. Steel Fittings

e. Malleable Iron Fittings, DIN EN 10242, threads per ISO 7-1, available in black and galvanized per ISO 1460

f. Malleable Iron Fittings

g. Cast Iron Fittings

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1G

Rated Working Pressures for Model 1G Rigid Coupling by Pipe a, b, c, e

Pipe Description	Nominal Pipe Size																							
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	3 (76.1)	3 (88.9)	4 (108)	4 (114.3)	5 (133)	5 (139.7)	6 (141.3)	6 (159)	6 (165.1)	8 (168.3)	8 (216.3)	8 (219.1)	10 (267)	10 (273)	12 (318)	12 (323.9)	12 (356)	12 (377)	12 (406)
Schedule 40, Cut Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)
Schedule 40, Roll Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)	300 (2070)	300 (2070)		300 (2070)			
Schedule 30, Cut Groove																	300 (2070)	300 (2070)	300 (2070)		300 (2070)			
Schedule 30, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)	300 (2070)	300 (2070)		300 (2070)			
Thinwall Pipes, Rolled Groove																								
Schedule 10, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)									
0.188" Wall, Rolled Groove																	300 (2070)	300 (2070)	300 (2070)		300 (2070)			
Schedule 10, Swage Groove																								
Lightwall Pipes, Rolled Groove																								
Lightwall Pipes, Swage Groove																								
Schedule 5 Pipe, Rolled Groove																								
EN 10220 (ISO 4200), Cut Groove																								
Thickness F		500 (3445)		500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		
Thickness G	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		
EN 10220 (ISO 4200), Rolled Groove																								
Thickness D								300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		
Thickness E				500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		
Thickness F	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		

[illegible]

Thickness G	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)			
EN 10255 (BS 1387) Medium, Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)			500 (3445)										
EN 10255 (BS 1387) Heavy, Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)			500 (3445)										
Chinese Standard GB/T 3092, Regular Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)		300 (2070)	300 (2070)	300 (2070)		300 (2070)			
Chinese Standard GB/T 3092, Extra Heavy Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)		300 (2070)	300 (2070)	300 (2070)		300 (2070)			

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (120 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure rating and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1GK

Pipe Description	Rated Working Pressures for Model 1GK Rigid Coupling by Pipe a, b, c, d, e																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)
Schedule 40, Cut Groove		500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)						500 (3450)		500 (3450)		500 (3450)
Schedule 40, Roll Groove		500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)						500 (3450)		500 (3450)		500 (3450)
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove																			
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove		500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)						500 (3450)				
0.188” Wall, Rolled Groove																	500 (3450)		500 (3450)
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			
Schedule 5 Pipe, Rolled Groove																			
EN 10220 (ISO 4200), Cut Groove																			

Thickness D		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
Thickness E		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
Thickness F		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
EN 10220 (ISO 4200), Rolled Groove																		
Thickness D									500 (3450)		300 (2070)		300 (2070)					
Thickness E				500 (3450)			500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
Thickness F		500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
Thickness G		500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
EN 10255 (BS 1387) Medium, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)					
EN 10255 (BS 1387) Heavy, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)					
Chinese Standard GB/T 3091, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)		300 (2070)		300 (2070)			
JIS G3454, Cut Groove				500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)		500 (3450)		500 (3450)		500 (3450)	
JIS G3454, Rolled Groove				500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)		500 (3450)		500 (3450)		500 (3450)	

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
d.) Available with a red painted, epoxy painted or hot dip galvanized surface finish
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

500 (3450)	
500 (3450)	

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1GKS

Pipe Description	Rated Working Pressures for Model 1GKS Rigid Coupling by Pipe a, b, c, e																		
	Nominal Pipe Size																		
	1 (34)	1-1/4 (43)	1-1/2 (48)	2 (60)	2-1/2 (73)	(76)	3 (89)	(108)	4 (114)	(133)	(140)	5 (141)	(159)	(165)	6 (168)	(216)	8 (219)	(267)	10 (273)
Schedule 40, Cut Groove																			
Schedule 40, Roll Groove																			
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove																			
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove																			
0.188” Wall, Rolled Groove																			
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			

Schedule 5 Pipe, Rolled Groove																		
JIS G3454, Cut Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)		300 (2070)		300 (2070)
JIS G3454, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)		300 (2070)		300 (2070)

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1GKX

Pipe Description	Rated Working Pressures for Model 1GKX Rigid Coupling by Pipe a, b, c, d, e																			
	Nominal Pipe Size																			
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267.4)	10 (273)	(318.5)
Schedule 40, Cut Groove																	300 (2070)			
Schedule 40, Roll Groove																	300 (2070)			
Schedule 30, Cut Groove																				
Schedule 30, Rolled Groove																				
Thinwall Pipes, Rolled Groove																				
Schedule 10, Rolled Groove																				
0.188" Wall, Rolled Groove																	300 (2070)			
Lightwall Pipes, Rolled Groove																				
Schedule 5 Pipe, Rolled Groove																				

Remarks:

- Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
- Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch - 0.250 in. wall
- All couplings in table above, Approved when supplied with a Grade E EDPM gasket using standard gasket lubricant
- Available with a black painted or hot dip galvanized finish
- Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com

New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or diff alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (120 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure rating and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1GS

Pipe Description	Rated Working Pressures for Model 1GS Rigid Coupling by Pipe a, b, c, d, e																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)
Schedule 40, Cut Groove				300 (2070)	300 (2070)		350 (2415)		350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)		350 (2415)		300 (2070)
Schedule 40, Roll Groove				300 (2070)	300 (2070)		350 (2415)		350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)		350 (2415)		300 (2070)
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove				300 (2070)	300 (2070)		350 (2415)		350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)		350 (2415)		
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove				300 (2070)	300 (2070)		350 (2415)		350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)				
0.188” Wall, Rolled Groove																	350 (2415)		300 (2070)
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			
Schedule 5 Pipe, Rolled Groove																			
EN 10220 (ISO 4200), Cut Groove																			

Thickness F				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
Thickness G				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
EN 10220 (ISO 4200), Rolled Groove																			
Thickness D								300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
Thickness E				300 (2070)			350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
Thickness F				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
Thickness G				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)	300 (2070)	350 (2415)	350 (2415)	300 (2070)	350 (2415)		
EN 10255 (BS 1387) Medium, Rolled Groove				300 (2070)		300 (2070)	350 (2415)		350 (2415)		350 (2415)			350 (2415)					
EN 10255 (BS 1387) Heavy, Rolled Groove				300 (2070)		300 (2070)	350 (2415)		350 (2415)		350 (2415)			350 (2415)					
Chinese Standard GB/T 3092, Regular Rolled Groove				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)		350 (2415)		
Chinese Standard GB/T 3092, Extra Heavy Rolled Groove				300 (2070)	300 (2070)	300 (2070)	350 (2415)	300 (2070)	350 (2415)		350 (2415)	350 (2415)		350 (2415)	350 (2415)		350 (2415)		

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
d.) Available with a red painted, epoxy painted or hot dip galvanized surface finish
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model 1GX

Pipe Description	Rated Working Pressures for Model 1GX Rigid Coupling by Pipe a, b, c, d, e																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267.4)	10 (273)
Schedule 40, Cut Groove		300 (2070)	300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)			300 (2070)		300 (2070)
Schedule 40, Roll Groove		300 (2070)	300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)			300 (2070)		300 (2070)
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove																			
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove		300 (2070)	300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)					
0.188" Wall, Rolled Groove																	300 (2070)		300 (2070)
Lightwall Pipes, Rolled Groove																			
Schedule 5 Pipe, Rolled Groove																			

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch - 0.250 in. wall
c.) All couplings in table above, Approved when supplied with a Grade E EDPM gasket using standard gasket lubricant
d.) Available with a black painted or hot dip galvanized finish
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model R10

Pipe Description	Rated Working Pressures for Model R10 Rigid Coupling by Pipe C																			
	Nominal Pipe Size																			
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)	(318)
Schedule 40, Cut Groove																				
Schedule 40, Roll Groove																				
Schedule 30, Cut Groove																				
Schedule 30, Rolled Groove																				
Thinwall Pipes, Rolled Groove																				
Schedule 10, Rolled Groove																				
Schedule 10, Swage Groove																				
Lightwall Pipes, Rolled Groove																				
Lightwall Pipes, Swage Groove																				
Schedule 5 Pipe, Rolled Groove																				
JIS G3452, Cut Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)		300 (2070)		300 (2070)		300 (2070)
JIS G3452, Rolled Groove				300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)		300 (2070)		300 (2070)		300 (2070)

Remarks: a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or differential alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (12 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe coupling should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure rating and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Rigid

These couplings join pipe, valves or fittings having equal diameters.

Model R20

Pipe Description	Rated Working Pressures for Model R20 Rigid Coupling by Pipe a, b, c																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)
Schedule 40, Cut Groove		500 (3450)	500 (3450)	500 (3450)			500 (3450)		500 (3450)										
Schedule 40, Roll Groove		500 (3450)	500 (3450)	500 (3450)			500 (3450)		500 (3450)										
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove																			
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove		500 (3450)	500 (3450)	500 (3450)			500 (3450)		500 (3450)										
0.188" Wall, Rolled Groove																			
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			
Schedule 5 Pipe, Rolled Groove																			
EN 10220 (ISO 4200), Cut Groove																			
Thickness D		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			

Thickness E		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
Thickness F		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
EN 10220 (ISO 4200), Rolled Groove																			
Thickness D									500 (3450)		300 (2070)			300 (2070)					
Thickness E				500 (3450)			500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
Thickness F		500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
Thickness G		500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
EN 10255 (BS 1387) Medium, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)					
EN 10255 (BS 1387) Heavy, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)					
Chinese Standard GB/T 3091, Rolled Groove		500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		300 (2070)			300 (2070)		300 (2070)			
JIS G3454, Cut Groove				500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)		500 (3450)		500 (3450)	
JIS G3454, Rolled Groove				500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)		500 (3450)		500 (3450)	

Remarks: a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tank; in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Flexible

These couplings join pipe, valves or fittings having equal nominal-sized diameters.

