

INDICATING VALVES, Butterfly or Ball Type

Design features provide a dependable visible indication of the open position even at a distance. If excessive force is applied to the handle, weakness-joints will break so as to preserve correct orientation between indicator and valve position. Valve and indicator parts are so designed that they can be assembled only one way, always to give correct indication. All FM Approved indicating valves turn clockwise to shut. They are small, lightweight, and, because of a resilient seat, are easy to operate. They are not subject to sticking or dropped gates. They are not recommended for throttling service. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

Anvil International Inc, 110 Corporate Drive, Suite 10, Portsmouth NH 03801

<i>Model Number</i>	<i>Product Type</i>	<i>Nominal Pipe Size in. / mm</i>	<i>Rated Working Pressure, psi (kPa)</i>	<i>Remarks</i>
AE7722-3A	Butterfly Valve, Grooved Ends	2, 2½, 3, 4, 5, 6, 8, 10 in. 76.1, 139.7, 165.1 mm	300 (2070)	a, b, c

Remarks:

- a. Available with dual supervisory switches.
- b. FM Approved for indoor and outdoor service.
- c. FM Approved for aboveground installations only.

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AE7722-3A	Butterfly Valve, Grooved Ends	2, 2½, 3, 4, 5, 6, 8, 10 in. 76.1, 139.7, 165.1 mm	300 (2070)	a, b, c

Remarks:

- a. Available with dual supervisory switches.
- b. Approved for indoor and outdoor service.
- c. Approved for aboveground installations only.

SINGLE CHECK VALVES

Single check valves are used in fire protection systems to allow waterflow in one direction only. Typical applications are at connections between public water supplies and private fire service systems, at the discharge from fire pumps, at gravity tank connections and at fire service pumper connections.

Valves identified in the listing by a single asterisk (*) have side covers; valves identified by a double asterisk (**) have no removable covers; others have top covers. Clearance must be provided for side-cover valves to permit clapper removal. Valves without covers must be removed from the system for clapper replacement or repair. Unless otherwise noted in the listing, these valves have 175 psi (1205 kPa) rated working pressure.

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<i>Model No.</i>	<i>Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
78FP	Swing Check Valve, Cut Groove	2, 2½, 3, 4, 5, 6, 8, 10 in. 76.1, 139.7, 165.1 mm	300 (2070)	a, b

Remarks:

- a. For use in horizontal and vertical installations.
- b. Resilient seat.

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<i>Model No.</i>	<i>Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>	<i>Remarks</i>
78FP	Swing Check Valve, Cut Groove	2, 2½, 3, 4, 5, 6, 8, 10 in. 76.1, 139.7, 165.1 mm	300 (2070)	a, b

Remarks:

- a. For use in horizontal and vertical installations.
- b. Resilient seat.

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<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Pipe Ends</i>	<i>Remarks</i>	<i>Max Working Pressure, psi (kPa)</i>	
Gruvlok 7000	1¼-3	Rolled Groove	c, d, w	300 (2070)	
	1¼, 1½, 2"	"	c, m, w	300 (2070)	
	1¼-4	"	c, e, f, n, r, s, t, u, v, w	300 (2070)	
	1-2	"	c, p, w	175 (1205)	
	1¼, 1½, 2, 2½, 3, 4 1¼-8	Rolled Groove, Cut Groove	a, c, w	300 (2070)	
	1¼-8	Rolled Groove	b, c, k, m, w	300 (2070)	
	2½-8	"	c, k, w	300 (2070)	
	76, 108, 133, 139.7, 159, 165 mm	"	c, h	300 (2070)	
	Gruvlok 7000T	1¼-8	Cut Groove, Rolled Groove	a, b, c, f	175 (1205)
		Gruvlok 7001	Cut Groove Rolled Groove	a, c, w	500 (3445)
1, 1¼, 1½, 2	Rolled Groove		c, m, w	300 (2070)	
1-3	Rolled Groove		c, d, w	300 (2070)	
1, 1¼, 1½, 2, 2½, 3, 4 3-8	"		c, n, w	300 (2070)	
3-8	"		c, k, w	300 (2070)	
1-6	"		b, c, w	500 (3445)	
8	"		b, c, w	400 (2760)	
10	"		b, c, w	450 (3105)	
12	"		b, c, w	350 (2415)	
76.1 mm 165.1 mm 216 mm, 267 mm 318 mm	Cut Groove Rolled Groove Rolled Groove		c, h c, l c, l	500 (3445) 500 (3445) 400 (2760)	

Product Designation	Nominal Pipe Size, in.	Pipe Ends	Remarks	Max Working Pressure, psi (kPa)
7001E	10, 12	Cut Groove	a, b, c, w	175
7000E	1¼, 1½, 2, 2½, 3, 4, 5	Rolled Groove		(1205)
		Cut Groove	a, b, c, d, i, k, t, w	300
	Rolled Groove		(2070)	
	Cut Groove	c, h	300	
	76, 165 mm	Rolled Groove		(2070)
	6, 8	Cut Groove	a, b, c, w	175
		Rolled Groove		(1205)

- a. Min schedule cut groove pipe to be joined: 6 in. or smaller – Schedule 40; 8 in. or larger – Schedule 30.
- b. Min schedule rolled groove pipe to be joined: 6 in. or smaller – Schedule 10; 8 in. or larger – 0.188 in. (5 mm) wall.
- c. With EPDM gasket Grade E (green stripe), Grade E Type A (violet stripe), and Grade E Type A Dri-Seal™ (violet stripe). Flush gap gasket in 1½-12 in. nominal sizes are interchangeable with standard gasket.
- d. Min schedule pipe to be joined: 3 in. or smaller – Allied Tube & Conduit FM Approved “XL”, “Super-XL” and “Super-40” Thinwall pipe.
- e. Min schedule pipe to be joined: Allied Tube “Dyna-Flow” Lightwall pipe, 1¼-4 in. 300 psi (2070 kPa).
- f. Min schedule pipe to be joined: Allied Tube & Conduit “Super-Flo” Lightwall pipe, 1¼ in. 300 psi (2070 kPa).
- h. Metric Pipe: Equivalent to 76.1, 108, 133, 139.7, 159 and 165.1 mm. British Standard 1387, medium or equal.
- j. Central Sprinkler “TL” threadable Thinwall pipe.
- k. Tex-Tube Co. “Tex-Flow” non-threadable Lightwall pipe.
- l. JIS Schedule 20 pipe or heavier.
- m. For use with Northwest “EZ-Flow” in 3 through 6 in. sizes.
- n. Youngstown Tube “Fire-Flo” Non-Threadable Lightwall Sprinkler Pipe.
- p. IDOD Systems Gal-5 and All-Gal, Bull Moose Ultra-Eddy, and Wheatland WST Schedule 5 Pipes.
- r. IDOD Systems Gal-7 and Gal-flo pipe.
- s. Western International Fire Line Flow or Fire Line Thread Light pipe.
- t. Wheatland Mega-Flow, Mega-thread, MLT, GL, and WLS pipe.
- u. Bull Moose EDDY-flow, EDDY-lite pipe.
- v. For use with Yieh Phui SPS Flow Pipe in 1¼ through 4 in. NPS.
- w. EPDM Grade E (green stripe) flush gap gaskets in 1-12 in. nominal sizes are interchangeable with standard EPDM gaskets.

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Product Designation	Nominal Pipe Size, in.	Pipe Ends	Remarks	Max Working Pressure, psi (kPa)
C-1	1¼, 1½, 2, 2½, 3, 4, 5	Cut Groove	a, b, c, d, e, f, g, h, i,	300
		Rolled Groove	k, l, m, n, p, q, s	(2070)
	6, 8	Cut Groove	a, b, c	175
		Rolled Groove		(1205)
	10, 12	Cut Groove	a, b, c	300
		Rolled Groove		(2070)
	76 165 mm	Cut Groove	c, r	300
		Rolled Groove		(2070)
	1¼, 1½, 2	Cut Groove	a, b, c, o	175
		Rolled Groove		(1205)
C-3	1¼, 1½, 2, 2½, 3, 4, 5	Cut Groove	a, b, c, d, e, f, g,	300
		Rolled Groove	h, i, k, l, m, n, p, q, s	(2070)
	6, 8	Cut Groove	a, b, c, s	300
		Rolled Groove		(2070)
	76 165 mm	Cut Groove	c, r	300
		Rolled Groove		(2070)

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 and 10 in. NPS, 0.188 in. (5 mm) wall.
- c. With EPDM gasket (green stripe) using standard gasket lubricant or dry lubricant.
- d. For use with Allied Tube and Conduit “Super-Flo” and “Dyna-Flow” Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- e. For use with Northwest Pipe “EZ-Flow” Lightwall steel sprinkler pipe in size 4 in. NPS.
- f. For use with Allied Tube and Conduit “XL”, “XL-II” threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, and 3 in. NPS.
- g. For use with Allied Tube and Conduit “Super-XL” threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, and 3 in. NPS.
- i. For use with Allied Tube and Conduit “BLT” and “Dyna-thread” threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- k. For use with Wheatland Tube “WLS” threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- l. For use with Western International Forest Products “Fire-Flow” Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 3, and 4 in. NPS.
- m. Available with EPDM flush gap gasket, 1½-12 in. NPS.
- n. For use with Tex-Tube “Tex-Flow” Lightwall steel sprinkler pipe in sizes: 3 and 4 in. NPS.
- o. For use with Bull Moose “Ultra-Eddy” Schedule 5 steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- p. For use with Wheatland Tube “Mega-Flow” Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 3, and 4 in. NPS.
- q. For use with Welded Tube–Berkeley LLC “Steady-Flow” and “Steady-thread” Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3, and 4 in. NPS.
- r. For use with BS 1387 Medium or Heavy steel pipe in sizes: 76 and 165 mm NPS.
- s. EPDM Grade E (green stripe) flush gap gaskets in 1-12 in. nominal sizes are interchangeable with standard EPDM gaskets.

Grooved Couplings, Standard — Rigid

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

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<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Fitting Description</i>	<i>Remarks</i>	<i>Max Working Pressure, psi (kPa)</i>
Gruvlok HPR* 7004	2-8	Cut Groove, Rolled Groove	a, c	750 (5170)
	2-3	"	c, d	300 (2070)
	2-8	Rolled Groove	b, c, w	300 (2070)
Rigidlite 7400*	1-8	Rolled Groove, Cut Groove	a, b, c, d, e, f, j, l, p, r, s, t, w	300 (2070)
	2½-4	Rolled Groove	c, n, w	300 (2070)
	6	"	c, n, w	175 (1205)
	3-8	Rolled Groove	c, n	175 (1205)
	76.1, 139.7, 165.1 mm 1-2	Rolled Groove, Cut Groove Rolled Groove	c, h c, m	300 (2070) 175 (1205)
Gruvlok 7400 S*	2-6	"	a, b, c, d, e, f, h, l, m	175 (1205)
Rigidlok 7401*	1½-3	Rolled Groove	c, e	300 (2070)
	1½-4	"	c, f, p	300 (2070)
	1½-2	"	c, o, w	300 (2070)
	1½-3	"	c, d, w	300 (2070)
	1½-3	"	b, c, w	300 (2070)
	3-8	"	c, n, w	300 (2070)
	4, 5	"	b, c, w	500 (3445)
	6	"	b, c, w	400 (2760)
	8, 10, 12	"	b, c, w	300 (2070)
1½-4	Cut Groove, Rolled Groove	a, c	750 (5170)	

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Max Working Pressure, psi (kPa)
	5, 6	"	a, c	500 (3445)
	8	"	a, c	450 (3105)
	10	"	a, c, w	300 (2070)
	12	"	a, c, w	300 (2070)
	76.1, 139.7, 165.1 mm	"	c, h	500 (3445)
7400E*	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12	Cut Groove Rolled Groove Cut Groove Rolled Groove	a, b, c, d, e, f, i, l, m, o, p, t, w a, c, w	300 (2070) 300 (2070)
	76, 165 mm	Cut Groove Rolled Groove	c, h	300 (2070)
	1¼, 1½, 2, 2½, 3, 4	Rolled Groove	c, m, w	175 (1205)

*For installation where greater rigidity of pipe system is required. Not for use as flexible joints in areas subject to earthquake.

- Min schedule cut groove pipe to be joined: 6 in. or smaller – Schedule 40; 8 in. or larger – Schedule 30.
- Min schedule rolled groove pipe to be joined: 6 in. or smaller – Schedule 10; 8 in. or larger – 0.188 in. (5 mm) wall.
- With EPDM gasket Grade E (green stripe), Grade E Type A (violet stripe), and Grade E Type A DriSeal™ (violet stripe). Flush gap gasket in 1½-12 in. nominal sizes are interchangeable with standard gasket.
- Min schedule pipe to be joined: 3 in. or smaller – Allied Tube & Conduit FM Approved "XL", "Super-XL" and "Super-40" Thinwall pipe.
- Min schedule pipe to be joined: Allied Tube & Conduit "Dyna-Flow" Lightwall pipe, 1-4 in.
- Min schedule pipe to be joined: Allied Tube & Conduit "Super-Flo" Lightwall pipe, 1-4 in.
- Metric Pipe: Equivalent to 76.1, 108, 133, 139.7, 159 and 165.1 mm. British Standard 1387, medium or equal.
- For use with Central Sprinkler "TL" threadable Thinwall pipe.
- Min schedule rolled groove pipe to be joined: Bull Moose EDDY-Lite, 2 in. and EDDY-flow, 1½-4 in. 175 psi (1205 kPa).
- Min schedule rolled groove pipe to be joined: Bull Moose Ultra-EDDY, 1-2 in., IDOD Systems Gal-5 and All-Gal, and Wheatland WST Schedule 5 pipes.
- For use with Tex-Tube "Tex-Flow" Lightwall pipe 2½ to 6 in.
- For use with Youngstown Tube "EZ-Thread" Threadable Thinwall Sprinkler Pipe.
- For Use with Northwest "EZ-Flow" pipe in 3 thru 6 in. sizes.
- IDOD Systems Gal-7 and Gal-flo pipe.
- Western International Fire Line Flow or Fire Line Thread Light.
- Wheatland Mega-Flow, Mega-thread, MLT, GL, and WLS pipe.
- EPDM Grade E (green stripe) flush gap gaskets in 1-12 in. nominal sizes are interchangeable with standard EPDM gaskets.

