

**Grinnell Grooved Fire Protection Products**

**Fire Protection  
Submittal Sheet**

**Listing and Approval  
Information**

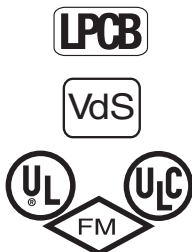

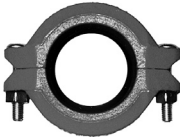







Figure	Nominal Size Inches	Nominal Size mm	Pipe Schedule	Rated Pressure (psi-UL,ULC,FM; Bar LPCB and VdS)				
				UL	ULC	FM	VdS	LPCB
 <p>Figure 772 Patented</p>	1/4, 1/2, 2	42.4, 48.3, 60.3	Sch 5, ID, UE, WST	175	175	175	-	-
	1/4	42.4	Sch 10, Sch 40	300	300	300	-	-
	1/2, 2, 2 1/2, 3, 4	48.3, 60.3, 73.0, 88.9, 114.3	Sch 10, Sch 40	500	500	500	-	-
	5, 6	141.3, 168.3	Sch 10	300	300	300	-	-
	8	219.1	Sch 10	400	400	400	-	-
	5	141.3	Sch 40	300	300	300	-	-
	6	168.3	Sch 40	400	400	400	-	-
	8	219.1	Sch 40	450	450	450	-	-
	10, 12	273.0, 323.9	Sch 10, Sch 40	250	250	250	-	-
	1/4, 1/2, 2, 2 1/2, 3	42.4, 48.3, 60.3, 73.0, 88.9	MF	300	300	300	-	-
	4	114.3	EZ, MF	250	250	300	-	-
	3	88.9	EZ	300	300	300	-	-
	6	168.3	EZ	250	250	300	-	-
	1/2, 2, 2 1/2, 3, 4	48.3, 60.3, 73.0, 88.9, 114.3	DF, STF	300	300	300	-	-
	1/4, 1/2, 2, 2 1/2, 3	42.4, 48.3, 60.3, 73.0, 88.9	FLF	300	300	-	-	-
	4	114.3	FLF	250	250	-	-	-
	1/2, 2, 2 1/2, 3	48.3, 60.3, 73.0, 88.9	FF	300	300	300	-	-
	4	114.3	FF	250	250	300	-	-
	1/4, 1/2, 2	42.4, 48.3, 60.3	EZT, MT, MLT, WLS	300	300	300	-	-
	1/4, 1 1/2, 2	42.4, 48.3, 60.3	GL, Gal 7, Gal Flo	300	300	300	-	-
	1 1/2, 2	48.3, 60.3	BLT, DT	300	300	300	-	-
	1 1/2, 2	48.3, 60.3	TL, XL	300	300	-	-	-
		76.1, 165.1	BS1387	300	300	300	-	-
	42.4, 48.3, 60.3, 76.1, 88.9, 114.3	BS1387, ISO 4200	-	-	-	16	20	
	139.7	BS1387, ISO 4200	-	-	-	16	-	
	165.1	BS1387, ISO 4200	-	-	-	-	20	
	168.3, 219.1, 273.0, 323.9	ISO 4200	-	-	-	16	20	
 <p>Figure 716</p>	2 x 1 1/2, 2 1/2 x 2, 3 x 2	60.3 x 48.3, 73.0 x 60.3, 88.9 x 60.3	Sch 5	175	175	175	-	-
	3 x 2 1/2, 4 x 2, 4 x 2 1/2	88.9 x 73.0, 114.3 x 60.3, 114.3 x 73.0	Sch 5	175	175	175	-	-
	2 x 1 1/2, 2 1/2 x 2, 3 x 2	60.3 x 48.3, 73.0 x 60.3, 88.9 x 60.3	Sch 10, Sch 40	350	350	350	-	-
	3 x 2 1/2, 4 x 2, 4 x 2 1/2	88.9 x 73.0, 114.3 x 60.3, 114.3 x 73.0	Sch 10, Sch 40	350	350	350	-	-
	4 x 3, 5 x 4	114.3 x 88.9, 141.3, 114.3	Sch 10, Sch 40	350	350	300	-	-