Model 1NH

Rated Working Pressures for Model 1G Rigid Coupling by Pipe a, b, c, e

Pipe Description	Nominal Pipe Size																			
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	3 (76.1)	3 (88.9)	4 (108)	4 (114.3)	5 (133)	5 (139.7)	6 (141.3)	6 (159)	6 (165.1)	8 (168.3)	8 (216.3)	10 (219.1)	10 (267)	12 (273)	12 (318)
Schedule 40, Cut Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)	300 (2070)
Schedule 40, Roll Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)	300 (2070)
Schedule 30, Cut Groove																	300 (2070)		300 (2070)	300 (2070)
Schedule 30, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)	300 (2070)
Thinwall Pipes, Rolled Groove																				
Schedule 10, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)					
0.188" Wall, Rolled Groove																	300 (2070)		300 (2070)	300 (2070)
Schedule 10, Swage Groove																				
Lightwall Pipes, Rolled Groove																				
Lightwall Pipes, Swage Groove																				
Schedule 5 Pipe, Rolled Groove																				
EN 10220 (ISO 4200), Cut Groove																				
Thickness F		500 (3445)		750 (5170)	750 (5170)	750 (5170)	750 (5170)	300 (2070)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		300 (2070)	300 (2070)
Thickness G	500 (3445)	500 (3445)	500 (3445)	750 (5170)	750 (5170)	750 (5170)	750 (5170)	300 (2070)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		300 (2070)	300 (2070)
EN 10220 (ISO 4200), Rolled Groove																				
Thickness D								300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)		300 (2070)	300 (2070)
Thickness E				500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)	300 (2070)	500 (3445)	500 (3445)	300 (2070)	300 (2070)		300 (2070)	300 (2070)
Thickness F	500 (3445)	500 (3445)	500 (3445)	750 (5170)	750 (5170)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		500 (3445)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		300 (2070)	300 (2070)

Thickness G	500 (3445)	500 (3445)	500 (3445)	750 (5170)	750 (5170)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		500 (3445)	750 (5170)	300 (2070)	750 (5170)	750 (5170)	300 (2070)	750 (5170)		300 (2070)		300 (2070)			
EN 10255 (BS 1387) Medium, Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)		500 (3445)	500 (3445)		500 (3445)		500 (3445)			500 (3445)										
EN 10255 (BS 1387) Heavy, Rolled Groove	500 (3445)	500 (3445)	500 (3445)	750 (5170)		500 (3445)	500 (3445)		500 (3445)		500 (3445)			500 (3445)										
Chinese Standard GB/T 3092, Regular Rolled Groove	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)		300 (2070)		300 (2070)		300 (2070)			
Chinese Standard GB/T 3092, Extra Heavy Rolled Groove	500 (3445)	500 (3445)	500 (3445)	750 (5170)	500 (3445)	500 (3445)	500 (3445)	300 (2070)	500 (3445)		500 (3445)	500 (3445)		500 (3445)	500 (3445)		300 (2070)		300 (2070)		300 (2070)			

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flex in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or misalignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (12 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe coupling should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure rating and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Flexible

These couplings join pipe, valves or fittings having equal nominal-sized diameters.

Model 1NX

Pipe Description	Rated Working Pressures for Model 1NX Rigid Coupling by Pipe a, b, c, d, e																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267.4)	10 (273)
Schedule 40, Cut Groove																			300 (2070)
Schedule 40, Roll Groove																			300 (2070)
Schedule 30, Cut Groove																			
Schedule 30, Rolled Groove																			
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove																			
0.188" Wall, Rolled Groove																			300 (2070)
Lightwall Pipes, Rolled Groove																			
Schedule 5 Pipe, Rolled Groove																			

Remarks:

- Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
- Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8 or 10 inch - 0.188 inch (5 mm) wall; 12 inch - 0.250 in. wall
- All couplings in table above, Approved when supplied with a Grade E EDPM gasket using standard gasket lubricant
- Available with a black painted or hot dip galvanized finish
- Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com

New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Flexible

These couplings join pipe, valves or fittings having equal nominal-sized diameters.

Model F1

Pipe Description	Rated Working Pressures for Model F1 Flexible Coupling by Pipe a, b, c																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)
Schedule 40, Cut Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)		300 (2070)		300 (2070)
Schedule 40, Roll Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)		300 (2070)		300 (2070)
Schedule 30, Cut Groove																	300 (2070)		300 (2070)
Schedule 30, Rolled Groove																	300 (2070)		300 (2070)
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)			300 (2070)				
0.188" Wall, Rolled Groove																	300 (2070)		300 (2070)
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			
Schedule 5 Pipe, Rolled Groove																			
EN 10220 (ISO 4200), Cut Groove																			
Thickness F		300 (2070)		300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)									300 (2070)

(318)	12 (323.9)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)

Thickness G	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)
EN 10220 (ISO 4200), Rolled Groove																			
Thickness D								300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)				300 (2070)
Thickness E				300 (2070)			300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)
Thickness F	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)
Thickness G	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)
EN 10255 (BS 1387) Medium, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)					
EN 10255 (BS 1387) Heavy, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)	300 (2070)		300 (2070)		300 (2070)			300 (2070)					
Chinese Standard GB/T 3091, Rolled Groove	300 (2070)	300 (2070)	300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)	300 (2070)	300 (2070)		300 (2070)		300 (2070)		300 (2070)		300 (2070)
JIS G3452, Cut Groove																300 (2070)		300 (2070)	
JIS G3452, Rolled Groove																300 (2070)		300 (2070)	

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
300 (2070)	
300 (2070)	

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment.

Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings.

Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified.

FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements.

Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Standard-Flexible

These couplings join pipe, valves or fittings having equal nominal-sized diameters.

Model 1N

Pipe Description	Rated Working Pressures for Model 1N Flexible Coupling by Pipe a, b, c, e																		
	Nominal Pipe Size																		
	1 (33.7)	1-1/4 (42.7)	1-1/2 (48.3)	2 (60.3)	2-1/2 (73.1)	(76.1)	3 (88.9)	(108)	4 (114.3)	(133)	(139.7)	5 (141.3)	(159)	(165.1)	6 (168.3)	(216.3)	8 (219.1)	(267)	10 (273)
Schedule 40, Cut Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)
Schedule 40, Roll Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)
Schedule 30, Cut Groove																	300 (2070)		300 (2070)
Schedule 30, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)		300 (2070)		300 (2070)
Thinwall Pipes, Rolled Groove																			
Schedule 10, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	500 (3450)		500 (3450)	500 (3450)				
0.188" Wall, Rolled Groove																	300 (2070)		300 (2070)
Schedule 10, Swage Groove																			
Lightwall Pipes, Rolled Groove																			
Lightwall Pipes, Swage Groove																			
Schedule 5 Pipe, Rolled Groove																			
EN 10220 (ISO 4200), Cut Groove																			

(318)	12 (323.9)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)

Thickness F		500 (3450)		500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)
Thickness G	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)
EN 10220 (ISO 4200), Rolled Groove																			
Thickness D								300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)				300 (2070)
Thickness E				500 (3450)			500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)
Thickness F	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)
Thickness G	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	300 (2070)	500 (3450)	500 (3450)	300 (2070)	500 (3450)	500 (3450)		300 (2070)		300 (2070)
EN 10255 (BS 1387) Medium, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)					
EN 10255 (BS 1387) Heavy, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)	500 (3450)		500 (3450)		500 (3450)			500 (3450)					
Chinese Standard GB/T 3091, Rolled Groove	500 (3450)	500 (3450)	500 (3450)	500 (3450)	500 (3450)		500 (3450)		500 (3450)	300 (2070)	500 (3450)		300 (2070)		500 (3450)		300 (2070)		300 (2070)
JIS G3452, Cut Groove																300 (2070)		300 (2070)	
JIS G3452, Rolled Groove																300 (2070)		300 (2070)	

Remarks:

- a.) Minimum schedule cut groove pipe to be joined: 6 inch or smaller, Schedule 40; 8 inch or larger, Schedule 30
b.) Minimum schedule rolled groove pipe to be joined: 6 inch or smaller, Schedule 10; 8, 10 or 12 inch - 0.188 inch (4.78 mm) wall
c.) All couplings in table above, Approved when supplied with an EDPM gasket using standard gasket lubricant or dry lubricant
e.) Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
	300 (2070)
300 (2070)	
300 (2070)	

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment. Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings. Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified. FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements. Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Couplings, Reducing-Flexible

These couplings join pipe, valves or fittings having different nominal pipe diameters.

Fig. 1N

Product Specification

Model No	End Connection	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
1N	Cut Groove Rolled Groove	2 x 1 1/2 2 1/2 x 1, 2 3 x 1, 2, 2 1/2 4 x 1, 2 4 x 2 1/2, 3 6 x 3, 4 8 x 6	300	(2065)	a, b, c, d, e
1N	Cut Groove Rolled Groove	76.1 x 33.7, 1 1/2, 2 3 x 76.1 4 x 76.1 165 x 3, 4 6 x 165 8 x 165	300	(2065)	a, b, c, d, e

Remarks:

- a. Minimum schedule cut groove pipe to be joined: 6 in. NPS and smaller – Schedule 40; 8 in. NPS and larger – Schedule 30.
b. Minimum schedule rolled groove pipe to be joined: 6 in. NPS and smaller – Schedule 10S; 8 in. NPS and larger 0.188 in. (5 mm) wall.
c. Approved when supplied with EPDM gasket.
d. Approved for use with GB/T3092 regular and extra heavy pipe, ISO 4200, and BS 1387 medium and heavy pipe.
e. Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Grooved Couplings or Fittings

Grooved couplings are used to join pipe and fittings in both wet and dry sprinkler systems. Unless otherwise noted, these couplings are intended to provide some flexibility in piping systems. Typical applications are in sprinkler risers, in feed mains passing through walls from one building area to another, in locations subject to earthquakes, in the discharge line from aboveground pump suction tanks, in new connections to existing feed mains and in air or water fire service lines subject to excessive vibration or difficult alignment. Unless otherwise noted, these couplings are limited to use with rolled or cut groove-ended pipe, valves and fittings, at a minimum rated working pressure of 175 psi (1205 kPa) and are suitable for aboveground service. Higher rated pressures are noted in the text of the listing. Selection of pipe schedules for use with grooved pipe couplings should be made according to applicable FM Global Property Loss Prevention Data Sheets installation standards. These pipe schedules determine system pressure ratings and may take precedence over the higher rated working pressures listed for some couplings. Installation must be made according to the manufacturer's instructions and requirements. Where couplings are used to join FM Approved pipe, the pipe manufacturer's installation instructions and requirements must also be observed. Grooves should be made according to ANSI/AWWA C606 (latest edition), "Grooved and Shouldered Joints", unless otherwise specified. FM Approved grooved pipe couplings joining steel pipe may be used in underground service, subject to the installation restrictions placed upon the pipe and to the coupling manufacturer's recommendations and requirements. Unless otherwise stated in the listing, these couplings have been evaluated for a maximum ambient temperature of 225°F (107°C), suitable for use in normal warehouse protection. For special applications, temperatures, or environments, the manufacturer's recommendations and requirements are to be followed.

Grooved Split Flanges-Flexible

Split Flanged-These fittings join pipe, valves or fittings having equal diameters.