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Product Designation	Nominal Pipe Size, in.	Pipe Ends	Remarks	Max. Working Pressure, psi (kPa)
C-4	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12, 76, 165 mm	Cut Groove Rolled Groove Cut Groove Rolled Groove	a, b, c, d, e, f, g, i, j, l, m, o, s c, p	300 (2070) 300 (2070)
	1¼, 1½, 2, 2½, 3, 4	Rolled Groove	c, k, n, o, s	175 (1205)

Remarks:

- Minimum schedule cut groove pipe to be joined: 6 in. NPS and smaller – Schedule 40; 8 in. NPS and larger – Schedule 30.
- 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.
- With EPDM gasket using standard gasket lubricant or dry lubricant.
- For use with Allied Tube and Conduit "Super-Flo" and "Dyna-Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in size 3, 4 and 6 in. NPS.
- For use with Allied Tube and Conduit "XL", "XL-II" threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, and 3 in. NPS.
- For use with Allied Tube and Conduit "BLT" threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- For use with Wheatland Tube "WLS" threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- For use with Bull Moose Tube "EDDY-Lite" threadable Thinwall steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- For use with Bull Moose Tube "EDDY-Flow" Lightwall steel sprinkler pipe in sizes: 1½ through 4 in. NPS.
- Available with flush gap gasket, 1½-12 in. NPS.
- For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 3 and 4 in. NPS.
- For use with Bull Moose "Ultra-Eddy" Schedule 5 steel sprinkler pipe in sizes: 1¼, 1½, and 2 in. NPS.
- For use with Welded Tube-Berkeley LLC "Steady-Flow" Lightwall steel sprinkler pipe in sizes: 1½ and 2 in. NPS, FM Approved for 300 psi rated working pressure, and 4 in. NPS, FM Approved for 175 psi rated working pressure.
- For use with BS 1387 Medium or Heavy steel pipe in sizes: 76 and 165 mm NPS.
- EPDM Grade E (green stripe) flush gap gaskets in 1-12 in. nominal sizes are interchangeable with standard EPDM gaskets.

Grooved Couplings, Reducing — Flexible

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

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<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Pipe Ends</i>	<i>Remarks</i>	<i>Max Working Pressure, psi (kPa)</i>
Gruvlok 7010	2x1½; 2½x2; 3x2, 2½; 4x2, 2½, 3; 5x3, 4; 6x4, 5; 8x6	Cut Groove, Rolled Groove	a, b, c, d, e, h, i, j, k, l, n, o, p, r, s	300 (2070)
	2x1½	Rolled Groove	c, t	175 (1205)
7010E	76x2, 3x76, 4x76, 165x3, 4; 8x165	„	a, b, c, d, e, h, i, j, k, l, n, o, p, r, s	300 (2070)

- a. Min schedule cut groove pipe to be joined: 6 in. or smaller – Schedule 40; 8 in. or larger – Schedule 30.
- b. Min schedule rolled groove pipe to be joined: 6 in. or smaller – Schedule 10; 8 or 10 in. – 0.188 in. (5 mm) wall.
- c. With EPDM gasket (green stripe).
- d. 3 in. and smaller connections can be made to rolled grooved Allied Tube & Conduit FM Approved “XL”, “XL-II”, “Super-XL” and “Super-40” Thinwall pipe.
- e. Min pipe Schedule Pipe to be joined: a) Allied Tube & Conduit “Dyna-Flow” Lightwall pipe. b) Allied Tube & Conduit “Super-Flo” Lightwall pipe, Allied Tube and Conduit “Dyna-thread” pipe, Allied Tube and Conduit “BLT” pipe.
- h. Bull Moose “EDDY-Lite”, EDDY-thread, and EDDY-flow pipe. at 300 psi.
- i. British Standard BS 1387 Pipe, or EN10255 pipe.
- j. IDOD Systems Gal 7 and Gal-flow pipe.
- k. Northwest Pipe “EZ-flow” pipe.
- l. Tex-Tube Co. “Tex-flow” Pipe in 2½, 3, and 4 in. at 300 psi, and 6 in. at 175 psi.
- n. Welded Tube-Berkeley “Steady-flow” and “Steady-thread” pipe.
- o. WIFP “Fire Line Flow” and “Fire Line Thread” pipe.
- p. Wheatland “WLS”, “Mega-flow”, “GL”, “MLT”, and “Mega-thread” pipe.
- r. Yieh Phui Enterprise “SPS” Pipe.
- s. Youngstown Tube “Fire Flow” and “Fire-thread” pipe.
- t. Approved for use with Schedule 5 pipe.

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Product Designation	Nominal Pipe Size, in.	Pipe Ends	Remarks	Max Working Pressure, psi (kPa)
RC-1	2x1½ 2½x2 3x2, 2½ 4x2, 2½, 3 6x4 8x6	Cut Groove Rolled Groove	a, b, c, d, e, f, g, i, l, m, n	300 (2070)
	2x1½ 2½x2 3x2 4x2	Rolled Groove	b, c, j, t	175 (1205)
RC-2	2x1½ 2½x2 3x2, 2½ 4x2, 2½, 3 5x3, 4 6x4 8x6	Cut Groove Rolled Groove	a, b, c, d, e, f, i, j, k, l, m, n, o, p, r, s	300 (2070)
	2x1½	Rolled Groove	c, t	175 (1205)

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 and 10 in. NPS, 0.188 in. (5 mm) wall.
- c. With EPDM gasket.
- d. For use with Allied Tube and Conduit "Super-Flo" and "Dyna-Flow", "Dyna-thread", and "BLT" Lightwall steel sprinkler pipe.
- e. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe.
- f. For use with Allied Tube and Conduit "XL", "XL-II", "Super XL", and "Super 40" threadable Thinwall steel sprinkler pipe.
- i. For use with Wheatland Tube "WLS", "Mega-flow", "GL", "MLT", "Mega-thread" threadable Thinwall steel sprinkler pipe.
- k. For use with Bull Moose Tube "EDDY-Flow", "EDDY-thread", "EDDY-Light" Lightwall steel sprinkler pipe.
- l. For use with Western International Forest Products "Fire Line Flow", "Fire Line Thread" Lightwall steel sprinkler pipe.
- m. For use with Western International Forest Products "Rapid-Thread" threadable Thinwall steel sprinkler pipe in sizes: 1½ and 2 in. NPS.
- n. For use with Welded Tube–Berkeley LLC "Steady Flow" and "Steady-thread" Lightwall steel sprinkler pipe.
- o. Tex-Tube Co. "Tex-flow" Pipe in 2½, 3, and 4 in. at 300 psi, and 6 in. at 175 psi.
- p. IDOD Systems Gal 7 and Gal-flow pipe.
- r. Yieh Phui Enterprise "SPS" Pipe.
- s. Youngstown Tube "Fire Flow" and "Fire-thread" pipe.
- t. Approved for use with Schedule 5 pipe.

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Gruvlok Clamp-T. For use with Schedule 10S or heavier pipe*†, in 6 in. or smaller sizes and 0.188 in. (5 mm) wall or heavier pipe, in the 8 in. size. With EPDM gasket (green stripe) only.

*Pressure ratings vary by size:

Nominal Pipe Size, in.	Pressure rating, psi (kPa)
2x1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2; 4x1 1/4, 1 1/2, 2, 2 1/2; 8x2 1/2, 3	400 (2760)
3x1 1/4, 1 1/2, 2; 4x3; 5x1 1/4, 1 1/2, 2, 2 1/2, 3; 6x1 1/4, 1 1/2, 2, 2 1/2, 3	350 (2415)
3x1/2, 3/4, 1; 4x1/2, 3/4, 1; 6x4; 8x4	300 (2070)

†Central Sprinkler "TL" 2 in. size, 300 psi (2070 kPa).

Product Designation	Fitting Description	Nominal Pipe Size, in.	Remarks	Nominal Pipe Size, mm
7044	Mechanical Branch Outlet FNPT	1 1/4x1/2, 3/4, 1 1 1/2x1/2, 3/4, 1 2x1/2, 3/4, 1 2 1/2x1/2, 3/4, 1	a	
7045‡	Clamp-T With Threaded Branch Outlet	2x1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2		60.3x21.3, 26.7, 33.4, 42.4, 48.3 73.0x21.3, 26.7, 33.4, 42.4, 48.3
		Not Applicable		76.1x21.3, 26.7, 33.4, 42.4, 48.3
		3x1/2, 3/4, 1, 1 1/4, 1 1/2, 2		88.9x21.3, 26.7, 33.4, 42.4, 48.3, 60.3
		4x1/2, 3/4, 1, 1 1/4, 1 1/2, 2		114.3x21.3, 26.7, 33.4, 42.4, 48.3, 60.3
		Not Applicable		114.3x76.1
		4x2 1/2, 3		114.3x73.0, 88.9
		Not Applicable		139.7x42.4, 48.3, 60.3, 73.0, 76.1, 88.9
		5x1 1/4, 1 1/2, 2, 2 1/2, 3		141.3x42.4, 48.3, 60.3, 73.0, 88.9
		Not Applicable		141.3x76.1
7045‡	Clamp-T With Threaded Branch Outlet	Not Applicable		165.1x42.4, 48.3, 60.3, 73.0, 76.1, 88.9, 114.3
		6x1 1/4, 1 1/2, 2, 2 1/2		168.3x42.4, 48.3, 60.3, 73.0

Product Designation	Fitting Description	Nominal Pipe Size, in.	Remarks	Nominal Pipe Size, mm
		Not Applicable		168.3x76.1
		6x3, 4		168.3x88.9, 114.3
		8x2½, 3, 4		219.1x73.0, 88.9, 114.3
		Not Applicable		219.1x76.1
7045T	Mechanical Tee Branch Outlet Female NPT	2x½, 2x¾, 2x1, 2x1¼, 2x1½, 2½x½, 2½x¾, 2½x1, 2½x1¼, 2½x1½, 3x1, 3x1¼, 3x1½, 3x2, 4x1, 4x1¼, 4x1½, 4x2, 4x2½, 4x3, 6x1¼, 6x1½, 6x2, 6x2½, 6x3, 6x4		175 (1205)
FM Approved with ANSI NPT thread or ISO thread as appropriate for the outlet pipe.				
7046‡	Clamp-T With Grooved Outlet	2x1¼, 1½, 2½x1¼, 1½, Not Applicable		60.3x42.4, 48.3, 73.0x42.4, 48.3, 76.1x42.4, 48.3
		3x1¼, 1½, 2		88.9x42.4, 48.3, 60.3
		4x1¼, 1½, 2, 2½		114.3x42.4, 48.3, 60.3, 73.0
		Not Applicable		114.3x76.1
		4x3, Not Applicable		114.3x88.9, 139.7x42.4, 48.3, 60.3, 73.0, 88.9
		5x1¼, 1½, 2, 2½, 3		141.3x42.4, 48.3, 60.3, 73.0, 88.9
		Not Applicable		165.1x42.4, 48.3, 60.3, 73.0, 76.1, 88.9, 114.3
		6x1¼, 1½, 2, 2½		168.3x42.4, 48.3, 60.3, 73.0
		Not Applicable		168.3x76.1
		6x3, 4		168.3x88.9, 114.3
		8x2½, 3, 4		219.1x73.0, 88.9, 114.3
7046T	Mechanical Tee Grooved Outlet	3x1½, 3x2, 4x1½, 4x2, 4x2½, 4x3, 6x1½, 6x2, 6x2½, 6x3, 6x4		175 (1205)

a. For use on Schedule 10 and heavier pipe.

Product Designation	Fitting Description	Nominal Pipe Size, in.	Remarks	Nominal Pipe Size, mm
7043	Mechanical Tee Threaded Outlet (Female NPT)	1¼ x ½, ¾, 1, 1½ x ½, ¾, 1, 2 x ½, ¾, 1, 2½ x ½, ¾, 1	a, c, g, h, l, m, n, q, r, s	300 (2070)
7043	Mechanical Tee Threaded Outlet (Female NPT)	1¼ x ½, ¾, 1, 1½ x ½, ¾, 1, 2 x ½, ¾, 1, 2½ x ½, ¾, 1	e, k	175 (1205)
7043E	Mechanical Tee Threaded Outlet (Female ISO)	1¼ x ½, ¾, 1, 1½ x ½, ¾, 1, 2 x ½, ¾, 1, 2½ x ½, ¾, 1	a, c, g, h, l, m, n, q, r, s, t	300 (2070)
7043E	Mechanical Tee Threaded Outlet (Female ISO)	1¼ x ½, ¾, 1, 1½ x ½, ¾, 1, 2 x ½, ¾, 1, 2½ x ½, ¾, 1	e, k	175 (1205)

Remarks

- a. For use with FM Approved Schedule 10 and 40 steel sprinkler pipe in sizes: 1, 1¼, 1½, 2, 2½, 3, 4, 5, 6, and 8 in. NPS.
- b. For use with Youngstown Tube "EZ-Thread" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- c. For use with Allied Tube and Conduit "XL" and "XL-II" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, 2, 2½, and 3 in. NPS.
- d. For use with Sawhill Tubular "SLS" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- e. For use with Wheatland Tube "WST" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- f. For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 3, 4, and 6 in. NPS.
- g. For use with Welded Tube—Berkeley LLC "Steady-Flow" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3. In addition, the MT-4 is FM Approved for use with 4 in. NPS "Steady-Flow".
- h. For use with Wheatland Tube "Mega Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- i. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 4 and 6 in. NPS.
- j. For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3, and 4 in. NPS.
- k. For use with Bull Moose Tube "Ultra – EDDY" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- l. For use with Bull Moose "EDDY Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- m. For use with Allied Tube and Conduit "BLT" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.

- n. For use with Bull Moose Tube "EDDY-Lite" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
 p. For use with Western International Forest Products "Rapid-Thread" steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
 q. For use with Wheatland Tube "WLS" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
 r. For use with Western International Forest Products "Fire Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 3, and 4 in. NPS.
 s. For use with Allied Tube and Conduit "Dyna Flow" and "Super-Flo" Lightwall sprinkler pipe in sizes: 1½, 2, 2½, 3, 4, and 6 in. NPS.
 t. For use with BS1387 Medium or Heavy steel pipe.