	6 x 4, 6 x 5	168.3 x 114.3 x 1638.3 x 141.3	Sch 10, Sch 40	350	350	300	-	-
	8 x 6	219.1 x 168.3	Sch 40	350	350	300	-	-
	2 x 1 1/2, 2 1/2 x 2, 3 x 2	60.3 x 48.3, 73.0 x 60.3, 88.9 x 60.3	DF, EZT, FF, GL, MF	300	300	300	-	-
	2 x 1 1/2, 2 1/2 x 2, 3 x 2	60.3 x 48.3, 73.0 x 60.3, 88.9 x 60.3	MT, MLT, SF, STF, TL	300	300	300	-	-
	4 x 2	114.3 x 60.3	DF, EZT, FF, GL, MF	300	300	300	-	-
	4 x 2	114.3 x 60.3	MT, MLT, SF, STF, TL	300	300	300	-	-
	3 x 2 1/2, 4 x 2 1/2, 4 x 3	88.9 x 73.0, 114.3 x 73.0, 114.3 x 88.9	DF, MF, SF	300	300	300	-	-
	4 x 2 1/2, 4 x 3	114.3 x 73.0, 114.3 x 88.9	FF, STF	300	300	300	-	-
	5 x 4, 6 x 4	141.3 x 114.3, 168.3 x 114.3	DF, FF, SF, STF	300	300	300	-	-
	3 x 2, 3 x 2 1/2	88.9 x 60.3, 88.9 x 73.0	EZ	300	300	300	-	-
	2 x 1 1/2	60.3 x 48.3	Gal 7, Gal Flo	300	300	300	-	-
		60.3 x 48.3, 73.0 x 60.3, 88.9 x 60.3	BS1387, ISO 4200	300	-	300	16	20
		88.9 x 76.1, 114.3 x 60.3, 114.3 x 76.1	BS1387, ISO 4200	300	-	300	16	20
		114.3 x 88.9	BS1387, ISO 4200	300	-	300	16	20
		168.3 x 114.3, 219.1 x 168.3	ISO 4200	300	-	300	16	20
	139.7 x 114.3	BS1387, ISO 4200	300	-	300	16	-	
	165.1 x 114.3	BS1387, ISO 4200	300	-	300	-	20	
 <p>Figure 40-5•</p>	1/4, 1/2, 2 x 1/2, 3/4, 1	42.4, 48.3, 60.3 x 21.3, 26.7, 33.7	Sch 5, Sch 10, Sch 40	175	175	175	-	-
	1/4, 1/2, 2 x 1/2, 3/4, 1	42.4, 48.3, 60.3 x 21.3, 26.7, 33.7	BLT, DF, DT, GL, LS, MF	175	175	175	-	-
	1/4, 1/2, 2 x 1/2, 3/4, 1	42.4, 48.3, 60.3 x 21.3, 26.7, 33.7	MT, MLT, TL, WLS, XL	175	175	175	-	-
	1/4, 1/2, 2 x 1/2, 3/4, 1	42.4, 48.3, 60.3 x 21.3, 26.7, 33.7	Gal 7, Gal Flo	175	175	175	-	-
	1/4, 1 1/2 x 1/2, 3/4, 1	42.4, 48.3 x 21.3, 26.7, 33.7	EZT	175	175	175	-	-
	1 1/2 x 1/2, 3/4, 1	48.3 x 21.3, 26.7, 33.7	FF	175	175	175	-	-
	2 1/2 x 1/2, 3/4, 1	73.0 x 21.3, 26.7, 33.7	Sch 10, Sch 40	175	175	175	-	-
	2 1/2 x 1/2, 3/4, 1	73.0 x 21.3, 26.7, 33.7	DF, MF, STF, XL	175	175	175	-	-
	1 1/2, 2 x 1/2, 3/4, 1	48.3, 60.3 x 21.3, 26.7, 33.7	STF	175	175	175	-	-

- Figure 40-5 Straps are UL and ULC Listed and FM Approved with NPT and ISO threaded outlets as specified in the chart.