Models 321, 321S, 321HS, 321E

Product Specification

Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
321	Split Flange	1 1/2, 2, 2 1/2, 3, 4, 5, 6, 8, 10, 12 76.1, 108, 133, 139, 159, 165 mm	300	(2065)	a, b, c, d, e
321S	Split Flange	48, 60, 76, 89, 108, 114 mm	365	(2515)	a, b, c, d, e
321S	Split Flange	133, 140, 159, 165, 168 mm	225	(1550)	a, b, c, d, e
321HS	Split Flange	108 mm	365	(2515)	a, b, c, e, f
321HS	Split Flange	165 mm	225	(1550)	a, b, c, e, f
321E	Split Flange	60, 89, 114, 165, 219 mm	300	(2065)	a, b, c, d

Remarks:

- a. Minimum schedule cut groove pipe to be joined: 6 in. NPS and smaller - Schedule 40; 8 in. NPS and larger - Schedule 30.
- b. Minimum schedule rolled groove pipe to be joined: 6 in. NPS and smaller - Schedule 10S; 8 in. NPS and larger 0.188 in. (5 mm) wall.
- c. Approved when supplied with EPDM gasket.
- d. Approved when supplied with an ISO PN10 bolt pattern.
- e. Approved when used with GB/T3092 regular and extra heavy pipe, ISO 4200, and BS 1387 Medium and Heavy pipe.
- f. Approved when supplied with an ISO PN25 bolt pattern.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

Pipe Fittings

These fittings are suitable for interconnecting piping, valves and other components in both wet and dry automatic sprinkler systems. Installation should be according to applicable sprinkler system fabrication rules. These rules limit the minimum size of sprinkler piping to 1 in., nominal. FM Approved pipe fittings of smaller sizes are intended for use as valve trim, gauge connections, and for other peripheral service. The water flow path of the sprinkler system cannot be designed using smaller sizes than 1 in., nominal. Unless otherwise noted in the listing, these fittings have 175 psi (1205 kPa) rated working pressure.

Threaded connections on fittings can be made to FM Approved threadable thinwall pipe or to Schedule 40 pipe. Refer to the "Steel Pipe" listings for a summary of the various types of FM Approved steel pipe suitable for threading or grooving."

The fittings manufacturer's installation instructions must be observed in all cases. When connections are made to FM Approved pipe, the pipe manufacturer's installation instructions must also be followed.

Unless otherwise stated below, the maximum ambient temperature to which these fittings should be subjected is 225°F (107°C).

Fittings, Side Outlet, Rigid

These fittings allow installation of a perpendicular branch line of reduced size, while joining inline pipes of equal diameters. These fittings bolt over a hole in the run pipe, and allow installation of a perpendicular branch line of reduced size. The maximum branch line size is one pipe size reduced from the run pipe size.

Models 3G, 3GS, 3L, 3J, 3JS, 4G, 4J, 4JG

Product Specification

Model No	Description	Nominal Pipe Size, in	Rated Working Pressure		Remarks
			psi	(kPa)	
3G	Mechanical Tee, Grooved Outlet	2 x 1 1/4, 1 1/2 2 1/2 x 1 1/4, 1 1/2 76 x 1, 1 1/4, 1 1/2 3 x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76, 3 133 x 3, 139.7 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4 159 x 2, 108, 4 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3 165 x 2, 2 1/2, 3, 4 6 x 1 1/4, 1 1/2, 2, 2 1/2, 76, 3, 4 8 x 2, 2, 2 1/2, 76, 3, 108, 4 10 x 76, 3, 108, 4	300	(2065)	a, c, e
3GS	Mechanical Tee, Grooved Outlet	89 x 34, 42, 48, 60 mm	365	(2515)	a, c, e
3GS	Mechanical Tee, Grooved Outlet	114 x 34, 42, 48, 60, 73, 76, 89 mm 133 x 89 mm 140 x 42, 48, 60, 76, 89 mm 159 x 108, 89, 114 mm 165 x 42, 48, 60, 76, 89, 108, 114 mm 168 x 42, 48, 60, 73, 76, 89, 114 mm 219 x 60, 73, 76, 89, 108, 114 mm	300	(2065)	a, c, e
3L	Mechanical Tee, Grooved Outlet	1 1/4 x 1/2, 3/4, 1 1 1/2 x 1/2, 3/4, 1 2 x 1/2, 3/4, 1 2 1/2 x 1/2, 3/4, 1 76 x 1/2, 3/4, 1 3 x 1 4 x 1, 1 1/4, 1 1/2 6 x 1, 1 1/4, 1 1/2	300	(2065)	a, c, e

3J	Mechanical Tee, Threaded Outlet	1 x 1/2 1 1/4 x 1/2 1 1/2 x 1/2 2 x 1/2, 3/4 2 1/2 x 1/2, 3/4 3 x 1/2, 3/4 76 x 1/2, 3/4 4 x 1/2, 3/4 108 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 76 133 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 76, 3 139 x 1/2, 3/4, 4 159 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 219 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 76, 3, 4 10 x 1 1/2, 2, 76, 3, 4	300	(2065)	a, b, c, e
3J	Mechanical Tee, Threaded Outlet	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2 76 x 1, 1 1/4, 1 1/2 3 x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 139.7 x 1, 1 1/4, 1 1/2, 2 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3 165 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 6 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	a, b, c, e
3JS	Mechanical Tee, Threaded Outlet	89 x 21, 27, 34, 42, 48, 60 mm	365	(2515)	a, b, c, d, e
3JS	Mechanical Tee, Threaded Outlet	114 x 21, 27, 34, 42, 48, 60, 73, 76, 89 mm 168 x 34, 42, 48, 60, 73, 76, 89, 114 mm 219 x 34, 42, 48, 60, 73, 76, 89, 114 mm	300	(2065)	a, b, c, d, e
3JS	Mechanical Tee, Threaded Outlet	108 x 21, 27, 34, 42, 48, 60, 76 mm 133 x 21, 27, 34, 42, 48, 60, 76, 89 mm 140 x 21, 27, 34, 42, 48, 60, 76, 89, 114 mm 159 x 21, 27, 34, 42, 48, 60, 76, 89, 114 mm 165 x 21, 27, 34, 42, 48, 60, 76, 89, 114 mm	300	(2065)	a, c, d, e
4G	Mechanical Cross, Grooved Outlet	2 x 1 1/4, 1 1/2 2 1/2 x 1 1/4, 1 1/2 76 x 1 1/4, 1 1/2 3 x 1 1/4, 1 1/2, 2 4 x 1 1/4, 1 1/2, 2, 2 1/2, 3 139.7 x 2, 2 1/2, 3 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3 165 x 2, 2 1/2, 3 6 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	a, c, e
4J	Mechanical Cross, Threaded Outlet	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2 76 x 1, 1 1/4, 1 1/2 3 x 1, 1 1/4, 1 1/2, 2 4 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 139.7 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3 165 x 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 6 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	a, b, c, e

4JG	Mechanical Cross, Grooved x Threaded Outlet	2 x 1, 1 1/4, 1 1/2 2 1/2 x 1, 1 1/4, 1 1/2 76 x 1, 1 1/4, 1 1/2 3 x 1 1/4, 1 1/2, 2 4 x 1 1/4, 1 1/2, 2, 2 1/2, 3 139.7 x 2, 2 1/2, 3 5 x 1 1/4, 1 1/2, 2, 2 1/2, 3 165 x 2, 2 1/2, 3 6 x 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	300	(2065)	a, b, c, e
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Remarks:

- a. For use on Schedule 10 and heavier steel sprinkler pipe.
b. Approved when supplied with NPT female threads.
c. Approved when supplied with EPDM gasket.
d. Approved when supplied with BSP or DIN female threads.
e. Electroplate Zinc Coating and Hot dip Galvanize coating available on bolt and nut assembly.

Company Name:	Jinan Meide Casting Co Ltd
Company Address:	Meide Science and Technology Park, Pingyin Industrial Park, Jinan, 250400 China
Company Website:	http://meide-casting.com
New/Updated Product Listing:	No
Listing Country:	China
Certification Type:	FM Approved
Class of Work:	1920-Coupling & Fitting, All Type

VIZA.EX6097 - Fittings, Grooved and Plain End

Fittings, Grooved and Plain End

JINAN MEIDE CASTING CO LTD

Meide Science and Technology Park

Pingyin Industrial Park

JINAN, SHANDONG 250400 China

EX6097

[See General Information for Fittings, Grooved and Plain End](#)

The following fittings are intended for use with Listed Jinan Meide (EX6464) rubber gasketed fittings.

Grooved

Model	Type	Size In.	Rated Pressure (psig)
90	90 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	500
90	90 Degree Elbow	33.7mm, 76.1mm	500
90	90 Degree Elbow	133.0mm, 267.4mm, 318.5mm	300
90	90 Degree Elbow	10	500
90	90 Degree Elbow	12	500
90C	90 Degree Elbow	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm	300
E1	90 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	500
E1	90 Degree Elbow	33.7mm, 76.1mm	500
E1	90 Degree Elbow	133.0mm, 267.4mm, 318.5mm	300
E1	90 Degree Elbow	10	300
E1	90 Degree Elbow	12	225
EH	90 Degree Elbow	114.3mm x 88.9mm x 33.7mm; 165.1mm x 88.9mm x 33.7mm	300
90S	90 Degree Short Elbow	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
90S	90 Degree Short Elbow	108.0mm, 141.3mm	500
90S	90 Degree Short Elbow	114.3mm, 165.1mm	365
90S	90 Degree Short Elbow	159.0mm, 216.3mm	300
EL	90 Degree Short Elbow	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
EL	90 Degree Short Elbow	108.0mm	500
EL	90 Degree Short Elbow	159.0mm, 216.3mm	300

EL	90 Degree Short Elbow	114.3mm, 165.1mm	365
90R	90 Degree Reducing Elbow	88.9 x 76.1mm;	300
		114.3 x 76.1mm, 88.9mm;	
		165.1 x 114.3mm;	
		168.3 x 114.3mm	
90R	90 Degree Reducing Elbow	4x3	500
91R	90 Degree Reducing Elbow	1-1/4 x 1/2, 3/4, 1;	500
		1-1/2 x 1/2, 3/4, 1;	
		2 x 1/2, 3/4, 1;	
		2-1/2 x 1/2, 3/4, 1;	
		3 x 3/4, 1	
ER	90 Degree Reducing Elbow	88.9 x 76.1mm	300
		114.3 x 76.1mm, 88.9mm;	
		165.1 x 114.3mm;	
		168.3 x 114.3mm	
ER	90 Degree Reducing Elbow	4 x 3	500
EE	90 Degree Reducing Elbow	1-1/4 x 1/2, 3/4, 1;	500
		1-1/2 x 1/2, 3/4, 1;	
		2 x 1/2, 3/4, 1;	
		2-1/2 x 1/2, 3/4, 1;	
		3 x 3/4, 1	
105	11.25 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 73mm, 76.1mm, 88.9mm, 114.3mm, 168.3mm 219.3mm	500
105	11.25 Degree Elbow	108.0mm 139.7mm, 159.0mm, 165.1mm	300
E2	11.25 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	500
E2	11.25 Degree Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300
110	22.5 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm, 114.3mm, 168.3mm, 219.1mm	500
110	22.5 Degree Elbow	108.0mm, 139.7mm, 159.0mm, 165.1mm	300
E3	22.5 Degree Elbow	42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm	500
E3	22.5 Degree Elbow	108.0mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm, 168.3mm, 219.1mm	300
120	45 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5-1/4OD, 5, 6, 6-1/2 OD, 8, 10, 12	500
120	45 Degree Elbow	33.7mm	500
120	45 Degree Elbow	108.0mm, 139.7mm, 159.0mm, 216.3mm, 267.4mm, 318.5mm	300