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
7047‡	Clamp-T Cross NPT Branch	Combines any§ two Fig. 7045

<i>Run Pipe Size, in.</i>	<i>Outlet Pipe Size, in.</i>	<i>Run Pipe Size, mm</i>	<i>Outlet Pipe Size, mm</i>
2½	1¼, 1½	73.0	42.4, 48.3
	Not Applicable	76.1	42.4, 48.3
3	1¼, 1½, 2	88.9	42.4, 48.3, 60.3
	Not Applicable	114.3	76.1
4	1¼, 1½, 2, 2½	114.3	42.4, 48.3, 60.3, 73.0
	Not Applicable	114.3	76.1
4	3	114.3	88.9
	Not Applicable	139.7	42.4, 48.3, 60.3, 73.0
5	Not Applicable	139.7	76.1
	1¼, 1½, 2, 2½	141.3	42.4, 48.3, 60.3, 73.0
6	Not Applicable	141.3	76.1
	Not Applicable	165.1	42.4, 48.3, 60.3, 73.0
6	Not Applicable	165.1	76.1, 88.9, 114.3
	1¼, 1½, 2, 2½	168.3	42.4, 48.3, 60.3, 73.0
6	Not Applicable	168.3	76.1
	3, 4	168.3	88.9, 114.3
8	2, 2½, 3, 4	219.1	60.3, 73.0, 88.9, 114.3
	Not Applicable	219.1	76.1

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
7048‡	Clamp-T Cross Grooved Branch	Combines any§ two Fig. 7046

<i>Run Pipe Size, in.</i>	<i>Outlet Pipe Size, in.</i>	<i>Run Pipe Size, mm</i>	<i>Outlet Pipe Size, mm</i>
2½	1½	73.0	48.3
	Not Applicable	76.1	42.4, 48.3
3	1¼, 1½, 2	88.9	42.4, 48.3, 60.3
	Not Applicable	114.3	76.1
4	1¼, 1½, 2, 2½	114.3	42.4, 48.3, 60.3, 73.0
	Not Applicable	114.3	76.1
4	3	114.3	88.9
	Not Applicable	139.7	42.4, 48.3, 60.3, 73.0
5	Not Applicable	139.7	76.1
	1¼, 1½, 2, 2½	141.3	42.4, 48.3, 60.3, 73.0
6	Not Applicable	165.1	42.4, 48.3, 60.3, 73.0
	Not Applicable	165.1	76.1, 88.9, 114.3
6	1¼, 1½, 2, 2½	168.3	42.4, 48.3, 60.3, 73.0
	Not Applicable	168.3	76.1

Run Pipe Size, in.	Outlet Pipe Size, in.	Run Pipe Size, mm	Outlet Pipe Size, mm
6	3, 4	168.3	88.9, 114.3
8	2½, 3, 4	219.1	73.0, 88.9, 114.3

Product Designation	Fitting Description	Nominal Pipe Size, in.
7049‡	Clamp-T Cross NPTxGrooved Branch	Combines any§ Fig. 7045 and any* Fig. 7046

Sizes of the Figure 7049 Clamp Tee Crosses can be formed with any combination of the sizes shown of Figure 7047 or 7048 Clamp Tee Crosses having the same run size.

‡Allied Tube & Conduit "Super-Flo", 2 in. and Allied Tube & Conduit "Dyna-Flow", 2 in. 175 psi (1205 kPa). Allied Tube & Conduit "Super-Flo", 2½-4 in. and Allied Tube & Conduit "Dyna-Flow", 2½-3 in. 300 psi (2070 kPa). Tex-Tube Co. "Tex-Flow". 3-8 in. 300 psi (2070 kPa). Youngstown Tube "Fire-Flo" 1½-4 in., and Youngstown Tube "EZ-Thread" 1-2 in., 300 psi (2070 kPa).

§Except 2 in. run sized items and 2½x½, ¾, 1 in. sized branch connections.

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Rated Working Pressure, psi (kPa)
7046E	76 x 1¼, 1½ 3 x 1¼, 1½, 2 4 x 1¼, 1½, 2, 3, 76 mm 165 x 1½, 2, 3, 4, 76 mm	Mechanical Tee (Grooved End Outlet)	a, b, c, f, g, i, l, m, n, p, q, r, s, t, v, w, x	300 (2070)
7045E	2 x 1, 1¼, 1½ 3 x 1, 1¼, 1½, 2 4 x 1, 1¼, 1½, 2, 76 mm 6 x 76 mm, 1½, 2 165 x 1½, 2, 76 mm	Mechanical Tee Threaded Outlet (ISO Threads)	a, b, c, f, g, i, l, m, n, p, q, s, t, u, v, w, x	300 (2070)
	2 x 1, 1¼, 1½	Mechanical Tee Threaded Outlet (ISO Threads)	c, e, k, w, y	175 (1205)

Remarks:

- a. Min schedule cut groove pipe: 6 in. or smaller – Schedule 40; 8 in. or larger– Schedule 30.
- b. Min schedule rolled groove pipe: 6 in. or smaller – Schedule 10; 8 or 10 in. – 0.188 in. (5 m) wall.
- c. With EPDM gasket (green stripe).
- e. For use with Wheatland Tube "WST" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- f. For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 3, 4, and 6 in. NPS.
- g. For use with Welded Tube–Berkeley LLC "Steady-Flow" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3.
- h. For use with Wheatland Tube "Mega Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- i. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 4 and 6 in. NPS.
- j. For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3, and 4 in. NPS.
- k. For use with Bull Moose Tube "Ultra – EDDY" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- l. For use with Bull Moose "EDDY Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- m. For use with Allied Tube and Conduit "BLT" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- n. For use with Bull Moose Tube "EDDY-Lite" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- p. For use with Western International Forest Products "Rapid-Thread" steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- q. For use with Wheatland Tube "WLS", Mega-thread, SL, MLT, and GL thinwall and lightwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- s. For use with Allied Tube and Conduit "Dyna Flow" and "Super-Flo" Lightwall sprinkler pipe in sizes: 1½, 2, 2 ½, 3, and 4 in. NPS.
- t. For use with BS1387 Medium or Heavy steel pipe, and ISO 4200 pipe.
- u. For use with Youngstown Tube "EZ-Thread" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- v. For use with Allied Tube and Conduit "XL" and "XL-II", "Super-XL", and "Super-40" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, 2, 2½, and 3 in. NPS.
- w. For use with IDOD Gal-5 and All-Gal pipe in 1¼, 1½, and 2 in sizes at 175 psi (1205 kPa).
- x. For use with IDOD Gal-7 and Gal-Flo pipe in 1¼, 1½, and 2 in. sizes.
- y. For use with Allied "Dyna-light" pipe at 175 psi (1205 kPa).

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Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Rated Working Pressure, psi (kPa)
MT-1	2x1, 1¼, 1½	Mechanical Tee, Threaded Outlet (Female NPT)	k, c, e, w, y	175 (1205)
MT-1	2x1, 1¼, 1½ 2½x1, 1¼, 1½ 3x1, 1¼, 1½, 2 4x1, 1¼, 1½, 2, 2½ 5x1½, 2, 2½ 6x1½, 2, 2½	Mechanical Tee, Threaded Outlet (Female NPT)	a, b, c, f, g, i, l, m, n, p, q, r, s, v, w, x	300 (2070)

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Rated Working Pressure, psi (kPa)
MT-2	76x1¼, 1½ 3x1¼, 1½, 2 4x1¼, 1½, 2, 3, 76 mm 165x1½, 2, 3, 4, 76 mm	Mechanical Tee (Grooved End Outlet)	a, b, c, f, g, i, l, m, n, p, q, r, s, t, v, w, x	300 (2070)
MT-3	1¼ x ½, ¾, 1 1½ x ½, ¾, 1 2 x ½, ¾, 1 2½ x ½, ¾, 1	Mechanical Tee Threaded Outlet (Female NPT)	a, b, c, f, g, h, l, m, n, p, q, r, s, v, w, x	300 (2070)
MT-3	1¼ x ½, ¾, 1 1½ x ½, ¾, 1 2 x ½, ¾, 1 2½ x ½, ¾, 1	Mechanical Tee Threaded Outlet (Female NPT)	e, k, c, w, y	175 (1205)
MT-30	1¼ x ½, ¾, 1 1½ x ½, ¾, 1 2 x ½, ¾, 1 2½ x ½, ¾, 1	Mechanical Tee Threaded Outlet (Female NPT)		300 (2070)
MT-8	2 x 1, 1¼, 1½ 3 x 1, 1¼, 1½, 2 4 x 1, 1¼, 1½, 2, 76 mm 6 x 76 mm, 1½, 2 165 x 1½, 2, 76 mm	Mechanical Tee Threaded Outlet (BSP Threads)	a, b, c, f, g, i, l, m, n, p, q, s, t, u, v, w, x	300 (2070)
MT-8	2 x 1, 1¼, 1½	Mechanical Tee Threaded Outlet (BSP Threads)	c, e, k, w, y	175 (1205)
MT-90	1¼ x ½, ¾, 1 1½ x ½, ¾, 1 2 x ½, ¾, 1 76 mm x ½, ¾, 1	Mechanical Tee Threaded Outlet (Female ISO)	a, c, g, h, l, m, n, q, r, s, t	300 (2070)
MT-90	1¼ x ½, ¾, 1 1½ x ½, ¾, 1 2 x ½, ¾, 1 76 mm x ½, ¾, 1	Mechanical Tee Threaded Outlet (Female ISO)	a, c, g, h, l, m, n, q, r, s, t	175 (1205)

Remarks:

- a. For use with FM Approved Schedule 10 and 40 steel sprinkler pipe in sizes: 1, 1¼, 1½, 2, 2½, 3, 4, 5, 6, and 8 in. NPS.
- b. For use with Youngstown Tube "EZ-Thread" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- c. For use with Allied Tube and Conduit "XL" and "XL-II" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, 2, 2½, and 3 in. NPS.
- d. For use with Sawhill Tubular "SLS" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- e. For use with Wheatland Tube "WST" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- f. For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 3, 4, and 6 in. NPS.
- g. For use with Welded Tube—Berkeley LLC "Steady-Flow" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3. In addition, the MT-4 is FM Approved for use with 4 in. NPS "Steady-Flow".
- h. For use with Wheatland Tube "Mega Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- i. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 4 and 6 in. NPS.
- j. For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 1½, 2, 2½, 3, and 4 in. NPS.
- k. For use with Bull Moose Tube "Ultra – EDDY" Schedule 5 steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- l. For use with Bull Moose "EDDY Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 2½, 3, and 4 in. NPS.
- m. For use with Allied Tube and Conduit "BLT" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- n. For use with Bull Moose Tube "EDDY-Lite" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- p. For use with Western International Forest Products "Rapid-Thread" steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- q. For use with Wheatland Tube "WLS" threadable thinwall steel sprinkler pipe in sizes: 1, 1¼, 1½, and 2 in. NPS.
- r. For use with Western International Forest Products "Fire Flow" Lightwall steel sprinkler pipe in sizes: 1¼, 1½, 2, 3, and 4 in. NPS.
- s. For use with Allied Tube and Conduit "Dyna Flow" and "Super-Flo" Lightwall sprinkler pipe in sizes: 1½, 2, 2½, 3, 4, and 6 in. NPS.
- t. For use with BS1387 Medium or Heavy steel pipe.

Grooved Split Flanges — Flexible

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

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<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Description</i>	<i>Remarks</i>	<i>Max Pressure Rating, psi (kPa)</i>
7012	2, 2½, 3, 4, 5, 6, 8, 10, 12	Cut Groove Rolled Groove	a, b, c, d, e, f, g, h, i, j, k,m, n, q, r, s, t, u, v, w, x, z, A	300 (2070)
7012E	60, 76, 89, 114, 139, 165, 168, 219, 273 and 324 mm	Cut Groove Rolled Groove	c, C	300 (2070)
7012T	2, 2½, 3, 4, 5, 6, 8	Cut Groove Rolled Groove	a, b, c, C	175 (1205)
7013	2, 2½, 3, 4	Cut Groove Rolled Groove	a, c, g	500 (3445)
	5, 6, 8, 10, 12	Cut Groove Rolled Groove	a, c	500 (3445)
	5, 6, 8, 10, 12	Cut Groove Rolled Groove	b, c	300 (2070)

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. and 10 NPS, 0.188 in. (5 mm) wall.
- c. With EPDM gasket
- d. For use with Allied Tube and Conduit "Super-Flo" and "Dyna-Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 in. NPS.
- e. For use with Allied Tube and Conduit "BLT" thinwall steel sprinkler pipe in size 2 inch NPS.
- f. For use with Allied Tube and Conduit "Dyna-Thread" thinwall steel sprinkler pipe in size 2 inch NPS.
- g. For use with Allied Tube and Conduit "XL", "XL-II", "Super-40", and "Super-XL" Thinwall steel sprinkler pipe in sizes: 2, 2½, and 3 inch NPS at 300 psi.
- h. For use with AMS Tube "Steady Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 in. NPS.
- i. For use with Bull Moose Tube "EDDY-Lite" Thinwall steel sprinkler pipe in size 2 inch NPS.
- j. For use with Bull Moose Tube "EDDY-Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- k. For use with Bull Moose Tube "EDDY Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- l. For use with Bull Moose Tube "Ultra-EDDY" Schedule 5 steel sprinkler pipe in size 2 inch NPS.
- m. For use with IDOD Systems "Gal-7" Lightwall steel sprinkler pipe in size 2 inch NPS.
- n. For use with IDOD Systems "Gal-Flo" Lightwall steel sprinkler pipe in size 2 inch NPS.
- o. For use with IDOD Systems "Gal-5" Schedule 5 steel sprinkler pipe in size 2 inch NPS.