Figure	Nominal Size Inches	Nominal Size mm	Pipe Schedule	Rated Pressure (psi-UL, ULC and FM; bar LPCB and VdS)				
				UL	ULC	FM	VdS	LPCB
 <p>Figure 730 Threaded*†</p>	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	Sch 5	175	175	175	-	-
	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	Sch 10, Sch 40	300	300	300	-	-
	2 1/2 x 1/2, 3/4, 1, 1 1/4, 1 1/2, 2	73.0 x 21.3, 26.7, 33.7, 42.4, 48.3, 60.3	Sch 10, Sch 40	300	300	300	-	-
	3, 4 x 1/2, 3/4, 1	88.9, 114.3 x 21.3, 26.7, 33.7	Sch 10, Sch 40	300	300	300	-	-
	4 x 2 1/2, 4 x 3	114.3 x 73.0, 4 x 88.9	Sch 10, Sch 40	300	300	300	-	-
	5 x 2, 5 x 2 1/2	141.3 x 60.3, 141.3 x 73.0	Sch 10, Sch 40	300	300	300	-	-
	6 x 1 1/2, 2, 2 1/2, 3, 4	168.3 x 48.3, 60.3, 73.0, 88.9, 114.3	Sch 10, Sch 40	300	300	300	-	-
	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	BLT, DT, EZT, FF, GL, MF	300	300	300	-	-
	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	MT, MLT, STF, TL, WLS	300	300	300	-	-
	2 x 1/2, 3/4, 1, 1 1/4, 1 1/2	60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	Gal 7, Gal Flo	300	300	300	-	-
	2 x 1/2, 3/4, 1	60.3 x 21.3, 26.7, 33.7	DF	300	300	300	-	-
	2 1/2, 3, 4 x 1/2, 3/4, 1	73.0, 88.9, 114.3 x 21.3, 26.7, 33.7	DF, FF, MF, STF	300	300	300	-	-
	2 x 1 1/4, 1 1/2	60.3 x 42.4, 48.3	DF	300	300	300	-	-
	3, 4 x 2	88.9, 114.3 x 60.3	DF, FF, MF, STF	300	300	300	-	-
	4 x 2 1/2	114.3 x 73.0	DF, FF, MF, STF	300	300	300	-	-
	4 x 3	114.3 x 88.9	FF, MF, STF	300	300	300	-	-
		76.1 x 21.3, 26.7, 33.7	BS1387, ISO 4200	300	-	300	16	20
		139.7 x 48.3, 88.9	BS1387, ISO 4200	300	-	300	16	20
		165.1 x 42.4	BS1387, ISO 4200	300	-	300	16	20
		60.3 x 21.3, 26.7, 33.7, 42.4, 48.3	BS1387, ISO 4200	-	-	-	16	20
		76.1 x 42.4, 48.3, 60.3	BS1387, ISO 4200	-	-	-	16	20
		88.9 x 21.3, 26.7, 33.7, 42.4, 48.3, 60.3	BS1387, ISO 4200	-	-	-	16	20
		114.3 x 21.3, 26.7, 33.7, 42.4	BS1387, ISO 4200	-	-	-	16	20
		114.3 x 48.3, 76.1, 88.9	BS1387, ISO 4200	-	-	-	16	20
		165.1 x 48.3, 60.3, 76.1, 88.9, 114.3	BS1387, ISO 4200	-	-	-	-	20
		139.7 x 60.3, 76.1	BS1387, ISO 4200	-	-	-	16	-
	168.3 x 48.3, 60.3, 73.0	ISO 4200	-	-	-	16	20	
	168.3, 219.1 x 76.1, 88.9, 114.3	ISO 4200	-	-	-	16	20	
 <p>Figure 730 Grooved**†</p>	2 x 1 1/2	60.3 x 48.3	Sch 5	175	175	175	-	-
	2, 2 1/2, 3, 4, 5, 6 x 1 1/2	60.3, 73.0, 88.9, 114.3, 141.3, 168.3 x 48.3	Sch 10, Sch 40	300	300	300	-	-
	3, 4, 5 x 2, 2 1/2	88.9, 114.3, 141.3 x 60.3, 73.0	Sch 10, Sch 40	300	300	300	-	-
	4 x 3, 5 x 3	114.3 x 88.9, 141.3 x 88.9	Sch 10, Sch 40	300	300	300	-	-
	6 x 2 1/2, 3, 4	168.3 x 48.3, 73.0, 88.9, 114.3	Sch 10, Sch 40	250	250	250	-	-
	8 x 2 1/2, 3, 4	219.1 x 73.0, 88.9, 114.3	Sch 10, Sch 40	300	300	300	-	-
	2, 2 1/2, 3, 4 x 1 1/2	60.3, 73.0, 88.9, 114.3 x 48.3	DF	300	300	300	-	-
	3, 4 x 2	88.9, 114.3 x 60.3	DF	300	300	300	-	-
	2 x 1 1/2	60.3 x 48.3	BLT, TL	300	300	300	-	-
	3 x 1 1/2	88.9 x 48.3	EZ	300	300	300	-	-
		139.7 x 48.3, 88.9	BS1387, ISO 4200	300	-	300	16	20
		165.1 x 42.4, 48.3, 60.3, 76.1	BS1387, ISO 4200	300	-	300	16	20
		60.3 x 42.4, 48.3	BS1387, ISO 4200	-	-	-	16	20
		76.1 x 42.4, 48.3, 60.3	BS1387, ISO 4200	-	-	-	16	20
		88.9 x 42.4, 48.3, 60.3	BS1387, ISO 4200	-	-	-	16	20
		114.3 x 42.4, 48.3, 60.3, 76.1, 88.9	BS1387, ISO 4200	-	-	-	16	20
		165.1 x 48.3, 60.3, 76.1, 88.9, 114.3	BS1387, ISO 4200	-	-	-	-	20
		139.7 x 60.3, 76.1	BS1387, ISO 4200	-	-	-	16	-
		168.3 x 48.3, 60.3, 73.0	ISO 4200	-	-	-	16	20
		168.3, 219.1 x 76.1, 88.9, 114.3	ISO 4200	-	-	-	-	16