E4	45 Degree Elbow	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
E4	45 Degree Elbow	33.7mm	500
E4	45 Degree Elbow	108.0mm, 139.7mm, 159.0mm, 216.3mm, 267.4mm, 318.5mm	300
130	Tee	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
130	Tee	33.7mm, 76.1mm	500
130	Tee	133.0mm, 139.7mm, 267.4mm	300
130R	Reducing Tee	2 x 1-1/2;	500
		3 x 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 2, 2-1/2, 3;	
		5 x 1-1/2, 2, 2-1/2, 3, 4;	
		6 x 2, 2-1/2, 3, 4, 5;	
		8 x 2, 2-1/2, 3, 4, 5, 6;	
		12 x 6	
130R	Reducing Tee	60.3 x 33.7mm, 48.3mm	500
		73.0 x 48.3mm, 60.3mm;	
		76.1 x 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 42.4mm, 48.3mm, 60.3mm, 73.0mm	
		216.3 x 114.3mm	
130R	Reducing Tee	114.3 x 33.7mm, 60.3mm, 73.0mm, 88.9mm;	365
		141.3 x 88.9mm, 114.3mm;	
		168.3 x 60.3mm, 73.0mm, 88.9mm, 114.3mm, 141.3mm	
130R	Reducing Tee	88.9 x 76.1mm;	300
		108.0 x 60.3mm, 73.0mm, 88.9mm;	
		114.3 x 48.3mm, 76.1mm;	
		133.0 x 60.3mm, 76.1mm, 108.0mm, 114.3mm;	
		139.7 x 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 133.0mm, 139.7mm, 159.0mm;	
		168.3 x 76.1mm, 139.7mm;	
		216.3 x 165.1mm;	
		219.1 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm; 168.3mm	
		273.0 x 165.1mm, 168.3mm, 219.1mm;	

		323.9 x 165.1mm, 219.1mm, 273.0mm	
T	Tee	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
T	Tee	33.7mm, 76.1mm	500
T	Tee	133.0mm, 139.7mm, 267.4mm	300
RT	Reducing Tee	2 x 1-1/2	500
		3 x 1, 1-1/2, 2, 2-1/2	
		4 x 1, 2, 2-1/2, 3;	
		5 x 2, 3, 4;	
		6 x 2, 2-1/2, 3, 4, 5;	
		8 x 2, 3, 4, 5, 6	
RT	Reducing Tee	60.3 x 33.7mm, 48.3mm	500
		73.0 x 48.3mm, 60.3mm;	
		76.1 x 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 42.4mm, 48.3mm, 60.3mm, 73.0mm	
RT	Reducing Tee	114.3 x 33.7mm, 60.3mm, 73.0mm, 88.9mm;	365
		141.3 x 88.9mm, 114.3mm;	
		168.3 x 60.3mm, 73.0mm, 88.9mm, 114.3mm, 141.3mm	
RT	Reducing Tee	88.9 x 76.1mm;	300
		108.0 x 60.3mm, 73.0mm, 88.9mm;	
		114.3 x 48.3mm, 76.1mm;	
		133.0 x 60.3mm, 76.1mm, 108.0mm, 114.3mm;	
		139.7 x 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 133.0mm, 139.7mm, 159.0mm;	
		168.3 x 76.1mm, 139.7mm;	
		216.3 x 165.1mm;	
		219.1 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm; 168.3mm	
		273.0 x 165.1mm, 168.3mm, 219.1mm;	
		323.9 x 165.1mm, 219.1mm, 273.0mm	
130C	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm	300
130D	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm, 165.1mm x 88.9mm x 33.7mm	300
TH	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm; 165.1mm x 88.9mm x 33.7mm	300

TV	Reducing Tee, Grooved	114.3mm x 88.9mm x 33.7mm; 165.1mm x 88.9mm x 33.7mm	300
130S	Short Tee	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
130S	Short Tee	108.0mm, 141.3mm	500
130S	Short Tee	114.3mm, 165.1mm	365
130S	Short Tee	159.0mm, 216.3mm	300
TL	Short Tee	2, 2-1/2, 3 OD, 3, 4, 5-1/2 OD, 6, 6-1/2 OD, 8	300
TL	Short Tee	108.0mm	500
TL	Short Tee	114.3mm, 165.1mm	365
TL	Short Tee	159.0mm, 216.3mm	300
131	Tee	88.9mm, 114.3mm, 168.3mm	300
131R	Reducing Tee	60.3 x 33.7mm, 48.3mm;	500
		73.0 x 33.7mm, 42.4mm;	
		76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm	
131R	Reducing Tee	108.0 x 60.3mm, 76.1mm, 88.9mm;	300
		114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
		133.0 x 60.3mm, 76.1mm, 88.9mm;	
		139.7 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm;	
		165.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		168.3 x 60.3mm, 76.1mm, 88.9mm	
T1	Tee	88.9mm, 114.3mm, 168.3mm	300
TT	Reducing Tee	60.3 x 33.7mm, 48.3mm;	500
		73.0 x 33.7mm, 42.4mm;	
		76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm	
TT	Reducing Tee	108.0 x 60.3mm, 76.1mm, 88.9mm;	300
		114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
		133.0 x 60.3mm, 76.1mm, 88.9mm;	
		139.7 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm;	
		165.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		168.3 x 60.3mm, 76.1mm, 88.9mm	

131R	Reducing Tee, Threaded	2 x 1-1/4;	500
		2-1/2 x 1-1/2, 2	
TT	Reducing Tee, Threaded	2 x 1-1/4;	500
		2-1/2 x 1-1/2, 2	
180	Cross	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
180	Cross	60.3mm, 73.0mm, 76.1mm, 88.9mm, 114.3mm, 141.3mm, 165.1mm	365
180	Cross	108.0mm, 139.7mm, 159.0mm, 168.3mm, 219.1mm	300
180R	Reducing Cross	88.9 x 60.3mm	500
180R	Reducing Cross	114.3 x 60.3mm, 88.9mm;	300
		139.7 x 114.3mm;	
		159.0 x 108.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		219.1 x 60.3mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm	
180R	Reducing Cross	3OD x 2;	500
		6x2	
RX	Reducing Cross	3OD x 2;	500
		6x2	
C	Cross	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 6, 6-1/2 OD, 8, 10, 12	500
C	Cross	60.3mm, 73.0mm, 76.1mm, 88.9mm, 114.3mm, 141.3mm, 165.1mm	365
C	Cross	108.0mm, 139.7mm, 159.0mm, 168.3mm, 219.1mm	300
RX	Reducing Cross	88.9 x 60.3mm	500
RX	Reducing Cross	114.3 x 60.3mm, 88.9mm;	300
		139.7 x 114.3mm;	
		159.0 x 108.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		219.1 x 60.3mm, 114.3mm, 139.7mm, 159.0mm, 165.1mm	
181	Cross	114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	300
		165.1 x 60.3mm	
181	Reducing Cross, Threaded	3OD x 2;	500
		3 x 1-1/2, 2;	
		4 x 3OD, 3;	
		6-1/2OD x 1-1/2	
CTR	Cross	114.3 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	300

		165.1 x 60.3mm	
230	Grooved Eccentric Reducer	88.9 x 60.3mm;	500
		108.0 x 76.1mm, 88.9mm;	
		114.3 x 60.3mm, 88.9mm	
		168.3 x 141.3mm;	
		219.1 x 159.0mm, 165.1mm, 168.3mm	
230	Grooved Eccentric Reducer	114.3 x 76.1mm;	300
		139.7 x 114.3mm;	
		159.0 x 108.0mm, 114.3mm;	
		165.1 x 88.9mm, 114.3mm, 139.7mm;	
		168.3 x 88.9mm, 114.3mm, 139.7mm;	
		219.1 x 114.3mm, 168.3mm;	
		273.1 x 219.1mm	
RE	Grooved Eccentric Reducer	88.9 x 60.3mm;	500
		108.0 x 76.1mm, 88.9mm;	
		114.3 x 60.3mm, 88.9mm	
RE	Grooved Eccentric Reducer	114.3 x 76.1mm;	300
		139.7 x 114.3mm;	
		159.0 x 108.0mm, 114.3mm;	
		165.1 x 88.9mm, 114.3mm, 139.7mm;	
		168.3 x 88.9mm, 114.3mm, 139.7mm;	
		219.1 x 114.3mm, 168.3mm;	
		273.1 x 219.1mm	
230N	Grooved Eccentric Reducer With Male Thread	108.0 x 76.1mm	500
230N	Grooved Eccentric Reducer With Male Thread	114.3 x 76.1mm;	300
		139.7 x 88.9mm;	
		165.1 x 88.9mm	
RE1	Grooved Eccentric Reducer With Male Thread	108.0 x 76.1mm	500
RE1	Grooved Eccentric Reducer With Male Thread	114.3 x 76.1mm	300
		139.7 x 88.9mm	
		165.1 x 88.9mm	

240	Grooved Concentric Reducer	2 x 3/4, 1, 1-1/4, 1-1/2;	500
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
		10 x 6, 8;	
		12 x 6, 8, 10	
240	Grooved Concentric Reducer	42.4 x 33.7mm;	500
		48.3 x 33.7mm, 42.4mm;	
		76.1 x 33.7mm, 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 76.1mm;	
		108.0 x 60.3mm, 73.0mm, 88.9mm;	
		141.3 x 76.1mm;	
		165.1 x 108mm;	
		219.1 x 108mm	
240	Grooved Concentric Reducer	88.9 x 42.4mm;	365
		133.0 x 108.0mm, 114.3mm;	
		139.7 x 60.3mm;	
		141.3 x 88.9mm, 114.3mm	
240	Grooved Concentric Reducer	108.0 x 76.1mm;	300
		114.3 x 42.4mm, 76.1mm;	
		139.7 x 76.1mm, 88.9mm, 114.3mm;	
		141.3 x 73.0mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 139.7mm;	
		168.3 x 76.1mm, 139.7mm;	
		216.3 x 114.3mm, 165.1mm;	
		219.1 x 108.0mm, 139.7mm, 159.0mm, 165.1mm;	
		273.0 x 159.0mm, 165.1mm,;	
RC	Grooved Concentric Reducer	2 x 3/4, 1, 1-1/4, 1-1/2;	500
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	

		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
RC	Grooved Concentric Reducer	42.4 x 33.7mm;	500
		48.3 x 33.7mm, 42.4mm;	
		76.1 x 42.4mm, 48.3mm, 60.3mm;	
		88.9 x 76.1mm;	
		108.0 x 60.3mm, 73.0mm	
RC	Grooved Concentric Reducer	88.9 x 42.4mm;	365
		133.0 x 108.0mm, 114.3mm;	
		139.7 x 60.3mm;	
		141.3 x 88.9mm, 114.3mm	
RC	Grooved Concentric Reducer	108.0 x 76.1mm;	300
		114.3 x 42.4mm, 76.1mm;	
		139.7 x 76.1mm, 88.9mm, 114.3mm;	
		141.3 x 73.0mm;	
		159.0 x 60.3mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm;	
		165.1 x 60.3mm, 76.1mm, 88.9mm, 114.3mm, 139.7mm;	
		168.3 x 76.1mm, 139.7mm;	
		216.3 x 114.3mm, 165.1mm;	
		219.1 x 108.0mm, 139.7mm, 159.0mm, 165.1mm;	
		273.0 x 159.0mm, 165.1mm, 168.3mm, 219.1mm;	
		323.9 x 219.1mm, 273.0mm	
240N	Concentric Reducer - FNPT	1 x 1/2;	500
		2 x 1/2, 3/4, 1, 1-1/4, 1-1/2;	
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
		3 x 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	