- p. For use with IDOD Systems "All-Gal" Schedule 5 steel sprinkler pipe in size 2 inch NPS.
- q. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 3 and 4 inch NPS.
- r. For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 2½, 3, 4, and 6 inch NPS.
- s. For use with Wheatland Tube "Mega-Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- t. For use with Western International Forest Products "Rapid Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- u. For use with Wheatland Tube "WLS" Thinwall steel sprinkler pipe in size 2 inch NPS.
- v. For use with Wheatland Tube "Mega-Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- w. For use with Wheatland Tube "MLT" Thinwall steel sprinkler pipe in size 2 inch NPS.
- x. For use with Wheatland Tube "GL" Thinwall steel sprinkler pipe in size 2 inch NPS.
- y. For use with Wheatland Tube "WST" schedule 5 steel sprinkler pipe in size 2 inch NPS.
- z. For use with Youngstown Tube "EZ-Thread" Thinwall steel sprinkler pipe in 2 inch NPS.
- A. For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- B. Schedule 40 only.
- C. For use with BS1387 medium or heavier pipe, or EN 10255 pipe, or ISO 4200 pipe.

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Product Designation	Nominal Pipe Size, in.	Pipe Ends	Remarks	Rated Working Pressure, psi (kPa)
F-1	2, 2½, 3	Cut Groove Rolled Groove	a, b, c, d	300 (2070)
F-1	4, 5, 6	Cut Groove Rolled Groove	a, b, c, d, q	250 (1725)
F-1	2, 2½, 3, 4, 8	Cut Groove Rolled Groove	a, b, c, h	175 (1205)
F1N	2, 2½, 3, 4, 6, 8	Cut Groove Rolled Groove	a, b, c, d, e, f, g, h, i, j, m, n, s, t, u, v, w, x, z, A	300 (2070)
F1N	2, 2½, 3, 4	Rolled Groove	k, l, o, p, y	175 (1205)
F1N	10	Cut Groove Rolled Groove	b, c	300 (2070)
F1N	12	Cut Groove Rolled Groove	B, c	250 (1725)
F-3	2, 2½, 3, 4, 5, 6, 8, 10, 12	Cut Groove Rolled Groove	a, b, c, d, e, f, g, h, i, j, k, m, n, q, r, s, t, u, v, w, x, z, A	300 (2070)
F-3	60, 76, 89, 114, 139, 165, 168, 219, 273 and 324 mm	Cut Groove Rolled Groove	c, C	300 (2070)

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 and 10 in. NPS, 0.188 in. (5 mm) wall.
- c. With EPDM gasket.
- d. For use with Allied Tube and Conduit "Super-Flo" and "Dyna-Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 in. NPS.
- e. For use with Allied Tube and Conduit "BLT" thinwall steel sprinkler pipe in size 2 inch NPS.
- f. For use with Allied Tube and Conduit "Dyna-Thread" thinwall steel sprinkler pipe in size 2 inch NPS.
- g. For use with Allied Tube and Conduit "XL", "XL-II", and "Super-XL" Thinwall steel sprinkler pipe in sizes: 2, 2½, and 3 inch NPS.
- h. For use with AMS Tube "Steady Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 in. NPS.
- i. For use with Bull Moose Tube "EDDY-Lite" Thinwall steel sprinkler pipe in size 2 inch NPS.
- j. For use with Bull Moose Tube "EDDY-Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- k. For use with Bull Moose Tube "EDDY Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- l. For use with Bull Moose Tube "Ultra-EDDY" Schedule 5 steel sprinkler pipe in size 2 inch NPS.
- m. For use with IDOD Systems "Gal-7" Lightwall steel sprinkler pipe in size 2 inch NPS.
- n. For use with IDOD Systems "Gal-Flo" Lightwall steel sprinkler pipe in size 2 inch NPS.
- o. For use with IDOD Systems "Gal-5" Schedule 5 steel sprinkler pipe in size 2 inch NPS.
- p. For use with IDOD Systems "All-Gal" Schedule 5 steel sprinkler pipe in size 2 inch NPS.
- q. For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 3 and 4 inch NPS.
- r. For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 2½, 3, 4, and 6 inch NPS.
- s. For use with Wheatland Tube "Mega-Flow" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- t. For use with Western International Forest Products "Rapid Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- u. For use with Wheatland Tube "WLS" Thinwall steel sprinkler pipe in size 2 inch NPS.
- v. For use with Wheatland Tube "Mega-Thread" Thinwall steel sprinkler pipe in size 2 inch NPS.
- w. For use with Wheatland Tube "MLT" Thinwall steel sprinkler pipe in size 2 inch NPS.
- x. For use with Wheatland Tube "GL" Thinwall steel sprinkler pipe in size 2 inch NPS.
- y. For use with Wheatland Tube "WST" schedule 5 steel sprinkler pipe in size 2 inch NPS.
- z. For use with Youngstown Tube "EZ-Thread" Thinwall steel sprinkler pipe in 2 inch NPS.
- A. For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 2, 2½, 3, and 4 inch NPS.
- B. Schedule 40 only.

Anvil International Inc, 110 Corporate Drive, Suite 10, Portsmouth NH 03801

125 lb threaded Cast Iron Fittings.
175 psi (1205 kPa) rated pressure.

Product Description	Fitting Description	Nominal Pipe Size, in.
351	90° Elbow	1/4-6
371	90° Elbow Flanged by threaded	1/4-6
356	45° Elbow	1/4-6
372	45° Elbow Flanged by threaded	1/4-6
356a	22 1/2° Elbow	3/4 to 2 1/2
352	90° Reducing Elbow	1/2 by 1/4, 3/8; 3/4 by 1/2; 1 by 1/2, 3/4, 1; 1 1/4 by 1/2, 3/4, 1, 1 1/4; 1 1/2 by 1/2, 3/4, 1, 1 1/4; 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1, 1 1/4, 1 1/2, 2; 3 by 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 3; 4 by 2, 2 1/2, 3, 3 1/2; 5 by 2 1/2, 3, 4; 6 by 3, 4, 5
358	Tee	1/4 to 6
359	Reducing Tee	1/2 by 1/2 by 1/4, 3/8, 3/4, 1; 3/4 by 3/4 by 1/4, 3/8, 1/2, 1; 3/4 by 1/2 by 1/2, 3/4; 3/4 by 1/4 by 3/4; 1 by 1 by 1/4, 1/2, 3/4, 1 1/4, 1 1/2, 2; 1 by 3/4 by 1/2, 3/4, 1; 1 by 1/2 by 1/2, 3/4, 1; 1 by 1/4 by 1; 1 1/4 by 1 1/4 by 1/2, 3/4, 1, 1 1/2, 2; 1 1/4 by 1 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2; 1 1/4 by 3/4 by 3/4, 1, 1 1/4; 1 1/4 by 1/2 by 1/2, 1, 1 1/4; 1 1/2 by 1 1/2 by 1/2, 3/4, 1, 1 1/4, 2, 2 1/2; 1 1/2 by 1 1/4 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 1 1/2 by 1 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2; 1 1/2 by 3/4 by 1 1/2, 2; 1 1/2 by 1/2 by 1 1/4, 1 1/2;
359	Reducing Tee	2 by 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2, 4; 2 by 1 1/2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2; 2 by 1 1/4 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2; 2 by 1 by 1, 1 1/4, 1 1/2, 2, 2 1/2; 2 by 3/4 by 1 1/4, 1 1/2, 2; 2 by 1/2 by 1 1/2, 2; 2 1/2 by 2 1/2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 4; 2 1/2 by 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2; 2 1/2 by 1 1/2 by 1 1/2, 2, 2 1/2; 2 1/2 by 1 1/4 by 1 1/2, 2, 2 1/2; 2 1/2 by 1 by 2, 2 1/2; 2 1/2 by 3/4 by 2 1/2; 2 1/2 by 1/2 by 2, 2 1/2;
359	Reducing Tee	3 by 3 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 1/2, 4, 5; 3 by 2 1/2 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3; 3 by 2 by 1 1/2, 2, 2 1/2, 3; 3 by 1 1/2 by 2 1/2, 3; 3 by 1 1/4 by 3; 3 by 1/2, 3/4, 1 by 3; 3 1/2 by 3 1/2 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 5; 3 1/2 by 3 by 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 5; 3 1/2 by 2 1/2 by 2 1/2, 3, 3 1/2, 4; 3 1/2 by 2 by 3 1/2; 3 1/2 by 1 1/4 by 3;
359	Reducing Tee	4 by 4 by 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 5, 6; 4 by 3 1/2 by 1 1/2, 2, 2 1/2, 3, 3 1/2, 4, 5; 4 by 3 by 1 1/4, 1 1/2, 2, 2 1/2, 3, 4; 4 by 2 1/2 by 2 1/2, 3, 4, 5; 4 by 2 by 2, 2 1/2, 3, 4; 4 by 3/4, 1, 1 1/4, 1 1/2 by 4; 5 by 5 by 1 1/2, 2, 2 1/2, 3, 4, 6; 5 by 4 by 2 1/2, 3, 4, 5, 6; 5 by 3 1/2 by 3, 4, 6; 5 by 3 by 4, 6; 5 by 2, 2 1/2 by 5; 6 by 6 by 1 1/4, 2, 2 1/2, 3, 4, 5; 6 by 5 by 1 1/2, 3 1/2, 6; 6 by 4 by 3, 4, 6; 6 by 3 1/2, 2 1/2, 2, 1 1/2 by 6; 6 by 3 by 4

Product Description	Fitting Description	Nominal Pipe Size, in.
360	Cross	1/2 through 6
361	Reducing Cross	1 by 3/4; 1 1/4 by 1; 1 1/2 by 1, 1 1/4; 2 by 1, 1 1/4, 1 1/2; 2 1/2 by 1, 1 1/4, 1 1/2, 2; 3 by 1, 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 1 1/4, 1 1/2; 4 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2; 5 by 2, 3; 6 by 1 1/4, 2 1/2, 4, 5
367	Concentric Reducer	3/4 by 1/2; 1 by 1/2, 3/4; 1 1/4 by 1/2, 3/4, 1; 1 1/2 by 1/2, 3/4, 1, 1 1/4; 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1 1/2, 2; 3 by 3/4, 2, 2 1/2; 4 by 2, 2 1/2, 3
368	Eccentric Reducer	3/4 by 1/2; 1 by 1/2, 3/4; 1 1/4 by 1/2, 3/4, 1; 1 1/2 by 1/2, 3/4, 1, 1 1/4; 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1, 1 1/4, 1 1/2, 2; 3 by 1, 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 2, 3; 4 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3
383	Hex Bushing	1/4 by 1/8; 3/8 by 1/8, 1/4; 1/2 by 1/8, 1/4, 3/8; 3/4 by 1/8, 1/4, 3/8, 1/2; 1 by 1/8, 1/4, 3/8, 1/2, 3/4; 1 1/4 by 1/4, 3/8, 1/2, 3/4, 1; 1 1/2 by 1/4, 3/8, 1/2, 3/4, 1, 1 1/4; 2 by 1/4, 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2; 3 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3; 4 by 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2
380	Bar Plug, Solid	4 to 6
381	Cap	2 1/2 to 6
385	Face Bushing	1/4 by 1/8; 3/8 by 1/4; 1/2 by 1/4, 3/8; 3/4 by 3/8, 1/2; 1 by 1/2, 3/4; 1 1/4 by 1/2, 3/4, 1; 1 1/2 by 1/2, 3/4, 1, 1 1/4; 2 by 1/2, 1, 1 1/4, 1 1/2; 2 1/2 by 1 1/4, 1 1/2, 2; 3 by 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 2 1/2; 4 by 2, 2 1/2, 3
387	Sq. Hd. Plug, Cored	1/2 to 4
388	Solid Plug	1/2 to 3 1/2
389	Bar Plug, Cored	4 to 8
390	Plug, C'sunk	1/2 to 4
250 lb Standard Threaded CI Fittings. Rated working pressure is 400 psi (2760 kPa)		
421	90° Elbow	1/4 to 4
424	45° Elbow	1/2 to 4
425	Tee	1/4 to 4
426	Reducing Tee	3/4 by 3/4 by 1/2; 1 by 1 by 1/2, 3/4; 1 1/4 by 1 1/4 by 3/4, 1; 1 1/2 by 1 1/2 by 3/4, 1, 1 1/4; 2 by 2 by 3/4, 1, 1 1/4, 1 1/2
125 lb Standard Flanged CI Fittings. Rated working pressure is 175 psi (1205 kPa)		
801	90° Elbow	1 1/2 through 8
802	45° Elbow	1 1/2 through 8

<i>Product Description</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
803	90° Reducing Elbow	2½ by 2; 3 by 2, 2½; 4 by 2, 2½, 3; 5 by 3, 4; 6 by 3, 4, 5; 8 by 4, 5, 6
804	90° Long Radius Elbow	2 through 8
804R	90° LR Reducing Elbow	3 by 2; 4 by 3; 5 by 4; 6 by 4, 5; 8 by 5, 6
805	90° Base Elbow	3 through 8
808	Side Outlet Elbow	4 through 8
811	Tee	1½ through 8
812	Reducing Tee	2½ by 2½ by 2; 3 by 3 by 1½, 2, 2½; 4 by 4 by 1½, 2, 2½, 3; 5 by 5 by 2½, 3, 4; 6 by 6 by 2, 2½, 3, 4, 5; 8 by 8 by 3, 4, 5, 6
821	Cross	2 through 6
825	Concentric Reducer	2 by 1½; 2½ by 1½, 2; 3 by 1½, 2, 2½; 4 by 2, 2½, 3, 3½; 5 by 2½, 3, 4; 6 by 2, 2½, 3, 4, 5; 8 by 4, 5, 6
826	Eccentric Reducer	3 by 2, 2½; 4 by 2, 2½, 3; 5 by 4; 6 by 3, 4, 5; 8 by 4, 5, 6
1010T	Pipe Size Flange	3 through 8
1011	Companion Flange	1 through 8
1016	Red. Comp. Flange	1 through 8
1018	Blind Flange	1 through 8
1035	Mall. Iron Comp. Flange	1½ through 8
250 lb Standard Flanged CI Fittings. Rated working pressure is 400 psi (2760 kPa).		
831	90° Elbow	4 to 6
832	45° Elbow	4 to 6
833	90° Red. Elbow	4 by 2½, 3; 5 by 3, 4; 6 by 4, 5
841	Tee	3 to 6
842	Reducing Tee	3 by 3 by 2, 2½; 4 by 4 by 2, 2½, 3; 5 by 5 by 4; 6 by 6 by 3, 4
855	Conc. Reducer	4 by 2, 2½, 3; 5 by 2½, 3, 4; 6 by 2½, 3, 4, 5
1025	Comp. Flange	3 to 6
1030	Red. Comp. Flange	3 to 6
1021	Blind Flange	3 to 6
150 lb Standard Threaded Malleable Iron Fittings. Rated working pressure is 300 psi (2070 kPa).		
1101	90° Elbow	½ to 6
1102	45° Elbow	½ to 6