\* Figure 730 Threaded Mechanical Outlets are UL and ULC Listed and FM Approved in both the Tee and Cross configuration with NPT and ISO threaded outlets as specified in the chart.

\*\* Figure 730 Grooved Mechanical Outlets are UL and ULC Listed and FM Approved in both the Tee and Cross configuration.

† Figure 730 Threaded and Grooved Mechanical Outlets are VdS Approved in the Tee configuration only.

Grinnell® products are UL and ULC Listed and FM, LPCB and VdS Approved, as specified in the charts, for the pressure ratings shown for use in Fire Protection Systems (automatic sprinkler, open sprinkler and standpipe) and connections to such systems. The charts were developed from the latest Listings and Approval data available at the time of publication. Listings are subject to changes and additions by the approval bodies. For Dry Pipe systems or Freezer Systems, use Tri-Seal Gaskets and petroleum free silicone lubricant. Follow installation instructions provided in the Installation Handbook IH-1000.

Figure	Nominal Size Inches	Nominal Size mm	Pipe Schedule	Rated Pressure (psi-UL,ULC,FM; Bar LPCB and VdS)				
				UL	UC	FM	VdS	LPCB
	1-1/4, 1-1/2, 2	42.4, 48.3, 60.3	FLF, MF, XL, GL, 10, 40, CT, DF, TL, WLS, MT, MLT	300	300	300		
	2-1/2, 3, 4	73.0, 88.9, 114.3	FLF, MF, DF	300	300	300		
	2-1/2, 3	73.0, 88.9	FF, XL	300	300	300		
	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 6, 8	42.4, 48.3, 60.3, 73.0, 88.9, 114.3, 168.3, 219.1	10	300	300	300		
	1-1/4, 1-1/2, 2, 2-1/2, 3, 4, 6	42.4, 48.3, 60.3, 73.0, 88.9, 114.3, 168.3	40	300	300	300		
	1, 1-1/4, 1-1/2, 2	33.7, 42.4, 48.3, 60.3	5	175	175	175		
	3, 4, 6	88.9, 114.3, 168.3	EZF	300	300	300		
	1 1/4	42.4	EZT	300	300	300		
	1-1/2, 2	48.3, 60.3	EZT, FF	300	300	300		
	1-1/2, 2, 2-1/2, 3, 4	48.3, 60.3, 73.0, 88.9, 114.3	STF	300	300	300		
	4	114.3	STF	250	250	250		
	8	219.1	0.188 in. wall	300	300	300		
	1	33.7	10, 40, XL, TL, DF, BLT, DL, DT, MT, WLS, WST, GL, MLT, EZT, ET, EL, 5, BS1387M, ISO 4200	300	300	300		
	5	141.3	10	300	300	300		
	5	141.3	40	300	300	300		
		76.1mm, 165mm	BS1387M, ISO 4200	300		300		
		139.7mm	ISO 4200	300		300		
	1, 1-1/4, 1-1/2, 2, 3, 4	33.7, 42.4, 48.3, 60.3, 88.9, 114.3	BS1387M, ISO 4200					20 bar
		76.1, 165.1	BS1387M, ISO 4200					20 bar
	6, 8	168.3, 219.1	ISO 4200					20 bar
1, 1-1/4, 1-1/2, 2, 3, 4, 6, 8	33.7, 42.4, 48.3, 60.3, 88.9, 114.3, 168.3, 219.1	ISO 4200				16 bar		
	76.1, 139.7	ISO 4200				16 bar		