240N	Concentric Reducer With Female Thread	76.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm	500
		139.7 x 60.3mm, 88.9mm;	
		159.0 x 76.1mm	
240N	Concentric Reducer With Female Thread	88.9 x 21.3mm;	365
		133.0 x 48.3mm, 76.1mm;	
		139.7 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		141.3 x 88.9mm, 114.3mm	
240N	Concentric Reducer With Female Thread	88.9 x 42.4mm, 76.1mm;	300
		108.0 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1 mm, 88.9mm;	
		114.3 x 21.3 mm, 26.9mm, 42.4mm, 76.1 mm;	
		159.0 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 88.9mm, 114.3mm;	
		165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		219.1 x 48.3mm, 60.3mm, 76.1mm	
RC1	Concentric Reducer - FNPT	2 x 3/4, 1, 1-1/4, 1-1/2;	500
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
RC1	Concentric Reducer With Female Thread	76.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm	500
RC1	Concentric Reducer With Female Thread	88.9 x 21.3mm	365
		133.0 x 48.3mm, 76.1mm;	
		139.7 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm	
		141.3 x 88.9mm, 114.3mm	
RC1	Concentric Reducer With Female Thread	88.9 x 42.4mm, 76.1mm;	300
		108.0 x 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1 mm, 88.9mm;	
		114.3 x 21.3 mm, 26.9mm, 42.4mm, 76.1 mm;	

		159.0 x 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 88.9mm, 114.3mm;	
		165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm, 114.3mm;	
		219.1 x 48.3mm, 60.3mm, 76.1mm	
240W	Concentric Reducer - MNPT	2 x 3/4, 1, 1-1/4, 1-1/2;	500
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
240W	Concentric Reducer - MNPT	76.1 x 60.3mm	500
		88.9 x 76.1mm	
240W	Concentric Reducer - FNPT	2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2; 3 x 1-1/2, 2, 2-1/2; 4 x 1, 1-1/2, 2-1/2, 3	500
RC2	Concentric Reducer - MNPT	2 x 3/4, 1, 1-1/4, 1-1/2;	500
		2-1/2 x 1, 1-1/4, 1-1/2, 2;	
		3 x 3/4, 1, 1-1/2, 2, 2-1/2;	
		4 x 1, 1-1/2, 2, 2-1/2, 3;	
		5 x 3, 4;	
		6 x 1, 2, 2-1/2, 3, 4, 5;	
		8 x 2-1/2, 3, 4, 5, 6	
RC2	Concentric Reducer - MNPT	76.1 x 60.3mm	500
300	Cap	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8, 10, 12	500
300	Cap	33.7mm	500
300	Cap	108.0mm, 133.0mm, 139.7mm, 159.0mm, 216.3mm	300
300	Cap	76.1 x 48.3mm	500
		168.3 x 21.3mm, 60.3mm;	
		219.1 x 33.7mm	
300	Cap	88.9 x 60.3mm;	365
		114.3 x 60.3mm;	
		139.7 x 60.3mm;	
		165.1 x 60.3mm	

300	Cap	88.9 x 21.3mm, 33.7mm, 48.3mm;	300
		114.3 x 21.3mm, 33.7mm, 48.3mm;	
		165.1 x 21.3mm, 33.7mm;	
		168.3 x 48.3mm	
300PX	Cap	2-1/2 x 1;	500
		3OD x 1;	
		4 x 1	
300PX	Cap	88.9 x 48.3mm, 60.3mm;	365
		114.3 x 48.3mm, 60.3mm;	
		139.7 x 48.3mm, 60.3mm;	
		165.1 x 48.3mm;	
		168.3 x 48.3mm, 60.3mm	
300PX	Cap	219.1 x 48.3mm, 60.3mm	300
CP	Cap	1-1/4, 1-1/2, 2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8, 10, 12	500
CP	Cap	33.7mm	500
CP	Cap	108.0mm, 133.0mm, 139.7mm, 159.0mm, 216.3mm	300
CP	Cap	76.1 x 48.3mm	500
CP	Cap	88.9 x 60.3mm;	365
		114.3 x 60.3mm;	
		139.7 x 60.3mm;	
		165.1 x 60.3mm	
CP	Cap	88.9 x 21.3mm, 33.7mm, 48.3mm;	300
		114.3 x 21.3mm, 33.7mm, 48.3mm;	
		165.1 x 21.3mm, 33.7mm;	
		168.3 x 48.3mm	
CP2	Cap	88.9 x 48.3mm, 60.3mm;	365
		114.3 x 48.3mm, 60.3mm;	
		139.7 x 48.3mm, 60.3mm;	
		165.1 x 48.3mm;	
		168.3 x 48.3mm, 60.3mm	
CP2	Cap	219.1 x 48.3mm, 60.3mm	300
CP2	Cap	2-1/2 x 1; 3OD x 1; 4 x 1	
321G	Flange Adapter	2, 2-1/2, 3 OD, 3, 4, 5, 5-1/2 OD, 6, 6-1/2 OD, 8	300

321G	Flange Adapter	10, 12	225
321G	Flange Adapter	33.7mm, 42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm	300
321G	Flange Adapter	219.1mm, 273.1mm, 323.9mm	225
321GE	Flange Adapter	2, 3OD, 3, 8, 10	300
AF16E	Flange Adapter	2, 3OD, 3, 8, 10	300
321GA	Flange Adapter	2, 4, 8, 10	300
AFA	Flange Adapter	2, 4, 8, 10	300
321GH	Flange Adapter	159.0mm	300
321GH	Flange Adapter	4-1/4OD(108mm), 4, 6-1/2OD(165.1mm), 8	365
321GL	Flange Adapter	219.1mm, 273.0mm	225
AF16	Flange Adapter	2, 2-1/2, 3 OD, 3, 4, 5-1/2OD, 5, 6, 6-1/2 OD, 8	
AF16	Flange Adapter	10, 12	
AF16	Flange Adapter	33.7mm, 42.4mm, 48.3mm, 60.3mm, 73.0mm, 76.1mm, 88.9mm, 108.0mm, 114.3mm, 133.0mm, 139.7mm, 141.3mm, 159.0mm, 165.1mm, 168.3mm	300
AF16	Flange Adapter	219.1mm, 273.1mm, 323.9mm	225
AF25	Flange Adapter	159.0mm	300
AF25	Flange Adapter	4-1/4OD(108mm), 4, 6-1/2OD(165.1mm), 8	365
AF10	Flange Adapter	219.1mm, 273.0mm	225
90X	90 Degree Short Elbow	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 10, 12	300
E1X	90 Degree Short Elbow	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 10, 12	300
110X	22.5 Degree Short Elbow	4, 6-1/4OD, 6-1/2OD	300
E3X	22.5 Degree Short Elbow	4, 6-1/4OD, 6-1/2OD	300
120X	45 Degree Short Elbow	3, 4-1/4OD, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 8, 10	300
E4X	45 Degree Short Elbow	3, 4-1/4OD, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 8, 10	300
130X	Short Tee	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
TX	Short Tee	3, 4-1/4OD, 4, 5-1/4OD, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6, 8, 10, 12	300
130R	Reducing Tee	10 x 4	500
130RX	Short Reducing Tee, Grooved	3 x 2-1/2, 3OD;	300
		4 x 2, 2-1/2, 3;	
		5-1/2OD x 4;	
		5 x 4;	

		6-1/4OD x 3, 4-1/4OD, 4, 5-1/4OD;	
		6-1/2OD x 2, 3OD, 3, 4, 5-1/2OD;	
		6 x 2, 2-1/2, 3OD, 3, 4, 5-1/2OD, 5;	
		8 x 3OD, 3, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6;	
		10 x 6-1/4OD, 6-1/2OD, 6, 8;	
		12 x 4, 6-1/4OD, 6-1/2OD, 8, 10	
131RX	Short Reducing Tee, Threaded	2 x 1, 1-1/2;	300
		2-1/2 x 1-1/2, 2;	
		3OD x 1-1/2, 2;	
		3 x 1, 1-1/2, 2;	
		4-1/4OD x 3OD;	
		4 x 2, 3OD, 3;	
		6-1/2OD x 2, 3OD, 3, 4;	
		6 x 2, 3OD, 3, 4;	
		8 x 3OD, 4	
RTX	Short Reducing Tee, Grooved	3 x 2-1/2, 3OD;	300
		4 x 2, 2-1/2, 3;	
		5-1/2OD x 4;	
		5 x 4;	
		6-1/4OD x 3, 4-1/4OD, 4, 5-1/4OD;	
		6-1/2OD x 2, 3OD, 3, 4, 5-1/2OD;	
		6 x 2, 2-1/2, 3OD, 3, 4, 5-1/2OD, 5;	
		8 x 3OD, 3, 4, 5-1/2OD, 6-1/4OD, 6-1/2OD, 6;	
		10 x 6-1/4OD, 6-1/2OD, 6, 8;	
		12 x 4, 6-1/4OD, 6-1/2OD, 8, 10	
T1X	Short Reducing Tee, Threaded	2 x 1, 1-1/2;	300
		2-1/2 x 1-1/2, 2;	
		3OD x 1-1/2, 2;	
		3 x 1, 1-1/2, 2;	
		4-1/4OD x 3OD;	
		4 x 2, 3OD, 3;	
		6-1/2OD x 2, 3OD, 3, 4;	

		6 x 2, 3OD, 3, 4;	
		8 x 3OD, 4	
180X	Short Cross	6-1/4OD, 6-1/2OD, 6, 8	300
CX	Short Cross	6-1/4OD, 6-1/2OD, 6, 8	300
180RX	Short Reducing Cross, Grooved	6-1/2OD x 4;	300
		6 x 4;	
		8 x 6-1/2OD, 6	
CRX	Short Reducing Cross, Grooved	6-1/2OD x 4;	300
		6 x 4;	
		8 x 6-1/2OD, 6	
181RX	Short Reducing Cross, Threaded	6-1/2OD x 3	300
CTRX	Short Reducing Cross, Threaded	6-1/2OD x 3	300
240NX	Short Concentric Reducer With Female Thread	3OD x 2;	300
		3 x 2, 3OD;	
		4-1/4OD x 3OD, 3;	
		4 x 1-1/2, 2, 3OD, 3;	
		6-1/2OD x 2, 3OD, 3, 4;	
		8 x 1	
RCNX	Short Concentric Reducer With Female Thread	3OD x 2;	300
		3 x 2, 3OD;	
		4-1/4OD x 3OD, 3;	
		4 x 1-1/2, 2, 3OD, 3;	
		6-1/2OD x 2, 3OD, 3, 4;	
		8 x 1	
240X	Short Grooved Concentric Reducer	4 x 3OD, 3;	300
		5-1/2OD x 4;	
		6-1/4OD x 4-1/4OD, 4;	
		6-1/2OD x 3, 4, 5-1/2OD;	
		6 x 4, 5-1/2OD;	