Product Description	Fitting Description	Nominal Pipe Size, in.
1101R	90° Red. Elbow	<p>1/4 by 1/8; 3/8 by 1/8, 1/4; 1/2 by 1/4, 3/8; 3/4 by 1/4, 3/8, 1/2; 1 by 3/8, 1/2, 3/4; 1 1/4 by 1/2, 3/4, 1; 1 1/2 by 3/4, 1, 1 1/4; 2 by 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1 1/2, 2; 3 by 2, 2 1/2; 4 by 3</p>
1103	Street Elbow	1/8 to 4
1121	Straight Coupling	1/8 to 4
1103R	Red. Street Elbow	<p>1/2 by 3/8; 3/4 by 1/2; 1 by 3/4; 1 1/4 by 3/4, 1; 1 1/2 by 1, 1 1/4; 2 by 1 1/2</p>
1104	45° Street Elbow	1/8 to 2
1109	Side Outlet Elbow	1/2 through 2
1106	Street Tee	1/4 to 2
1105	Tee	1/8 to 6
1113	Side Outlet Tee	3/4 through 2
1124	Cap	1/4 to 6
1105R	Reducing Tee	<p>1/4 by 1/4 by 1/8, 3/8; 3/8 by 1/4 by 1/4, 3/8, 1/2; 3/8 by 3/8 by 1/2; 1/2 by 1/2 by 1/4, 3/8, 3/4, 1; 1/2 by 3/8 by 1/2, 3/8; 3/4 by 3/4 by 1/4, 3/8, 1/2, 1, 1 1/4; 3/4 by 1/2 by 3/4, 1/2; 3/4 by 3/8 by 3/4, 3/8; 3/4 by 1/4 by 3/4; 1 by 1 by 1/4, 3/8, 1/2, 3/4, 1 1/4, 1 1/2, 2; 1 by 3/4 by 1/2, 3/4, 1; 1 by 1/2 by 1/2, 3/4, 1; 1 by 1/4 by 1; 1 1/4 by 1 1/4 by 3/8, 1/2, 3/4, 1, 1 1/2, 2; 1 1/4 by 1 by 1/2, 3/4, 1, 1 1/4; 1 1/4 by 3/4 by 3/4, 1, 1 1/4; 1 1/4 by 1/2 by 1, 1 1/4; 1 1/2 by 1 1/2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2; 1 1/2 by 1 1/4 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 1 1/2 by 1 by 1, 1 1/4, 1 1/2; 1 1/2 by 3/4 by 3/4, 1 1/2; 1 1/2 by 1/2 by 1 1/2; 2 by 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2; 2 by 1 1/2 by 1, 1 1/4, 1 1/2, 2; 2 by 1 1/4 by 1 1/4, 1 1/2, 2; 2 by 1/2, 3/4, 1 by 2; 2 1/2 by 2 1/2 by 3/4, 1, 1 1/4, 1 1/2, 2, 3; 2 1/2 by 2, 1 1/2 by 2 1/2, 2; 3 by 3 by 3/4, 1, 1 1/4, 1 1/2, 2 1/2; 3 by 2 1/2 by 2 1/2, 2; 3 by 2 by 2, 3; 4 by 4 by 1 1/2, 2, 2 1/2, 3; 4 by 3 by 4</p>
1107	Cross	1/8 to 4
1106R	Red. Street Tee	1/4 by 1 by 1 1/4 and 2 by 1 1/2 by 2
1125	Concentric Reducer	<p>1/4 by 1/8; 3/8 by 1/8, 1/4; 1/2 by 1/8, 1/4, 3/8; 3/4 by 1/8, 1/4, 3/8, 1/2; 1 by 1/4, 3/8, 1/2, 3/4; 1 1/4 by 1/2, 3/4, 1; 1 1/2 by 1/2, 3/4, 1, 1 1/4; 2 by 1/2, 3/4, 1, 1 1/4, 1 1/2; 2 1/2 by 1, 1 1/4, 1 1/2, 2; 3 by 1, 1 1/4, 1 1/2, 2, 2 1/2; 3 1/2 by 2, 2 1/2, 3; 4 by 1 1/2, 2, 2 1/2, 3, 3 1/2; 5 by 4; 6 by 4</p>
1108	45° Y Lateral	3/8 through 4
1138	Extension Piece	1/2 through 1

300 lb Standard Threaded Malleable Iron Fittings. Rated working pressure as follows:

<i>Product Description</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
¼ to 1 in. NPS	2000 psi (13.8 mPa)	
1¼ to 2 in. NPS	1500 psi (10.3 mPa)	
2½ to 4 in. NPS	1000 psi (6.9 mPa)	
1161	90° Elbow	¼ to 4
1162	45° Elbow	¼ to 4
1161R	90° Reducing Elbow	¾ by ¼; ½ by ⅜; ¾ by ½; 1 by ½, ¾; 1¼ by ¾, 1; 1½ by 1, 1¼; 2 by 1¼, 1½; 2½ by 2; 3 by 2½
1163	Cap	¼ to 3
1166	Str. Coupling	¼ to 3
1170	90° Street Elbow	¼ to 3
1160	45° Street Elbow	½ to 2
1164	Tee	¼ to 4
1164R	Reducing Tee	¾ by ¾ by ¼; ½ by ½ by ¼, ⅜, ¾; ½ by ¾ by ½; ¾ by ¾ by ¼, ⅜, ½, 1; ¾ by ½ by ½, ¾; 1 by 1 by ¼, ⅜, ½, ¾; 1 by ¾ by ¾, 1; 1 by ½ by 1; 1¼ by 1¼ by ¾, ½, ¾, 1; 1¼ by 1 by 1, 1¼; 1¼ by ¾ by 1¼; 1½ by 1½ by ½, ¾, 1, 1¼; 1½ by 1¼ by 1½; 2 by 2 by ½, ¾, 1, 1¼, 1½; 2 by 1½ by 2; 2½ by 2½ by 1½, 2; 2½ by 2 by 2½; 3 by 3 by 2; 3 by 2½ by 3;
1165	Cross	¼ to 2
1167	Concentric Reducer	¾ by ¼; ½ by ¼, ⅜; ¾ by ¼, ⅜, ½; 1 by ¼, ⅜, ½, ¾; 1¼ by ½, ¾, 1; 1½ by ½, ¾, 1, 1¼; 2 by ½, ¾, 1, 1¼, 1½; 2½ by 1½, 2; 3 by 1½, 2, 2½; 4 by 2, 2½, 3

Ductile Iron Fittings

<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>
D.I. Cap, Threaded	½, ¾, 1, 1¼, 1½, 2, 2½	500 (3450)
D.I. Straight Coupling, Threaded	½, ¾, 1, 1¼, 1½, 2, 2½	500 (3450)
D.I. 90° Elbow, Threaded	½, ¾, 1, 1¼, 1½, 2, 2½	500 (3450)
D.I. 45° Elbow, Threaded	½, ¾, 1, 1¼, 1½, 2, 2½	500 (3450)
D.I. Bushings, Threaded	1x½, ¾ 1¼x¾ 2x1	500 (3450)
D.I. Concentric Reducer, Threaded	1x½, ¾ 1¼x¾ 2x1	500 (3450)

<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>
D.I. 90° Reducing Elbow, Threaded	3/4x1/2 1x1/2, 3/4 1 1/4x1/2, 3/4, 1 1 1/2x3/4, 1, 1 1/4 2x3/4, 1, 1 1/4, 1 1/2 2 1/2x1 1/2, 2	500 (3450)
Reducing Tee, Threaded	3/4x3/4x1/2, 1 3/4x1/2x3/4, 1/2 1x1x1/2, 3/4, 1 1/4, 1 1/2 1x3/4x3/4, 1 1x1/2x1 1 1/4x1 1/4x1/2, 3/4, 1, 1 1/2, 2 1 1/4x1x1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/4x3/4x1 1/4 1 1/4x1/2x1 1/4 1 1/2x1 1/2x1/2, 3/4, 1, 1, 1 1/4, 2 1 1/2x1 1/4x1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2x1x1/2, 3/4, 1, 1 1/4, 1 1/2 1-1/2x3/4x1 1/4, 1 1/2 1 1/2x1/2x1 1/4, 1 1/2 2x2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2 2x1 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2x1 1/4x2 2x1x2 2 1/2x2 1/2x3/4, 1, 1 1/4, 1 1/2, 2, 3	500 (3450)
D.I. Reducing Cross, Threaded	1 1/4x1, 1 1/2x1, 2x1	500 (3450)
D.I. Square Head Pipe Plug	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	500 (3450)
D.I. Equal Tee, Threaded	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	500 (3450)
D.I. Union, Threaded	1, 1 1/4, 1 1/2, 2	500 (3450)
D.I. Cross, Threaded	1, 1 1/4, 1 1/2, 2	500 (3450)

Cast Iron Fittings

<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Max Working Pressure, psi (kPa)</i>
C.I. 90° Elbow, Threaded	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	300 (2070)
C.I. 45° Elbow, Threaded	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2	300 (2070)
C.I. Concentric Reducer, Threaded	1x1/2, 3/4 2x1	300 (2070)
C.I. 90° Reducing Elbow, Threaded	1x1/2, 3/4, 1 1/4x1/2, 3/4, 1, 1 1/2x1/2, 3/4, 1, 1 1/4, 2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2x3/4, 1, 1 1/4, 1 1/2, 2	300 (2070)
C.I. Reducing Tee, Threaded	1 x 1 1/2x1/2, 3/4, 1, 1x3/4x1/2, 3/4, 1, 1x1x1/2, 3/4, 1 1/4, 1x1 1/4x1, 1 1/4x1 1/4x1/2, 3/4, 1, 1 1/2, 2, 1 1/4x1x1/2, 3/4, 1, 1 1/4, 1 1/2,, 1 1/4x3/4x1 1/4, 1 1/4x1/2x1 1/4, 1 1/2x1 1/2x1/2, 3/4, 1, 1, 1 1/4, 2, 1 1/2x1 1/4x1/2, 3/4, 1, 1 1/4, 1 1/2, 1 1/2x1x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 1 1/2x3/4x1 1/4, 1 1/2, 1 1/2x1/2x1 1/4, 1 1/2, 2x2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2x1 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2x1 1/4x1/2, 1, 1 1/4, 1 1/2, 2, 2x1x3/4, 1, 1 1/4, 2, 2x2x2 1/2, 2 1/2x2 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2x1 1/4x2 1/2, 2x1x2 1/2, 2x3/4x2 1/2, 2 1/2x1 1/2x2, 2 1/2	300 (2070)
C.I. Equal Tee, Threaded	1/2, 3/4, 1, 1 1/4, 1 1/2, 2	300 (2070)

Malleable Iron Fittings

Description	Nominal Pipe Size, in.	Pressure Rating psi (kPa)
90° Elbows	1/2 thru 4	500 (3445)
	5, 6	300 (2070)
Reducing Elbows, 90	1/2x1/4 thru 4x3	500 (3445)
Street Elbows, 90	1/2 thru 4	500 (3445)
	6	300 (2070)
Elbow, 45	1/2 thru 4	500 (3445)
	5, 6	300 (2070)
Street Elbow, 45	1/2 thru 4	500 (3445)
Side Outlet Elbows	1/2 thru 2	500 (3445)
Tees	1/2 thru 4	500 (3445)
	5, 6	300 (2070)
Reducing Tees	1/2x1/2x1/4, 3/8 1/2x1/4x1/2 1/2x3/8x1/2 3/4x3/4x1/4, 3/8, 1/2 3/4x1/2x1/2, 3/4 1x1x1/4, 3/8, 1/2, 3/4 1x1/2x1/2, 3/4, 1 1x3/4x1/2, 3/4, 1 1 1/4x1/2x1/2, 3/4, 1, 1 1/4 1 1/4x3/4x1/2, 3/4, 1, 1 1/4 1 1/4x1x1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/4x1 1/4x3/8, 1/2, 3/4, 1 1 1/2x1/2x3/4, 1 1/2 1 1/2x3/4x1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2x1x1/2, 3/4, 1, 1 1/4, 1 1/2 1 1/2x1 1/4x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1 1/2x1 1/2x1/2, 3/4, 1, 1 1/4 2x1/2x2 2x3/4x2 2x1x1, 1 1/2, 2 2x1 1/4x1, 1 1/4, 1 1/2, 2 2x1 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 2x2x1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2x1 1/2x2, 2 1/2 2 1/2x2x2, 2 1/2 2 1/2x2 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3x2x2, 3 3x3x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 4x4x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3	500 (3445)
Bullhead Tees	3/8x3/8x1/2 1/2x1/2x3/4, 1 3/4x3/4x1 1x1x1 1/4, 1 1/2, 2 1 1/4x1 1/4x1 1/2, 2 1 1/2x1 1/2x2	500 (3445)
Service Tee	1/2 thru 2	500 (3445)
Lateral Y Branch	1/2 thru 4	500 (3445)
Cross	1/2 thru 4	500 (3445)
	5, 6	300 (2070)
Reducing Cross	3/4x1/2 1x3/4 1 1/4 x 3/4, 1 1 1/2x3/4, 1/1 1/4 2x3/4, 1/1 1/4, 1 1/2 2 1/2x1, 1 1/4, 1 1/2, 2 3x1, 1 1/4, 1 1/2, 2, 2 1/2 4x2 1/2, 3	500 (3445)
Coupling	1/2 thru 4	500 (3445)