Figure 577

## Pipe Schedule Key

**STF** - Steady Flow Listed/Approved steel sprinkler pipe manufactured by AMS Tube Corp.

**BLT** - Black Light Wall Threadable Listed/Approved steel sprinkler pipe manufactured by Allied Tube and Conduit.

**DF** - Dyna-Flow Listed/Approved steel sprinkler pipe manufactured by Allied Tube and Conduit.

**DT** - Dyna-Thread Listed/Approved steel sprinkler pipe manufactured by Allied Tube and Conduit.

**SF** - Super-Flow Listed/Approved steel sprinkler pipe manufactured by Allied Tube and Conduit.

**XL** - Extra Light Weight Listed/Approved steel sprinkler pipe manufactured by Allied Tube and Conduit.

**UE** - Ultra-Eddy Listed/Approved steel sprinkler pipe manufactured by Bull Moose Tube Company.

**TL** - TL Listed/Approved steel sprinkler pipe manufactured by Central Grooved Piping Products.

**LS** - Listed/Approved steel sprinkler pipe manufactured by Century Tube Corporation.

**ID** - IDOD Listed/Approved steel sprinkler pipe manufactured by IDOD Systems.

**GAL-FLO** - Listed/Approved steel sprinkler pipe manufactured by IDOD Systems.

**GAL-7** - Listed/Approved steel sprinkler pipe manufactured by IDOD Systems.

**EZ** - EZ-Flow Listed/Approved steel sprinkler pipe manufactured by Northwest Pipe and Casting Company.

**FLF** - Fire Line Flow Listed/Approved steel sprinkler pipe manufactured by Western International Forest Products.

**MF** - Mega Flow Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**MLT** - Mega Light Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**MT** - Mega Thread Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**SL** - Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**WLS** - WLS Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**WST** - WST Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**GL** - GL Listed/Approved steel sprinkler pipe manufactured by Wheatland Tube Company.