		8 x 4, 5-1/4OD, 6-1/2OD;	
		10 x 4, 8;	
		12 x 4, 6-1/4OD, 6-1/2OD	
RCX	Short Grooved Concentric Reducer	4 x 3OD, 3;	300
		5-1/2OD x 4;	
		6-1/4OD x 4-1/4OD, 4;	
		6-1/2OD x 3, 4, 5-1/2OD;	
		6 x 4, 5-1/2OD;	
		8 x 4, 5-1/4OD, 6-1/2OD;	
		10 x 4, 8;	
		12 x 4, 6-1/4OD, 6-1/2OD	
220N	PAINTED GROOVED x FEMALE ADAPTER	2, 2-1/2, 3, 4	500

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VIZM.EX6464 - Fittings, Rubber Gasketed

Fittings, Rubber Gasketed

JINAN MEIDE CASTING CO LTD
Meide Science and Technology Park
Pingyin Industrial Park
JINAN, SHANDONG 250400 China

EX6464

Coupling

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
1G	Rolled	10	1-1/4, 1-1/2, 2-1/2	500
1G	Rolled	10	2, 3, 4, 5, 6	500
1G	Rolled	10	8	500
1G	Rolled	10	10, 12	500
1G	Rolled	1387-10	3 OD, 6-1/2 OD	300
1G	Rolled	1387-M	5-1/2 OD	450
1G	Rolled, Cut	40	1-1/4, 1-1/2	500
1G	Rolled, Cut	40	2, 2-1/2, 3, 4, 5, 6	500
1G	Rolled, Cut	40	8	500
1G	Rolled, Cut	40	10, 12	500
1G	Rolled, Cut	1387-40	3 OD, 6-1/2 OD	300
1G	Rolled, Cut	1387-H	5-1/2 OD	450
1G	Rolled, Cut	4200	33.7 / 3.2mm, 108.0 / 4.0mm	500
1G	Rolled, Cut	4200	133.0 / 5.4mm, 159.0 / 4.0mm	300
1G	Rolled, Cut	3454-20	267.4 / 6.4mm, 318.5 / 6.4mm	225
1G	Rolled, Cut	4200	355.6 / 6.3mm, 406.4 / 6.3mm	175
1GS	Rolled	10	4	365

1GS	Rolled	10	3, 6, 8, 10	300
1GS	Rolled	40	3, 4, 6, 8, 10	300
1GS	Rolled	1387-M	3 OD, 5-1/2 OD, 6-1/2 OD	300
1GS	Rolled	1387-H	3 OD, 5-1/2 OD, 6-1/2 OD	300
1GS	Rolled, Cut	4200	108.0 / 4.0mm, 141.3 / 6.3mm, 159.0 / 4.0mm	300
1GS	Rolled, Cut	3454-20	216.3 / 6.4mm	300
1GK	Rolled, Cut	4200 E	1-1/4, 1-1/2, 2	500
1GK	Rolled, Cut	4200 E	3, 4	300
1GK	Rolled, Cut	4200 E	76.1mm	300
1GK	Rolled, Cut	4200 D	139.7mm	300
1GK	Rolled, Cut	1387-M	165.1mm	300
1GK	Rolled, Cut	3454-20	216.3mm	300
1GK	Rolled	10	2-1/2	500
1GK	Rolled	10	6, 8, 10	300
1GK	Rolled, Cut	40	2-1/2	500
1GK	Rolled, Cut	40	6, 8, 10	300
1GX	Rolled	10	1-1/4, 1-1/2, 3, 4, 8, 10	300
1GX	Rolled, Cut	40	1-1/4, 1-1/2, 3, 4, 8, 10	300
1GX	Rolled	GB/T 21835	3OD(4.5mm), 4-1/4OD(5.4mm) 5-1/4OD(5.6mm), 5-1/2OD(5.6mm) 6-1/4OD(6.3mm), 6-1/2OD(6.3mm)	300
1GX	Rolled	10	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 8, 10	363
1GX	Rolled, Cut	40	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 8, 10	363
1GX	Rolled, Cut	GB/T 21835	3OD(4.5mm), 4-1/4OD(5.4mm), 5-1/4OD(5.6mm), 5-1/2OD(5.6mm), 6-1/4OD(6.3mm), 6-1/2OD(6.3mm)	363
1GH	Rolled	10	2, 2-1/2, 3, 4, 5, 6, 8	750
1GH	Rolled, cut	40	2, 2-1/2, 3, 4, 5, 6, 8	750

1GH	Rolled, cut	T21835	3OD(5.0mm), 5-1/2OD (6.3mm), 6-1/2OD(7.1mm)	750
1GH	Rolled	10	10, 12	750
1GH	Rolled, cut	40	10, 12	750
R1X	Rolled	10	1-1/4, 1-1/2, 3, 4, 8, 10	300
R1X	Rolled, Cut	40	1-1/4, 1-1/2, 3, 4, 8, 10	300
R1X	Rolled	GB/T 21835	3OD(4.5mm), 4-1/4OD(5.4mm) 5-1/4OD(5.6mm), 5-1/2OD(5.6mm) 6-1/4OD(6.3mm), 6-1/2OD(6.3mm)	300
1GKX	Rolled	10	4, 8	300
1GKX	Rolled, Cut	40	4, 8	300
1GKX	Rolled	GB/T 21835	6-1/2OD(6.3mm)	300
R1KX	Rolled	10	4, 8	300
R1KX	Rolled, Cut	40	4, 8	300
R1KX	Rolled	GB/T 21835	6-1/2OD(6.3mm)	300
1GT	Rolled	10	2, 3, 4	300
1GT	Rolled, Cut	40	2, 3, 4	300
1GT	Rolled, Cut	4200	3OD(4.5mm), 5-1/2OD(5mm)	300
1GT	Rolled, Cut	10255-M	6-1/2OD	300
1GT	Rolled, Cut	3454-20	216.3mm	300
1GT	Rolled, Cut	3454-40	216.3mm	300
R1T	Rolled	10	2, 3, 4	300
R1T	Rolled, Cut	40	2, 3, 4	300
R1T	Rolled, Cut	4200	3OD(4.5mm), 5-1/2OD(5mm)	300
R1T	Rolled, Cut	10255-M	6-1/2OD	300
R1T	Rolled, Cut	3454-20	216.3mm	300

R1T	Rolled, Cut	3454-40	216.3mm	300
R10	Rolled, Cut	3452- SPP SGP	2, 76.1mm, 3, 4, 139.7mm, 165.1mm, 216.3mm, 267.4mm, 318.5mm	300
R2K	Rolled, Cut	3452- SPP SGP	2, 76.1mm, 3, 4, 139.7mm, 165.1mm, 216.3mm, 267.4mm, 318.5mm	300
R20	Rolled, Cut	3454-40	2, 76.1mm, 3, 4, 139.7mm, 165.1mm, 216.3mm, 267.4mm, 318.5mm	500
R1KSK	Rolled, Cut	3454-40	2, 76.1mm, 3, 4, 139.7mm, 165.1mm, 216.3mm, 267.4mm, 318.5mm	500
R1	Rolled	10	1-1/4, 1-1/2, 2-1/2	500
R1	Rolled	10	2, 3, 4, 5, 6	300
R1	Rolled	10	8	450
R1	Rolled	10	10, 12	300
R1	Rolled	1387-10	3 OD, 6-1/2 OD	300
R1	Rolled	1387-M	5-1/2 OD	450
R1	Rolled, Cut	40	1-1/4, 1-1/2	500
R1	Rolled, Cut	40	2, 2-1/2, 3, 4, 5, 6	300
R1	Rolled, Cut	40	8	450
R1	Rolled, Cut	40	10, 12	400
R1	Rolled, Cut	1387-40	3 OD, 6-1/2 OD	300
R1	Rolled, Cut	1387-H	5-1/2 OD	450
R1	Rolled, Cut	4200	33.7 / 3.2mm, 108.0 / 4.0mm	500
R1	Rolled, Cut	4200	133.0 / 5.4mm, 159.0 / 4.0mm	300
R1	Rolled, Cut	3454-20	267.4 / 6.4mm, 318.5 / 6.4mm	225
R1	Rolled, Cut	4200	355.6 / 6.3mm, 406.4 / 6.3mm	175
R11	Rolled	10	4	365
R11	Rolled	10	3, 6, 8	300
R11	Rolled	40	3, 4, 6, 8	300
R11	Rolled	1387-M	3 OD, 5-1/2 OD, 6-1/2 OD	300

R11	Rolled	1387-H	3 OD, 5-1/2 OD, 6-1/2 OD	300
R11	Rolled, Cut	4200	108.0 / 4.0mm, 141.3 / 6.3mm, 159.0 / 4.0mm	300
R11	Rolled, Cut	3454-20	216.3 / 6.4mm	300
R2	Rolled, Cut	4200 E	1-1/4, 1-1/2, 2	500
R2	Rolled, Cut	4200 E	3, 4	300
R2	Rolled, Cut	4200 E	76.1mm	300
R2	Rolled, Cut	4200 D	139.7mm	300
R2	Rolled, Cut	1387-M	165.1mm	300
R2	Rolled, Cut	3454-20	216.3mm	300
R2	Rolled	10	2-1/2	500
R2	Rolled	10	6, 8, 10	300
R2	Rolled, Cut	40	2-1/2	500
R2	Rolled, Cut	40	6, 8, 10	300

Flexible coupling

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
1N	Rolled	10	2, 2-1/2, 3, 4, 5	300
1N	Rolled	10	1-1/4, 1-1/2, 6, 8	500
1N	Rolled	1387-10	3 OD, 6-1/2 OD	300
1N	Rolled	1387-M	5-1/2 OD	450
1N	Rolled	1387-M, 10	3 OD x 1-1/2, 2; 3 x 3 OD; 4 x 3 OD; 8 x 6-1/2 OD	300
1N	Rolled	EN10255- M	88.9mm x 60.3mm; 114.3mm x 60.3mm, 88.9mm; 165.1mm x 114.3mm;	360
1N	Rolled, Cut	40	2, 2-1/2, 3, 4, 5	300
1N	Rolled, Cut	40	1-1/4, 1-1/2, 6, 8	500