Description	Nominal Pipe Size, in.	Pressure Rating psi (kPa)
Reducing Coupling	1/2x3/8 3/4x3/8, 1/2 1x3/8, 1/2, 3/4 1 1/4x1/2, 3/4, 1 1 1/2x1/2, 3/4, 1, 1 1/4 2x1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2x1 1/2, 2 3x1 1/2, 2, 2 1/2 4x2, 3	500 (3445)
Bushing	1/2x1/4, 3/8 3/4x3/8, 1/2 1x1/2, 3/4 1 1/4x1/2, 3/4, 1 1 1/2x3/8, 1/2, 3/4, 1, 1 1/4 2x3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 2 1/2x1/2, 3/4, 1, 1 1/4, 1 1/2, 2 3x1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2 3 1/2x2 1/2, 3 4x3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 3 1/2	500 (3445)
	5x2, 3, 4 6x2, 2 1/2, 3, 3 1/2, 4, 5	300 (2070)
Hex Nipple	1/2 thru 2 1/2	500 (3445)
Plug, Sq. Hd.	1/2 thru 4	500 (3445)
Plug, Cross slotted	4	500 (3445)
	5, 6	300 (2070)
Plug, Sq. Socket	1/2 thru 4	500 (3445)
Plug, Solid Sq.	1/2 thru 4	500 (3445)
Cap	1/2 thru 4	500 (3445)
	5, 6	300 (2070)
Flange	1/2 thru 2	500 (3445)
Unions	1/2 thru 4	500 (3445)
Extension Piece	1/2, 3/4, 1, 1 1/4, 1 1/2, 2, 2 1/2, 3, 4	500 (3445)

Threaded Pipe Unions

Model No.	Pressure psi (kPa)	Nominal Pipe Size, in.
463	300 (2070)	1/4 to 3
554	400 (2760)	1/4 to 4
459	600 (4135)	1/4 to 4
551	600 (4135)	1/2 to 2
552	600 (4135)	3/8 to 1
J-3	600 (4135)	1/4 to 2
Dart (0832)	600 (4135)	3/8 to 2

Segmentally welded pipe fittings for use with flexible or rigid grooved pipe couplings, plain end fittings, welded or threaded joints, or flanges. Working pressures of 300 psi (2070 kPa) for non-threadable Thinwall pipe up to 4 in. NPS, Schedules 10 and 40 up to 8 in. NPS, and 250 psi (1725 kPa) for 10 and 12 in. NPS.

Prefix 7 in model no. means made from non-threadable Thinwall pipe.

Prefix 10 in model no. means made from Schedule 10 pipe.

Prefix 40 in model no. means made from Schedule 40 pipe.

Product Designation	Fitting Description	Nominal Pipe Size, in.
7-7072	Reducer, Grooved, Concentric	1 1/4 by 1 through 4 by 3
10-7072, 40-7072	Reducer, Grooved, Concentric	1 1/4 by 1 through 12 by 10
7-7073	Reducer, Grooved, Eccentric	1 1/4 by 1 through 4 by 3
10-7073, 40-7073	Reducer, Grooved, Eccentric	1 1/4 by 1 through 12 by 10
7-7076	Reducer, Grooved x MPT, Concentric	1 1/4 by 1/2 through 4 by 3

Product Designation	Fitting Description	Nominal Pipe Size, in.
10-7076, 40-7076	Reducer, Grooved x MPT, Concentric	1¼ by ½ through 12 by 6
7-7064	Reducing Tee, Groovedx Grooved x MPT	1¼ by 1¼ by ¼ through 4 by 4 by 3
10-7064, 40-7064	Reducing Tee, Groovedx Grooved x MPT	1¼ by 1¼ by ½ through 12 by 12 by 10
7-7061	Tee, Reducing Grooved	1¼ by 1¼ by ¼ through 4 by 4 by 3
10-7061, 40-7061	Tee, Reducing Grooved	1¼ by 1¼ by ½ through 12 by 12 by 10
7-7068	Cross, Grooved	1¼ through 4
10-7068, 40-7068	Cross, Grooved	1¼ through 10
7-7062	Tee, Bullhead, Grooved	2 by 2 by 2½ through 3½ by 3½ by 4
10-7062, 40-7062	Tee, Bullhead, Grooved	2 by 2 by 2½ through 6 by 6 by 8
10-7084, 40-7084	Adaptor Nipple, Grooved x Flanged	1½ through 12
7-7075DR	90° Drain Elbow, Grooved	1¼ through 4
10-7075DR, 40-7075DR	90° Drain Elbow, Grooved	1¼ through 12
7-7052	22.5° Elbow, Grooved	1¼ through 4
10-7052, 40-7052	22.5° Elbow, Grooved	1¼ through 12
7-7053	11.2° Elbow, Grooved	1¼ through 4
10-7053, 40-7053	11.2° Elbow, Grooved	1¼ through 12
7-7074DR	End Cap, Drain, Concentric	1½ through 4
10-7074DR, 40-7074DR	End Cap, Drain, Concentric	1½ through 12

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Max. Working Pressure, psi (kPa)
7050E	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 165 mm	90° Elbow, Grooved Ends		300 (2070)
7051E	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 165 mm	45° Elbow, Grooved Ends		300 (2070)
7074E	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 165 mm	Grooved End Cap		300 (2070)
7450E	2, 2½, 3, 4, 6, 8	90° Elbow, Short Radius		300 (2070)
7451E	2, 2½, 3, 4, 6, 8	45° Elbow, Short Radius		300 (2070)
7460E	2, 2½, 3, 4, 6, 8	Equal Tee, Short Radius		300 (2070)
7060E	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 165 mm	Equal Tee, Grooved Ends		300 (2070)
SE-2	2, 2½, 3, 4, 6	Short pattern 45° Grooved Elbow		300 (2070)
SE-2	76.1, 139.7, 165.1 mm	Short pattern 45° Grooved Elbow		300 (2070)

Gruvlok standard grooved-end fittings for use with Gruvlok couplings. Rated working pressure is 500 psi (3445 kPa) unless otherwise noted.

Product Designation	Fitting Description	Nominal Pipe Size, in.	Pressure Rating, psi (kPa)
7050	90° Elbow	1-10	500 (3445)
		12	350 (2415)
		76, 108, 133, 139, 159, 165 mm	175 (1205)
		216, 267 mm	500 (3445)
		318 mm	400 (2760)
			500 (3445)
7050LR	90° Long Radius Elbow	1-10	500 (3445)
7050S	90° Elbow	1¼-8	300 (2070)
7050SR	Short Radius 90° Elbow Grooved	2-6	175 (1205)
7050T	Grooved 90° Elbow	1¼-8	175 (1205)
		12	350 (2415)
7051	45° Elbow	1-10	500 (3445)
			500 (3445)

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Pressure Rating, psi (kPa)</i>
7051	45° Elbow	12 76, 108, 133, 139, 159, 165 mm 216, 267 mm 318 mm	350 (2415) 175 (1205) 500 (3445) 400 (2760)
7051LR	45° Long Radius Elbow	1-10 12	500 (3445) 350 (2415)
7051S	45° Elbow	1¼-8	300 (2070)
7051SR	Short Radius	2-6	175 (1205)
7051T	45° Elbow Grooved Grooved 45° Elbow	1¼-8	175 (1205)
7052	22½° Elbow	1-10 12	500 (3445) 350 (2415)
7053	11¼° Elbow	1-10 12	500 (3445) 350 (2415)
7055	90° Adapter Elbow	1-10 12	500 (3445) 350 (2415)
7056	45° Adapter Elbow	1-10 12	500 (3445) 350 (2415)
7060	Tee	1-10 12 76, 108, 133, 139, 159, 165 mm 216, 267 mm 318 mm	500 (3445) 350 (2415) 175 (1205) 500 (3445) 400 (2760)
7060S	Tee	1¼-8	300 (2070)
7060SR	Shurjoint Radius Tee Grooved	2-6	175 (1205)
7060T	Grooved Tee	1¼-8	175 (1205)
7061	Reducing Tee	1-10 12	500 (3445) 350 (2415)
7061T	Grooved Reducing Tee	2x1½, 2½x2, 3x2, 3x2½, 4x2, 4x2½, 4x3, 6x3, 6x4	175 (1205)
7062	Bull Head Tee	5x5x8 6x6x8	500 (3445) 500 (3445)
7063	Tee With Threaded Branch	1-10 12	500 (3445) 350 (2415)
7064	Reducing Tee With Threaded Branch	1-10 12	500 (3445) 350 (2415)
7065	Stand Pipe Tee	4x4x2½ 6x6x2½	500 (3445) 500 (3445)
7066	Tee Wyes	2x2x2 - 10x10x10 12x12x3, 4, 6, 8, 10, 12	500 (3445) 350 (2415)
7067	Reducing Tee Wyes	4x3x3- 8x6x8	500 (3445)
7068*	Cross	1-10 12	500 (3445) 400 (2760)
7068T	Grooved Cross	2, 2½, 3, 4, 5, 6	175 (1205)

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Pressure Rating, psi (kPa)</i>
7069	45° Lateral	1-10	500 (3445)
		12	350 (2415)
7070*	Reducing Lateral	3x3x2 - 12x12x6 12x12x8, 12x12x10	500 (3445) 400 (2760)
7071	90° True Wye	1-10	500 (3445)
		12	350 (2415)
7072	Concentric Reducer	1½x1-10x8	500 (3445)
		12x6, 8, 10	350 (2415)
		76 mm by 1½ in. 76 mm by 2 in. 3 in. by 76 mm 4 in. by 76 mm 139 mm by 3 in. 139 mm by 4 in. 165 mm by 3 in. 165 mm by 4 in.	500 (3445)
		165 mm by 139 mm 6 in. by 76 mm 6 in. by 139 mm	
7072T	Grooved Concentric Reducer	2½x2, 3x2, 3x2½, 4x2, 4x2½, 4x3, 5x4, 6x2, 6x3, 6x4, 6x5, 8x4, 8x6	175 (1205)
7073	Eccentric Reducer	1½x1-10x8	500 (3445)
		12x4, 6, 8, 10	350 (2415)
7074	Cap	1-8	500 (3445)
		10	400 (2760)
		12	300 (2070)
		76, 108, 133, 139, 159, 165 mm 216, 267 mm	175 (1205) 500 (3445)
		318 mm	400 (2760)
7074S	Cap	1-8	300 (2070)
7074T	Gruvlok Grooved Caps	1¼-8	175 (1205)
7076	Concentric Reducer Threaded Small End	1½-1-10x8	500 (3445)
		12x6, 8, 10	350 (2415)
7076T*	Grooved Concentric Reducer	2½x2, 3x2, 3x2½, 4x2, 4x2½, 4x3, 5x4, 6x2, 6x3, 6x4, 6x5, 8x4, 8x6	175 (1205)
7077	Swaged Nipple, GRVxGRV	2x1-6x5	500 (3445)
7078	Swaged Nipple With Threaded End	2x1-6x5	500 (3445)
7079	Swaged Nipple, With Bevel	2x1-6x5	500 (3445)
7080	Nipple, GRxGR	¾-10	500 (3445)
		12	350 (2415)
7081**	Nipple, GR x MPT	¾-10	500 (3445)
		12	350 (2415)
7082	Nipple, GR x BEV	¾-10	500 (3445)
		12	350 (2415)

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Pressure Rating, psi (kPa)</i>
7084T	Gruvlok Flange Adaptor	2½, 3, 4, 5, 6	175 (1205)
7091	End All	1½x½, 1½x¾, 1½x1, 2x½, 2x¾, 2x1, 2½x½, 2½x¾, 2½x1 2-6	300 (2070)
7095*	90° Elbow Reducing Groove x NPT	1½x1	250 (1725)
7097	Eccentric Reducer Threaded Small End	1½x1-10x8 12x4, 6, 8, 10	500 (3445) 350 (2415)

*Fabricated fittings FM Approved with rolled or cut-grooved ends.

**Male threaded outlets.

Gruvlok Sock-It quick connect fittings for plain-end pipe. Pressure rating of 300 psi (2070 kPa) for all items except those having one or more 2 in. (51 mm) connections. 2 in. (51 mm) items rated at 250 psi (1725 kPa). Pressure rating is 175 psi (1205 kPa) for all items when used with FM Approved Allied Tube & Conduit "XL", "Super-40" and "Super-XL" pipe, Allied "Super-Flo" pipe or Allied Tube & Conduit "Dyna-Flow" pipe, or IDOD "Gal-7" or "Gal-flo". 2½ in. fittings rated at 175 psi for all pipes.

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
7100	Sock-It 90° Elbow	1, 1¼, 1½, 2
7101	Sock-It 90° ElbowxNPT	1x½, ¾, 1; 1¼x½, ¾, 1; 1½x½, ¾, 1
7103	Sock-It Tee	1, 1¼, 1½, 2
7105	Sock-It Tee with NPT Internal Branch Connection	1x½, ¾, 1; 1¼x½, ¾, 1; 1½x½, ¾, 1; 2x½, ¾, 1 2½x½, ¾, 1
7106	Sock-It Reducing Run Tee with NPT Internal Branch Connection	1¼x1x½, ¾, 1; 1½x1¼x½, ¾, 1; 2x1½x½, ¾, 1
7107	Sock-It Coupling	1, 1¼, 1½, 2
7175	Sock-It 90° Elbow by NPT Outlet	2x½, ¾, 1

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>	<i>Pressure Rating, psi (kPa)</i>
7450	90° Elbow, Short Radius	2-8	300 (2070)
7460	Tee, Short Radius	2-8	300 (2070)
i1101	Screwed Fitting 90° Elbows	½, ¾, 1, 1¼, 1½, 2, 2½	300 (2070)
i1102	Screwed Fitting 45° Elbows	½, ¾, 1, 1¼, 1½, 2, 2½	300 (2070)
i1105	Screwed Fitting Tees	½, ¾, 1, 1¼, 1½, 2, 2½	300 (2070)
i1105R	Screwed Fitting Reducing Tees	¾x¾x½, 1x1x¾, 1x1x½, 1x¾x1, 1x¾x¾, 1x¾x½, 1x½x1, 1¼x1¼x1, 1¼x1¼x¾, 1¼x1¼x½, 1¼x1x¼, 1¼x1x1, 1¼x1x¾, 1¼x1x½, 1x1x1¼, 1½x1½x1¼, 1½x1½x1, 1½x1½x¾, 1½x1½x½, 1½x1¼x1½, 1½x1¼x1,	

Product Designation	Fitting Description	Nominal Pipe Size, in.	Pressure Rating, psi (kPa)
i1105R	Screwed Fitting Reducing Tees	1½x1¼x¾, 1½x1¼x½, 1½x1x1½, 1½x1x1, 1½x1x¾, 1½x1x½, 1x1x1½, 1¼x1¼x1½, 1¼x1x1½, 2x2x1½, 2x2x1¼, 2x2x1, 2x2x¾, 2x2x½, 2x1½x2, 2x1½x1½, 2x1½x1, 2x1½x¾, 2x1½x½, 2x1¼x2, 2x1x2, 1½x1½x2, 1½x1¼x2, 2½x2x¾, 2x2x2½	300 (2070)
i1125	Screwed Fitting Reducer	¾x½, 1x¾, 1x½, 1¼x1, 1½x1, 1½x1¼, 2x1, 2x1¼, 2x1½, 2½x2	300 (2070)
i1107	Screwed Fitting Cross	1, 1¼, 1½, 2, 1¼x1, 1½x1, 2x1	300 (2070)
i1121	Screwed Fitting Straight Coupling	½, ¾, 1, 1¼, 1½, 2, 2½	300 (2070)
i388	Screwed Fitting Square Head Plug	½, ¾, 1, 1¼, 1½, 2	300 (2070)
i1124	Screwed Fitting Cap	½, ¾, 1, 1¼, 1½, 2	300 (2070)
i1133	Screwed Fitting Extension Piece	½x1½L, ½x2L, ¾x1½L, ¾x2L	300 (2070)
i387	Screwed Fitting Hex Bushing	1x¾, 1x½, 1¼x1, 1¼x¾, 1¼x½, 1½x1¼, 1½x1, 1½x¾, 1½x½, 2x1½, 2x1¼, 2x1, 2x¾, 2x½	300 (2070)
830	Screwed Fitting Brass Seat Union	½, ¾, 1, 1¼, 1½, 2, 2½	300 (2070)
Model 831 DI, Long Street Elbow	1x½ M, 1x1 M	Screwed Fitting	300 (2070)
Model 832 DI, Long Street Tee	1x½x1 M, 1x1x1 M	Screwed Fitting	300 (2070)

AnvilStar LLC, Division of Anvil International Inc, 110 Corporate Drive, Suite 10, Portsmouth NH 03801

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Max. Working Pressure, psi (kPa)
E-1	1, 1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 139.7, 165 mm	90° Elbow, Grooved Ends		300 (2070)
E-2	1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 139.7, 165 mm	45° Elbow, Grooved Ends		300 (2070)
K-1	1, 1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 139.7, 165 mm	Grooved End Cap		300 (2070)
SE-1	2, 2½, 3, 4, 6, 8 76.1, 139.7, 165.1 mm	90° Elbow, Short Radius		300 (2070)
SE-5	1¼x½, ¾, 1 1½x½, ¾, 1 2x½, ¾, 1 2½x½, ¾, 1 3x¾, 1	Grooved End Threaded (NPT) Outlet Reducing Elbow		300 (2070)
SE-9	2, 2½, 3, 4, 6	Grooved End Drain Elbow		300 (2070)
ST-1	2, 2½, 3, 4, 6, 8 76.1, 139.7, 165.1 mm	Equal Tee, Short Radius		300 (2070)
T-1	1, 1¼, 1½, 2, 2½, 3, 4, 5, 6, 8, 10, 12 76, 139.7, 165 mm	Equal Tee, Grooved Ends		300 (2070)

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Max. Working Pressure, psi (kPa)
MT-40	1/2x1 1/4-1 1/2	Welded Branch Outlet Fitting, NPT	a, b, c, d, f, g, h, i, j, l, m, n, o, p, q, r, t, u, v, w	300 (2070)
	1/2x1 1/2-2			
	1/2x2-2 1/2			
	1/2x2 1/2-8			
	3/4x1-1 1/4			
	3/4x1 1/4-1 1/2			
	3/4x1 1/2-2			
	3/4x2-2 1/2			
	3/4x2 1/2-8			
	1x1 1/4-1 1/2			
	1x1 1/2-2			
	1x2-2 1/2			
	1x2 1/2-3			
	1x3-4			
	1x5-8			
	1 1/4x1 1/2-2			
	1 1/4x2-2 1/2			
	1 1/4x2 1/2-3			
	1 1/4x3-4			
	1 1/4x5-8			
	1 1/2x2			
	1 1/2x2 1/2			
	1 1/2x3-4			
	1 1/2x4			
	1 1/2x5-8			
	2x2 1/2			
	2x3			
2x4				
2x6				
2x8				
MT-40	1/2x1 1/4-1 1/2	Welded Branch Outlet Fitting, NPT	e, k	175 (1205)
	1/2x1 1/2-2			
	3/4x1-1 1/4			
	3/4x1 1/4-1 1/2			
	3/4x1 1/2-2			
	1x1 1/4-1 1/2			
	1x1 1/2-2			
	1 1/4x1 1/2-2			
	1 1/2x2			
	1 1/2x2 1/2			
Cast Iron Threaded Pipe Fittings	1, 1 1/4, 1 1/2, 2, 2 1/2	C.I. 90° Elbow		300 (2070)
	1, 1 1/4, 1 1/2, 2, 2 1/2	C.I. 45° Elbow		300 (2070)
	1, 1 1/4, 1 1/2, 2, 2 1/2	C.I. Equal Tee		300 (2070)
	1, 1 1/4, 1 1/2, 2	C.I. Equal Cross		300 (2070)
	1x 1/2, 3/4	C. I. Reducing Elbow		300 (2070)
	1 1/4x 1/2, 3/4, 1			
	1 1/2x 1/2, 3/4, 1, 1 1/4			
	2x 1/2, 3/4, 1, 1 1/4, 1 1/2	C.I. Reducing Tee		300 (2070)
	1x 1 1/2x 1, 1x 3/4x 1, 1x 1x 1/2, 3/4, 1 1/4, 1 1/2			
	1 1/4x 1x 1/2, 3/4, 1 1/4, 1 1/2			
	1 1/4x 1 1/4x 1/2, 3/4, 1, 1 1/2, 2			
	1 1/2x 1x 1/2, 3/4, 1, 1 1/4, 1 1/2			
	1 1/2x 1 1/4x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2			
	1 1/2x 1 1/2x 1/2, 3/4, 1, 1 1/4, 2			
	2x 1 1/2x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	C.I. Reducing Coupling		300 (2070)
	2x 2x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2 1/2			
	1x 1/2, 3/4		300 (2070)	
1 1/4x 1, 1 1/2x 1, 2x 1	C.I. Reducing Cross		300 (2070)	
Ductile Iron Threaded Pipe Fittings	1, 1 1/4, 1 1/2, 2, 2 1/2	D.I. 90° Elbow		500 (3445)
	1, 1 1/4, 1 1/2, 2, 2 1/2	D.I. 45° Elbow		500 (3445)
	1, 1 1/4, 1 1/2, 2	D.I. Equal Tee		500 (3445)
	1, 1 1/4, 1 1/2, 2	D.I. Equal Cross		500 (3445)
	1x 1/2, 3/4	D. I. Reducing Elbow		500 (3445)
	1 1/4x 1/2, 3/4, 1			
	1 1/2x 1/2, 3/4, 1, 1 1/4			
2x 1/2, 3/4, 1, 1 1/4, 1 1/2		500 (3445)		

Product Designation	Nominal Pipe Size, in.	Fitting Description	Remarks	Max. Working Pressure, psi (kPa)
	1x1/2x1, 1x3/4x1, 1x1x1/2, 3/4, 1/4, 1/2 1 1/4x1x1/2, 3/4, 1/4, 1/2 1 1/4x1 1/4x1/2, 3/4, 1, 1 1/2, 2 1 1/2x1x1/2, 3/4, 1, 1/4, 1/2 1 1/2x1 1/4x 1/2, 3/4, 1, 1/4, 1/2, 2 1 1/2x1 1/2x 1/2, 3/4, 1, 1/4, 2 2x1x2, 2x1 1/4x2, 2x1 1/2x1/2, 3/4, 1, 1/4, 1/2, 2 2x2x1/2, 3/4, 1, 1/4, 1/2, 2 1/2 1x1/2, 3/4	D.I. Reducing Tee		500 (3445)
		D.I. Reducing Coupling		500 (3445)
	1 1/4x1, 1 1/2x1, 2x1	D.I. Reducing Cross		500 (3445)

Remarks:

- For use with FM Approved Schedule 10 and 40 steel sprinkler pipe in sizes: 1, 1/4, 1/2, 2, 2 1/2, 3, 4, 6, and 8 in. NPS.
- For use with Youngstown Tube "EZ-Thread" threadable Thinwall steel sprinkler pipe in sizes: 1, 1/4, 1/2, and 2 in. NPS.
- For use with Allied Tube and Conduit "XL" threadable Thinwall steel sprinkler pipe in sizes: 1, 1/4, 1/2, 2, 2 1/2, and 3 in. NPS.
- For use with Sawhill Tubular "SLS" threadable Thinwall steel sprinkler pipe in sizes: 1, 1/4, 1/2, and 2 in. NPS.
- For use with Wheatland Tube "WST" Schedule 5 steel sprinkler pipe in sizes: 1, 1/4, 1/2, and 2 in. NPS.
- For use with Tex-Tube "Tex-Flow" Lightwall steel sprinkler pipe in sizes: 3, 4, and 6 in. NPS.
- For use with Welded Tube-Berkeley LLC "Steady-Flow" Lightwall steel sprinkler pipe in sizes: 1 1/2, 2, 2 1/2, 3, and 4 in. NPS.
- For use with Wheatland Tube "Mega Flow" Lightwall steel sprinkler pipe in sizes: 1/4, 1/2, 2, 2 1/2, 3, and 4 in. NPS.
- For use with Northwest Pipe "EZ-Flow" Lightwall steel sprinkler pipe in sizes: 4 and 6 in. NPS.
- For use with Youngstown Tube "Fire-Flo" Lightwall steel sprinkler pipe in sizes: 1 1/2, 2, 2 1/2, 3, and 4 in. NPS.
- For use with Bull Moose Tube "Ultra - EDDY" Schedule 5 steel sprinkler pipe in sizes: 1, 1/4, 1/2, and 2 in. NPS.
- For use with Allied Tube & Conduit "XL-II" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, 2, 2 1/2, and 3 in. NPS.
- For use with Allied Tube & Conduit "Super-XL" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, 2, 2 1/2, and 3 in. NPS.
- For use with Allied Tube & Conduit "Super 40" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, 2, 2 1/2, and 3 in. NPS.
- For use with Allied Tube and Conduit "BLT" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Allied Tube & Conduit "Dyna-Thread" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Bull Moose Tube "EDDY-Lite" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Bull Moose Tube "EDDY-Thread" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Western International Forest Products "Rapid Thread" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Wheatland Tube "WLS" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Wheatland Tube "Mega Thread" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.
- For use with Wheatland Tube "MLT" threadable Thinwall steel sprinkler pipe in sizes: 1/4, 1/2, and 2 in. NPS.

Segmentally welded pipe fittings for use with flexible or rigid grooved pipe couplings, plain end fittings, welded or threaded joints, or flanges. Working pressures of 300 psi (2070 kPa) for non-threadable Thinwall pipe up to 4 in. NPS, Schedules 10 and 40 up to 8 in. NPS, and 250 psi (1725 kPa) for 10 and 12 in. NPS.

- Prefix 7 in model no. means made from non-threadable Thinwall pipe.
- Prefix 10 in model no. means made from Schedule 10 pipe.
- Prefix 40 in model no. means made from Schedule 40 pipe.

Product Designation	Fitting Description	Nominal Pipe Size, in.
7-R1	Reducer, Grooved, Concentric	1 1/4 by 1 through 4 by 3
10-R1, 40-R1	Reducer, Grooved, Concentric	1 1/4 by 1 through 12 by 10
7-R2	Reducer, Grooved, Eccentric	1 1/4 by 1 through 4 by 3
10-R2, 40-R2	Reducer, Grooved, Eccentric	1 1/4 by 1 through 12 by 10
7-R3	Reducer, Grooved x MPT, Concentric	1 1/4 by 1/2 through 4 by 3
10-R3, 40-R3	Reducer, Grooved x MPT, Concentric	1 1/4 by 1/2 through 12 by 6
7-T3	Reducing Tee, Grooved x Grooved x MPT	1 1/4 by 1 1/4 by 1/4 through 4 by 4 by 3
10-T3, 40-T3	Reducing Tee, Grooved x Grooved x MPT	1 1/4 by 1 1/4 by 1/2 through 12 by 12 by 10
7-T2	Tee, Reducing Grooved	1 1/4 by 1 1/4 by 1/4 through 4 by 4 by 3
10-T2, 40-T2	Tee, Reducing Grooved	1 1/4 by 1 1/4 by 1/2 through 12 by 12 by 10
7-X1	Cross, Grooved	1 1/4 through 4
10-X1, 40-X1	Cross, Grooved	1 1/4 through 10
7-BT1	Tee, Bullhead, Grooved	2 by 2 by 2 1/2 through 3 1/2 by 3 1/2 by 4
10-BT1, 40-BT1	Tee, Bullhead, Grooved	2 by 2 by 2 1/2 through 6 by 6 by 8
10-F2, 40-F2	Adaptor Nipple, Grooved x Flanged	1 1/2 through 12
7-E9	90° Drain Elbow, Grooved	1 1/4 through 4
10-E9, 40-E9	90° Drain Elbow, Grooved	1 1/4 through 12
7-E3	22.5° Elbow, Grooved	1 1/4 through 4
10-E3, 40-E3	22.5° Elbow, Grooved	1 1/4 through 12
7-E4	11.25° Elbow, Grooved	1 1/4 through 4
10-E4, 40-E4	11.25° Elbow, Grooved	1 1/4 through 12
7-K9	End Cap, Drain, Concentric	1 1/2 through 4
10-K9, 40-K9	End Cap, Drain, Concentric	1 1/2 through 12

Tri-flex Loops

The model numbers of the Tri-flex Loops contain a digit, which represents the amount of flex in inches that each assembly will tolerate in each principal plane of motion. The size of each assembly increases in proportion to the amount of flex required for each installation. Consult the manufacturer for overall dimensions of each loop.