1N	Rolled, Cut	1387-40	3 OD, 6-1/2 OD	300
1N	Rolled, Cut	1387-H	5-1/2 OD	450
1N	Rolled, Cut	1387-H, 40	3 OD x 1-1/2, 2; 3 x 3 OD; 4 x 3 OD; 8 x 6-1/2 OD	300
1N	Rolled	EN10255- H	88.9mm x 60.3mm; 114.3mm x 60.3mm, 88.9mm; 165.1mm x 114.3mm;	360
1N	Rolled, cut	10, 40	2-1/2 x 2; 3 x 2, 2-1/2; 4 x 2, 2-1/2, 3; 5 x 4; 6 x 4, 5; 8 x 6	360
1N	Rolled, Cut	4200	33.7 / 3.2mm, 108.0 / 4.0mm	500
1N	Rolled, Cut	4200	133.0 / 5.4mm, 159.0 / 4.0mm	300
1N	Rolled, Cut	4200	73.0 / 3.2 x 33.7 / 3.2mm; 76.1 / 3.6 x 33.7 / 3.2mm; 88.9 / 3.2 x 33.7 / 3.2mm; 114.3 / 3.6 x 33.7 / 3.2mm; 168.3 / 4.0 x 88.9 / 3.2mm	300
1N	Rolled, cut	4200	60.3mm(4.0mm) x 33.7(3.2mm), 48.3mm(4.0mm); 219.1mm(5.0mm) x 168.3mm(5.0mm)	360
1N	Rolled, Cut	4200	273.0 / 6.3mm, 323.9 / 6.3mm	500
F1	Rolled, Cut	3452-SPP SGP	216.3mm, 267.4mm, 318.5mm	300
C1K	Rolled, Cut	3452-SPP SGP	216.3mm, 267.4mm, 318.5mm	300
1NH	Rolled, Cut	4200	60.3 / 3.2mm, 73.0 / 3.2mm, 76.1 / 3.6mm, 88.9 / 3.2mm, 114.3 / 3.6mm, 141.3 / 6.3mm	750
1NH	Rolled, Cut	4200	168.3 / 4.0mm, 219.1 / 5.0mm	750
1NH	Rolled, Cut	EN10255- M	139.7mm, 165.1 / 5.0mm	750
1NH	Rolled	10	12	500
1NH	Rolled, Cut	40	12	500
1NH	Rolled	10	2, 2-1/2, 3, 4, 5, 6, 8	750

1NH	Rolled, Cut	40	2, 2-1/2, 3, 4, 5, 6, 8	750
1NX	Rolled, Cut	10, 40	2-1/2	300
1NX	Rolled	10	6, 8, 10	300
1NX	Rolled, Cut	40	6, 8, 10	300
C1X	Rolled	10	6, 8, 10	300
C1X	Rolled, Cut	40	6, 8, 10	300
1N	Rolled, Cut	10, 40	6 x 6-1/2OD(6.3mm)	300
1N	Rolled	GB/T 21835	6-1/2OD(6.3mm) x 3;	300
1N	Rolled, Cut	GB/T 21835	3OD(4.5mm) x 2-1/2(4.5mm)	300
1NT	Rolled	10	2, 3, 4	300
1NT	Rolled Cut	40	2, 3, 4	300
1NT	Rolled Cut	4200	3OD(4.5mm), 5-1/2OD(5mm), 6-1/2OD(6.3mm)	300
1NT	Rolled Cut	3452	216.3 mm	300
1NS	Rolled Cut	10, 40	3, 4, 6, 10	300
1NS	Rolled Cut	GB/T 21835	5-1/2OD(5.6mm), 6-1/2OD(6.3mm)	300
1NS	Rolled Cut	10, 40	6 x 4	300
C1T	Rolled	10	2, 3, 4	300
C1T	Rolled Cut	40	2, 3, 4	300
C1T	Rolled Cut	4200	3OD(4.5mm), 5-1/2OD(5mm), 6-1/2OD(6.3mm)	300
C1T	Rolled Cut	3452	216.3 mm	300
C1	Rolled	10	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6	300
C1	Rolled	10	8	450
C1	Rolled	1387-10	3 OD, 6-1/2 OD	300
C1	Rolled	1387-M	5-1/2 OD	450

C1	Rolled	1387-M, 10	2-1/2 x 2; 3 OD x 1-1/2, 2; 3 x 2, 2-1/2, 3 OD; 4 x 2, 2-1/2, 3 OD, 3; 6-1/2 OD x 4; 6 x 4; 8 x 6-1/2 OD, 6	300
C1	Rolled, Cut	40	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 5, 6	300
C1	Rolled, Cut	40	8	450
C1	Rolled, Cut	1387-40	3 OD, 6-1/2 OD	300
C1	Rolled, Cut	1387-H	5-1/2 OD	450
C1	Rolled, Cut	1387-H, 40	2-1/2 x 2; 3 OD x 1-1/2, 2; 3 x 2, 2-1/2, 3 OD; 4 x 2, 2-1/2, 3 OD, 3; 6-1/2 OD x 4; 6 x 4; 8 x 6-1/2 OD, 6	300
C1	Rolled, Cut	4200	33.7 / 3.2mm, 108.0 / 4.0mm	500
C1	Rolled, Cut	4200	133.0 / 5.4mm, 159.0 / 4.0mm	300
C1	Rolled, Cut	4200	60.3 / 3.2 x 48.3 / 4.0mm; 73.0 / 3.2 x 33.7 / 3.2mm; 76.1 / 3.6 x 33.7 / 3.2mm; 88.9 / 3.2 x 33.7 / 3.2mm; 114.3 / 3.6 x 33.7 / 3.2mm; 168.3 / 4.0 x 88.9 / 3.2mm	300
C1	Rolled, Cut	4200	273.0 / 6.3mm, 323.9 / 6.3mm	225
CH	Rolled, Cut	4200	60.3 / 3.2mm, 73.0 / 3.2mm, 76.1 / 3.6mm, 88.9 / 3.2mm, 114.3 / 3.6mm, 141.3 / 6.3mm	500
CH	Rolled, Cut	4200	168.3 / 4.0mm, 219.1 / 5.0mm	300
CH	Rolled, Cut	1387 M	165.1 / 5.0mm	300

Flange adapter

Model	Groove Type	Pipe	Size (in.)	Rated Pressure (psig)
321	Rolled	10	2, 2-1/2, 3, 4, 5, 6, 8	300
321	Rolled	1387-10	3OD, 6-1/2 OD	300
321	Rolled	10	10, 12	225
321	Rolled, Cut	40	2, 2-1/2, 3, 4, 5, 6, 8	300
321	Rolled, Cut	1387-40	3OD, 6-1/2 OD	300
321	Rolled, Cut	40	10, 12	225
321	Rolled, Cut	4200	48.3 / 4.0mm, 108.0 / 3.6mm	300
321	Rolled, Cut	4200	133.0 / 3.2mm, 139.7 / 3.6mm, 159.0 / 4.5mm	225
321A	Rolled	10	2, 2-1/2, 3, 4	300
321A	Rolled, cut	10, 40	5	250

321A	Rolled, Cut	4200	219.1 / 5.0mm, 273.0 / 6.3mm, 323.9 / 6.3mm	250
321AS	Rolled	10	2, 2-1/2, 3	300
321AS	Rolled	10	4, 5	225
GFAS	Rolled	10	2, 2-1/2, 3	300
GFAS	Rolled	10	4, 5	225
321H	Rolled, Cut	1387-M	165.1mm	225
321HS	Rolled, Cut	4200	108.0 / 3.6mm	365
321HS	Rolled, Cut	1387-M	165.1mm	225
GFHS	Rolled, Cut	4200	108.0 / 3.6mm	365
GFHS	Rolled, Cut	1387-M	165.1mm	225
321S	Rolled	10	1-1/2, 2, 3, 4	300
321S	Rolled	10	6	225
321S	Rolled, Cut	4200	76.1 / 2.9mm, 108.0 / 3.6mm, 133.0 / 3.2mm	300
321S	Rolled, Cut	4200	139.7 / 3.6mm, 159.0 / 4.5mm	225
321S	Rolled, Cut	1387-M	165.1mm	225
GFS	Rolled	10	1-1/2, 2, 3, 4	300
GFS	Rolled	10	6	225
GFS	Rolled, Cut	4200	76.1 / 2.9mm, 108.0 / 3.6mm, 133.0 / 3.2mm	300
GFS	Rolled, Cut	4200	139.7 / 3.6mm, 159.0 / 4.5mm	225
GFS	Rolled, Cut	1387-M	165.1mm	225
321E	Rolled	10	2, 3, 4, 8	300
321E	Rolled, Cut	40	2, 3, 4, 8	300
321E	Rolled	GB/T 21835	6-1/2OD(6.3mm)	300
GFE	Rolled	10	2, 3, 4, 8	300
GFE	Rolled, Cut	40	2, 3, 4, 8	300
GFE	Rolled	GB/T 21835	6-1/2OD(6.3mm)	300
GF16	Rolled	10	2, 2-1/2, 3, 4, 5, 6, 8	300
GF16	Rolled	1387-10	3OD, 6-1/2 OD	300
GF16	Rolled	10	10, 12	225
GF16	Rolled, Cut	40	2, 2-1/2, 3, 4, 5, 6, 8	300
GF16	Rolled, Cut	1387-40	3OD, 6-1/2 OD	300
GF16	Rolled, Cut	40	10, 12	225
GF16	Rolled, Cut	4200	48.3 / 4.0mm, 108.0 / 3.6mm	300

GF16	Rolled, Cut	4200	133.0 / 3.2mm, 139.7 / 3.6mm, 159.0 / 4.5mm	225
GFA	Rolled	10	2, 2-1/2, 3, 4	300
GFA	Rolled, Cut	4200	219.1 / 5.0mm, 273.0 / 6.3mm, 323.9 / 6.3mm	175
GF25	Rolled, Cut	1387-M	165.1mm	225

Side outlet

Model	Outlet Type	Pipe	Size (in.)	Rated Pressure (psig)
3G	Grooved	10, 40	3 x 2;	300
			4 x 2, 3OD;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 2, 3OD;	
			10 x 3OD, 3	
3G	Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	
3G	Grooved	10, 40	3 x 1;	300
			4 x 1;	
			8 x 76.1mm, 3, 108.0mm, 4	
3G	Grooved	10, 40	2 x 1-1/4, 1-1/2; 2-1/2 x 1-1/4, 1-1/2; 3 x 1-1/4, 1-1/2; 4 x 1-1/4, 1-1/2, 2-1/2, 3; 6 x 1-1/2, 2-1/2, 3, 4; 8 x 2, 2-1/2	400
3G	Grooved	4200	76.1 / 3.6 x 33.7 / 3.2mm;	300
			133.0 / 3.2mm x 88.9mm;	
			139.7 / 3.6mm x 42.4mm, 48.3mm;	
			273.0 / 6.3 x 108.0 / 4.0mm, 114.3 / 3.6mm	
3G	Grooved	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 108.0mm, 114.3mm	
3G	Grooved	1387-M	165.1 x 114.3mm	225
3G	Grooved	GB/T 21835	6-1/4OD(6.3mm) x 2	300
3GS	Grooved	10, 40	3 x 1, 1-1/4, 1-1/2, 2;	300
			4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	

			5 x 2;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			8 x 2, 2-1/2, 76.1mm, 3, 108.0mm, 4	
3GS	Grooved	10, 40	6 x 4	225
3GS	Grooved	10, 40	5 x 2-1/2, 3	400
3GS	Grooved	4200	133.0 / 3.2mm x 88.9mm;	300
			139.7 / 3.6mm x 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	
3GS	Grooved	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 108.0mm, 114.3mm	
3GS	Grooved	1387-M	165.1 x 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	300
3GS	Grooved	1387-M	165.1 x 108.0mm, 114.3mm	225
3GS	Grooved	GB/T 21835	6-1/4OD(6.3mm) x 3	300
3J	Threaded	10, 40	1 x 1/2;	300
			1-1/4 x 1/2, 3/4;	
			1-1/2 x 1/2, 3/4	
			3 x 2;	
			4 x 2;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 2, 3	
3J	Threaded	1387-M, 1387-H	3 OD x 1, 1-1/4, 1-1/2;	300
			5-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	
3J	Threaded	10, 40	8 x 1, 1-1/4, 1-1/2, 2-1/2, 76.1mm, 3, 4	300
3J	Threaded	10, 40	2 x 1, 1-1/4, 1-1/2; 2-1/2 x 1, 1-1/4, 1-1/2; 3 x 1/2, 3/4, 1, 1-1/4, 1-1/2; 4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2-1/2, 3; 6 x 1-1/2, 2-1/2, 4; 8 x 2	400
3J	Threaded	4200	273.0 / 6.3 x 114.3 / 3.6mm	225
3J	Threaded	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 114.3mm	
3J	Threaded	4200	76.1 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm;	300

			108.0 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm;	
			133.0 / 3.2mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			139.7 / 3.6mm x 21.3mm, 26.9mm;	
			159.0 / 4.5mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			273.0 x 48.3 / 4.0mm, 60.3 / 3.2mm, 76.1 / 3.6mm, 88.9 / 3.2mm	
3J	Threaded	4200	60.3mm(3.2mm) x 21.3mm(2.8mm), 26.9mm(2.9mm); 73.0mm(3.2mm) x 21.3mm(2.8mm), 26.9mm(2.9mm);	400
3J	Threaded	1387-M	165.1 x 21.3mm, 26.9mm	300
3J	Threaded	1387-M	165.1 x 114.3mm	225
3JS	Threaded	10, 40	3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2;	300
			4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			5 x 2;	
			6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3, 4	
3JS	Threaded	10, 40	6 x 4	225
3JS	Threaded	4200	108.0 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm;	300
			133.0 / 3.2mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			139.7 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			159.0 / 4.5mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	
3JS	Threaded	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 114.3mm	
3JS	Threaded	1387-M	165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	300
3JS	Threaded	1387-M	165.1 x 114.3mm	225
3JS	Threaded	10, 40	5 x 1-1/2	400
3JX	Threaded	10, 40	2-1/2 x 1, 1-1/2; 3 x 1, 1-1/4, 1-1/2, 2; 4 x 1, 1-1/4, 1-1/2, 2, 3OD	300
3JX	Threaded	GB/T 21835	3OD(4.5mm) x 1, 1-1/4	300

MT3X	Threaded	10, 40	2-1/2 x 1, 1-1/2; 3 x 1, 1-1/4, 1-1/2, 2; 4 x 1, 1-1/4, 1-1/2, 2, 3OD	300
MT3X	Threaded	GB/T 21835	3OD(4.5mm) x 1, 1-1/4	300
3L	Threaded	4200	42.4 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	300
			48.3 / 4.0 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			60.3 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			73.0 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			76.1 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			88.9 / 3.2 x 33.7 / 3.2mm	
4G	Grooved	10, 40	2 x 1-1/4, 1-1/2;	300
			2-1/2 x 1-1/4, 1-1/2;	
			3 x 1-1/4, 1-1/2, 2;	
			4 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
4G	Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	
4J	Threaded	10, 40	2 x 1, 1-1/4, 1-1/2;	300
			2-1/2 x 1, 1-1/4, 1-1/2;	
			3 x 1, 1-1/4, 1-1/2, 2;	
			4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
4J	Threaded	1387-M, 1387-H	3 OD x 1, 1-1/4, 1-1/2;	300
			5-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	
4JG	Threaded and Grooved	10, 40	2 x 1-1/4, 1-1/2;	300
			2-1/2 x 1-1/4, 1-1/2;	
			3 x 1-1/4, 1-1/2, 2;	
			4 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	

			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
4JG	Threaded and Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	
MT2	Grooved	10, 40	2 x 1-1/4, 1-1/2;	300
			2-1/2 x 1-1/4, 1-1/2;	
			3 x 1-1/4, 1-1/2, 2;	
			4 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
MT2	Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	
MT2	Grooved	10, 40	3 x 1;	300
			4 x 1;	
			8 x 2, 2-1/2, 76.1mm, 3, 108.0mm, 4	
MT2	Grooved	4200	76.1 / 3.6 x 33.7 / 3.2mm;	300
			133.0 / 3.2mm x 88.9mm;	
			139.7 / 3.6mm x 42.4mm, 48.3mm;	
			273.0 / 6.3 x 108.0 / 4.0mm, 114.3 / 3.6mm	
MT2	Grooved	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 108.0mm, 114.3mm	
MT2	Grooved	1387-M	165.1 x 114.3mm	225
MTL2	Grooved	10, 40	3 x 1, 1-1/4, 1-1/2, 2;	300
			4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			8 x 2, 2-1/2, 76.1mm, 3, 108.0mm, 4	
MTL2	Grooved	10, 40	6 x 4	225
MTL2	Grooved	4200	133.0 / 3.2mm x 88.9mm;	300
			139.7 / 3.6mm x 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	
MTL2	Grooved	4200	139.7 / 3.6mm x 114.3mm;	175

			159.0 / 4.5mm x 108.0mm, 114.3mm	
MTL2	Grooved	1387-M	165.1 x 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	300
MTL2	Grooved	1387-M	165.1 x 108.0mm, 114.3mm	225
MTL2	Grooved	GB/T 21835	6-1/4OD(6.3mm) x 3	300
MT3	Grooved	10, 40	2 x 1, 1-1/4, 1-1/2;	300
			2-1/2 x 1, 1-1/4, 1-1/2;	
			3 x 1, 1-1/4, 1-1/2, 2;	
			4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
MT3	Threaded	1387-M, 1387-H	3 OD x 1, 1-1/4, 1-1/2;	300
			5-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	
MT3	Threaded	10, 40	3 x 1/2, 3/4;	300
			4 x 1/2, 3/4;	
			8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3, 4	
MT3	Threaded	4200	273.0 / 6.3 x 114.3 / 3.6mm	225
MT3	Threaded	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 114.3mm	
MT3	Threaded	4200	60.3 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm;	300
			73.0 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm;	
			76.1 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm;	
			108.0 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm;	
			133.0 / 3.2mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			139.7 / 3.6mm x 21.3mm, 26.9mm;	
			159.0 / 4.5mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			273.0 x 48.3 / 4.0mm, 60.3 / 3.2mm, 76.1 / 3.6mm, 88.9 / 3.2mm	
MT3	Threaded	1387-M	165.1 x 21.3mm, 26.9mm	300
MT3	Threaded	1387-M	165.1 x 114.3mm	225
MTL3	Threaded	10, 40	3 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2;	300

			4 x 1/2, 3/4, 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			6 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3;	
			8 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 76.1mm, 3, 4	
MTL3	Threaded	10	6 x 4	225
MTL3	Threaded	4200	108.0 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm;	300
			133.0 / 3.2mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			139.7 / 3.6mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm;	
			159.0 / 4.5mm x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	
MTL3	Threaded	4200	139.7 / 3.6mm x 114.3mm;	175
			159.0 / 4.5mm x 114.3mm	
MTL3	Threaded	1387-M	165.1 x 21.3mm, 26.9mm, 33.7mm, 42.4mm, 48.3mm, 60.3mm, 76.1mm, 88.9mm	300
MTL3	Threaded	1387-M	165.1 x 114.3mm	225
MT1	Threaded	4200	42.4 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	300
			48.3 / 4.0 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			60.3 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			73.0 / 3.2 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			76.1 / 3.6 x 21.3 / 2.8mm, 26.9 / 2.9mm, 33.7 / 3.2mm;	
			88.9 / 3.2 x 33.7 / 3.2mm	
MT22	Grooved	10, 40	2 x 1-1/4, 1-1/2;	300
			2-1/2 x 1-1/4, 1-1/2;	
			3 x 1-1/4, 1-1/2, 2;	
			4 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
MT22	Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	
MT33	Threaded	10, 40	2 x 1, 1-1/4, 1-1/2;	300
			2-1/2 x 1, 1-1/4, 1-1/2;	
			3 x 1, 1-1/4, 1-1/2, 2;	

			4 x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
MT33	Threaded	1387-M, 1387-H	3 OD x 1, 1-1/4, 1-1/2;	300
			5-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6-1/2 OD x 1, 1-1/4, 1-1/2, 2, 2-1/2, 3	
MT23	Threaded and Grooved	10, 40	2 x 1-1/4, 1-1/2;	300
			2-1/2 x 1-1/4, 1-1/2;	
			3 x 1-1/4, 1-1/2, 2;	
			4 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			5 x 1-1/4, 1-1/2, 2, 2-1/2, 3;	
			6 x 1-1/4, 1-1/2, 2, 2-1/2, 3, 4	
MT23	Threaded and Grooved	1387-M, 1387-H	3 OD x 1-1/4, 1-1/2;	300
			5-1/2 OD x 2, 2-1/2, 3;	
			6-1/2 OD x 2, 2-1/2, 3	

The fittings are suitable for use in dry pipe systems for temperatures to -40 F with the exception of Model 1GK, 1GX, 1GKX, 1NX, 321E, 1NT, 1GT.

Model 3J, 3JS, 3L, MT3, MTL3 and MT1 in the 1/2 in. and 3/4 in. nominal outlet sizes are intended for direct connection to sprinklers.

Models 3J, 3JS, 3JX, 4J, MT3, MTL3 and MT33 in the 1 in. nominal outlet sizes are intended for direct connection to sprinklers.

Models 3G, 3GS, 3J, 3JS, 3JX, 3L, 4G, 4J, 4JG, MT2, MTL2, MT3, MTL3, MT1, MT22, MT33 and MT23 in the 1 in. and larger nominal outlet sizes are intended for connection to system piping.

10 refers to Schedule 10 steel pipe.

40 refers to Schedule 40 steel pipe in accordance with NFPA 13.

1387-10 refers to BS 1387 Schedule 10 steel pipe

1387-40 refers to BS 1387 Schedule 40 steel pipe

1387-M refers to BS 1387 medium steel pipe

1387-H refers to BS 1387 heavy steel pipe

EN 10255-M refers to medium thickness steel pipe manufactured in accordance with BS EN 10255

EN 10255-H refers to heavy thickness steel pipe manufactured in accordance with BS EN 10255

4200 refers to ISO 4200 Group 1 steel pipe

4200 D refers to ISO 4200 Group 1 Type D steel pipe

4200 E refers to ISO 4200 Group 1 Type E steel pipe

3454-20 refers to JIS G3454 Schedule 20 steel pipe

3452-SPP SGP refers to JIS G3452 steel pipe.

3452 refers to JIS G3452 steel pipe.

3454-40 refers to JIS G3454 Schedule 40 steel pipe.

GB/T 21835 refers to steel pipe manufactured in according with GB/T 21835.

10255-M refers to EN 10255 M series steel pipe.

Trademark and/or Tradename:  ,  , 

Last Updated on 2021-07-01

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