<i>Product Designation</i>	<i>Nominal Pipe Size, in.</i>	<i>Assembly Ends</i>	<i>Remarks</i>	<i>Max Working Pressure, psi (kPa)</i>
Tri-flex Loops Series ANVL2F	2-3	Flanged ends 150 lb	a, b, c	300 (2070)
	4-12	Flanged ends 150 lb	a, b, c	175 (1205)
Tri-flex Loops Series ANVL4F	2-3	Flanged ends 150 lb	a, b, c	300 (2070)
	4-12	Flanged ends 150 lb	a, b, c	175 (1205)
Tri-flex Loops Series ANVL8F	2-3	Flanged ends	a, b, c	300 (2070)
	4-12	Flanged ends	a, b, c	175 (1205)
Tri-flex Loops Series ANVL2MT	1-3	Threaded ends Male NPT	a, b, c	300 (2070)
	4	Threaded ends Male NPT	a, b, c	175 (2070)
Tri-flex Loops Series ANVL4MT	1-3	Threaded ends Male NPT	a, b, c	300 (2070)
	4	Threaded ends Male NPT	a, b, c	175 (1205)
Tri-flex Loops Series ANVL2G	2-3	Grooved ends	a, b, c	300 (2070)
	4-12	Grooved ends	a, b, c	175 (1205)
Tri-flex Loops Series ANVL4G	2-3	Grooved ends	a, b	300 (2070)
	4-12	Grooved ends	a, b, c	175 (1205)
Tri-flex Loops Series ANVL8G	2-3	Grooved ends	a, b, c	300 (2070)
	4-12	Grooved ends	a, b, c	175 (1205)

Remarks

- a. Min schedule cut groove pipe to be joined: 6 in. or smaller – Schedule 40; 8 in. or larger – Schedule 30.
b. Min schedule rolled groove pipe to be joined: 6 in. or smaller – Schedule 10; 8 in. or larger – 0.188 in. (5 mm) wall.
c. The digit in the Series number is the amount of flex in inches that the assembly will withstand in each cardinal direction.

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Ductile Iron Grooved Fittings

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
Fig. 7901	Grooved Couplings	3, 4, 6, 8, 10, 12, 14, 16
Fig. 7912	Grooved Split Flange	3, 4, 6, 8, 10, 12, 14, 16
Rated Working Pressure	250 psi (1725 kPa) for 3 thru 12 in. sizes 175 psi (1205 kPa) for 14 and 16 in. sizes	

PIPE HANGERS

Pipe hangers are used to support a sprinkler piping system from the building structure. Two or more listed components may be required to form a complete hanger. The specific components required depend upon the type of building construction and the pipe size.

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65	1/2	Clevis Hanger	2 1/2 through 4
69	3/8	Adjustable Swivel Ring Hanger	3/4 through 2
69	3/8	"	2 1/2, 3, 4
69	1/2	"	5 through 8
69E	10	"	3/4 through 4
	12	"	5 through 8
86	3/8	C-Clamp with C.P. Set Screw and Locknut	3/4 through 4
87	3/8	C-Clamp with C. P. Retaining Clip	3/4 through 4
88*	3/8	C-Clamp with C. P. Set Screw	3/4 through 4

*Limited to steel beams which are tilted so hanger cannot slide.

<i>Product Designation</i>	<i>Hanger Rod Size, in. NC</i>	<i>Component Description</i>	<i>For Nominal Pipe Sizes, in.</i>
92 and 92E	3/8#	Beam C-Clamp Standard Throat	3/4 through 4
92	1/2	"	5 through 8
93	3/8	Beam C-Clamp Wide Throat	3/4 through 4
93	1/2	"	5 through 8
97	3/8	Adjustable Pipe Ring	3/4 through 2
97	1/2	"	2 1/2 through 3 1/2
97	5/8	"	4, 5
97	3/4	"	6
97	7/8	"	8
110R	3/8	Threaded Sockets (Rod Attachment)	3/4 through 4
110R	1/2	"	5 through 8
134	1/2	I-Beam Clamp	5 through 8
134	5/8	"	10, 12
136	3/8	Rod Coupling	3/4 through 4
136	1/2	"	5 through 8
153	3/8	Pipe Hanger Flange	3/4 through 4
153	1/2	"	5 through 8
157	3/8	Extension Piece	3/4 through 4
157	1/2	Extension Piece	5 through 8
194	3/8	Light Welded Steel Bracket	3/4 through 4
194	1/2	"	5 through 8

<i>Product Designation</i>	<i>Hanger Rod Size, in. NC</i>	<i>Component Description</i>	<i>For Nominal Pipe Sizes, in.</i>
202	3/8	Side Beam Bracket †	3/4 through 4
202	1/2	Side Beam Bracket ‡	5 through 8
206	3/8	Steel Side Beam Bracket ‡	3/4 through 4
206	1/2	"	5 through 8
207	3/8	Side Beam Bracket ‡	3/4 through 4
212	3/8	Wrought Pipe Clamp	3/4 through 2
212	1/2	"	2 1/2 through 3 1/2
212	5/8	"	4, 5
212	3/4	"	6
212	7/8	"	8
218	3/8	I-Beam Clamp with Fig. 157 Extension Piece	3/4 through 4
227	3/8	Top Beam Clamp	3/4 through 4
260	3/8	Clevis Hanger	3/4 through 2
260	1/2	"	2 1/2 through 3 1/2
260	5/8	"	4, 5
260	3/4	"	6
260	7/8	"	8

†Approved for use on steel or wood beam.

‡Approved for use on steel beam only.

#These hanger components are also FM Approved when threaded for use with the nearest equivalent standard metric size hanger rod.

Concrete Inserts

Concrete inserts provide anchorage to concrete building structures for supporting pipe hangers. Concrete inserts must be installed when the building is constructed.

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Fig. 152. $\frac{3}{8}$, $\frac{1}{2}$, $\frac{5}{8}$, $\frac{3}{4}$, $\frac{7}{8}$ in. (10, 13, 16, 19, 22 mm) rods.

Fig. 281. $\frac{3}{4}$ through 8 in. NPS (19 through 203 mm).

Fig. 282. $\frac{3}{4}$ through 8 in. NPS (19 through 203 mm).

Fig. 285. $\frac{3}{4}$ through 5 in. NPS (19 through 127 mm).

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<i>Product Designation</i>	<i>Min Length, in. (mm)</i>	<i>Max Length, in. (mm)</i>
1/2 in. NPT Outlet*		
M1.150	4 ¹ / ₈ (105)	5 ¹ / ₈ (131)
M3.150	6 ¹ / ₈ (156)	9 ¹ / ₈ (232)
F1.150	3 ¹ / ₂ (89)	4 ¹ / ₂ (114)
F2.150	4 ¹ / ₂ (114)	6 ¹ / ₂ (165)
F3.150	5 ¹ / ₂ (140)	8 ¹ / ₂ (216)
ME3.150	7 ⁷ / ₈ (200)	10 ⁷ / ₈ (276)
3/4 in. NPT Outlet*		
M3.175	8.0 (203)	11.0 (280)
F1.175	3 ¹ / ₄ (83)	4 ¹ / ₄ (108)
F3.175	5 ¹ / ₄ (133)	8 ¹ / ₄ (210)
F3.175R	7.35 (187)	10.35 (263)

*These fittings have a 300 psi (2070 kPa) rated working pressure.

FIXED SPRINKLER FITTINGS

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<i>Product Designation</i>	<i>Fixed Lengths in in.</i>	<i>Adjustment</i>
1/2 in. NPT Outlet* MLX.3-.150	8, 12, 18, 24, 30, 36	3 in.
3/4 in. NPT Outlet* MLX.3-.175	8, 12, 18, 24, 30, 36	3 in.
1/2 in. NPT Outlet* LN-.150	6, 12, 18, 24, 30, 36	
3/4 in. NPT Outlet* LN-.175	6, 12, 18, 24, 30, 36	

*These fittings have a 300 psi (2070 kPa) rated working pressure.

These fittings are available with an optional escutcheon plate which can be positioned anywhere on the lower three inches of the fitting, to fit up to a clearance hole in the suspended ceiling. The escutcheon plate is not designed for use with a specific sprinkler, and is not to be fitted to any sprinkler body.

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<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
B-1000	Forged Reducer	1×½
B-1004	Forged Reducer	1×¾
B-1001	Steel Reducer	1×½, ¾
B-1005	Forged End Cap	1

The above fittings have a 500 psi (3445 kPa) rated working pressure.

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Nominal Pipe Size, in.</i>
Eliminator II		
A-922-1	Cast Reducer	1×½
A-922-2	Cast Reducer	1×¾

The above fittings have a 300 psi (2070 kPa) rated working pressure.

Product Designation	Fitting Description	Notes	Nominal Outlet Size, in.	Nominal Run Pipe Size, in.
Merit "Weld-Miser" Tee-Let Type A	NPT Weldable Branch Outlet Fitting	a, b, c, d, e, f, g, h	1/2	1 1/4 through 8
		::	3/4	1 1/4 through 8
		"	1	1 1/4 through 8
		"	1 1/4	1 1/2 through 8
		"	1 1/2	2 through 8
		"	2	2 1/2 through 8
		"	2 1/2	3 through 8
"	3	4 through 8		
"	4	5 through 8		

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 300 psi (2070 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit "Weld-Miser" Tee-Let Type A	NPT Weldable Branch Outlet Fitting	j	1/2	1 1/4 through 2
		"	3/4	1 1/4 thru 2
		"	1	1 1/4 through 2
		"	1 1/4 1/2	1 1/2 through 22

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 175 psi (1205 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit Tee-Let Type C	Grooved Branch Outlet Fitting	a, b, c, d, e, f, g, h	1	1 1/4 thru 8
		a, b, c, d, e, f, g, h	1 1/4	1 1/2 thru 8
		a, b, c, d, e, f, g, h	1 1/2	2 thru 8
		a, b, d, g, h	2	2 1/2 thru 8
		a, b, d, g, h	2 1/2	3 thru 8
		a, b, d, g, h	76.1 mm	88.9, 114.3, 139.7, 141.3, 168.3, 219.1 mm
		a, b, d, g, h	3	4 thru 8
		a, b, g, h	4	5, 6, 8
		a, b, g, h	139.7 mm	168.3, 219.1 mm
		a, b, g, h	5	6, 8
a, b	6	8		

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 300 psi (2070 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit Tee-Let Type C	Grooved Branch Outlet Fitting	j	1	1 1/4-1 1/2, 2
		"	1 1/4	1 1/2, 2
		"	1 1/2	2

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 175 psi (1205 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit Tee-Let Type C/R	Roll Grooved Weldable Branch Outlet Fitting	a, b, c, d, e, f, g, h	1 1/4	1 1/2 through 8
		"	1 1/2	2 through 8
		"	2	2 1/2 through 8
		"	2 1/2	3 through 8
		"	3	4, 5, 6, 8
		"	4	5, 6, 8
"	5	6, 8		
"	6	8		

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 300 psi (2070 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit Tee-Let Type C/R	Roll Grooved Weldable Branch Outlet Fitting	j	1 1/4	1 1/2, 2
		"	1 1/2	2

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 175 psi (1205 kPa). For use with pipes as noted above, in sizes as appropriate.

Merit Tee-Let Type RW	NPT Weldable Branch Outlet Fitting	a, b, c, d, e, f, g, h	1/2	1 1/4 through 8
		"	3/4	1 1/4 through 8
		"	1	1 1/4 through 8
		"	1 1/4	1 1/2 through 8
		"	1 1/2	2 through 8
"	2	2 1/2 through 8		

<i>Product Designation</i>	<i>Fitting Description</i>	<i>Notes</i>	<i>Nominal Outlet Size, in.</i>	<i>Nominal Run Pipe Size, in.</i>
Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 300 psi (2070 kPa). For use with pipes as noted above, in sizes as appropriate.				
Merit Tee-Let Type RW	NPT Weldable Branch Outlet Fitting	j	1/2	1/4 through 2
		"	3/4	1/4 through 2
		"	1	1/4 through 2
		"	1 1/4	1 1/2, 2
		"	1 1/2	2

Branch connections for attachment to pipe by welding. Requires precutting of hole on pipe and removal of coupon. Rated working pressure 175 psi (1205 kPa). For use with pipes as noted above, in sizes as appropriate.

Notes:

- a. For use with Sch. 10 and 40 pipe.
- b. For use with Allied "XL" in sizes: 1, 1 1/4, 1 1/2, 2, 2 1/2 and 3 in. NPS, "BLT" in sizes: 1, 1 1/4, 1 1/2 and 2 in. NPS, "Dyna-flow" in sizes: 1 1/4, 1 1/2, 2, 2 1/2, 3, 4, 6 and 8 in. NPS, "Super-flo" pipe in sizes: 1, 1 1/4, 1 1/2, 2, 2 1/2, 3 and 4 in. NPS.
- c. For use with Welded Tube – Berkeley LLC "Steady-flow" pipe in sizes: 1 1/4, 1 1/2 and 2 in. NPS.
- d. For use with Bull Moose Tube "EDDY-flow" pipe in sizes: 1 1/4, 1 1/2, 2, 2 1/2, 3 and 4 in. NPS.
- e. For use with IDOD Systems "Gal-flo" and "Gal-7" pipe in sizes: 1 1/4, 1 1/2 and 2 in. NPS.
- f. For use with Youngstown Tube "Fire-flo" pipe in sizes: 1 1/2 and 2 in. NPS.
- g. For use with Northwest "EZ-flow" pipe in sizes: 3 and 4 in. NPS (300 psi), and 6 in. NPS (175 psi only).
- h. For use with Tex-Tube "Tex-flow" pipe in sizes: 2 1/2, 3, 4 and 6 in. NPS.
- j. For use with Sch. 5 pipe at 175 psi (1205 kPa) in sizes: 1, 1 1/4, 1 1/2, and 2 in. NPS