**EZT** - EZ Thread Listed/Approved steel sprinkler pipe manufactured by Youngstown Tube Company.

**FF** - Fire-Flo Listed/Approved steel sprinkler pipe manufactured by Youngstown Tube Company.

**5** - Schedule 5 steel sprinkler pipe

**10** - Schedule 10 steel sprinkler pipe

**20** - Schedule 20 steel sprinkler pipe

**30** - Schedule 30 steel sprinkler pipe

**40** - Schedule 40 steel sprinkler pipe

**BS1387m** - British Standard Medium Listed/Approved steel sprinkler tube.

**ISO4200** - ISO Standard Listed/Approved steel sprinkler tube.

**JIS G3452** - Japanese International Standard

**Note:** Cut and roll grooved references are for pipe runs and also grooved outlets.

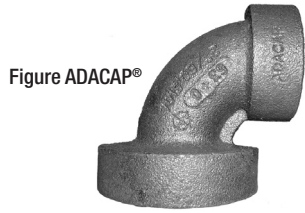


Figure	Nominal Size Inches	Nominal Size mm	Rated Pressure (psi-UL,ULC,FM; Bar LPCB and VdS)				
			UL	ULC	FM	VdS	LPCB
ADACAP®*	1 1/2 x 1/2, 3/4, 1	42.4 x 21.3, 26.7, 33.7	300	300	300	-	-
	2 x 1/2, 3/4, 1	48.3 x 21.3, 26.7, 33.7	300	300	300	-	-
	2 1/2 x 1/2, 3/4, 1	60.3 x 21.3, 26.7, 33.7	300	300	300	-	-
Figure 201	1	33.7	500	500	500	-	-
	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	500	500	500	16	20
	6, 8	168.3, 219.1	500	500	500	16	20
	10	273.0	450	450	450	16	20
	12	323.9	450	450	400	16	20
	2 1/2, 5	73.0, 141.3	500	500	500	-	-
		76.1	500	-	500	16	20
		165.1	500	-	500	-	20
		139.7	500	-	500	16	-
		108.0, 133.0, 159.0, 216.3	300	-	300	-	-
Figure 210	1	33.7	500	500	500	-	-
	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	500	500	500	16	20
	6, 8	168.3, 219.1	500	500	500	16	20
	10	273.0	450	450	450	16	20
	12	323.9	450	450	400	16	20
	2 1/2, 5	73.0, 141.3	500	500	500	-	-
		76.1	500	-	500	16	20
		165.1	500	-	500	-	20
		139.7	500	-	500	16	-
		108.0, 133.0, 159.0, 216.3	300	-	300	-	-
Figure 219	1	33.7	500	500	500	-	-
	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	500	500	500	16	20
	6, 8	168.3, 219.1	500	500	500	16	20
	10	273.0	450	450	450	16	20
	12	323.9	450	450	400	16	20
	2 1/2, 5	73.0, 141.3	500	500	500	-	-
		76.1	500	-	500	16	20
		165.1	500	-	500	-	20
		139.7	500	-	500	16	-
		108.0, 133.0, 159.0, 216.3	300	-	300	-	-
Figure 260	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	500	500	500	16	20
	6, 8	168.3, 219.1	500	500	500	16	20
	10	273.0	450	450	450	16	20
	12	323.9	450	450	400	16	20
	2 1/2, 5	73.0, 141.3	500	500	500	-	-
		76.1	500	-	500	16	20
		165.1	500	-	500	-	20
	139.7	500	-	500	16	-	
Figure 250	1 1/2, x 1, 2 x 1	48.3 x 33.7, 60.3 x 33.7	500	500	500	16	-
	2 x 1 1/4, 2 x 1 1/2	60.3 x 42.4, 60.3 x 48.3	500	500	500	16	20
	2 1/2 x 2, 3 x 2 1/2, 4 x 2 1/2	73.0 x 60.3, 88.9 x 73.0, 114.3 x 73.0	500	500	500	16	20
	4 x 2, 6 x 2	114.3 x 60.3, 168.3 x 60.3	500	500	500	16	-
	3 x 2, 4 x 3, 6 x 4	88.9 x 60.3, 114.3 x 88.9, 168.3 x 114.3	500	500	500	16	20
	5 x 4, 6 x 5	141.3 x 114.3, 168.3 x 141.3	500	500	500	-	-
		76.1 x 48.3, 76.1 x 60.3	500	500	500	16	20
		88.9 x 76.1, 114.3 x 76.1	500	500	500	16	20
		139.7 x 88.9, 139.7 x 114.3	500	500	500	16	-
		165.1 x 114.3	500	500	500	-	20
	168.3 x 76.1, 168.3 x 139.7	500	500	500	16	-	
	165.1 x 88.9, 165.1 x 139.7	500	-	500	-	-	

\* ADACAPs are UL and ULC Listed and FM Approved with NPT and ISO threaded outlets.



Figure 501  
45° Elbow



Figure 510  
90° Elbow



Figure 519  
Tee



Figure 501S  
45° Elbow



Figure 510S  
90° Elbow



Figure 519S  
Tee



Figure 510DE  
Drain Elbow



Figure	Nominal Size Inches	Nominal Size mm	Rated Pressure (psi-UL,ULC,FM; Bar LPCB and VdS)				
			UL	ULC	FM	VdS	LPCB
Figure 501	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	300	300	300	16	20
	6, 8	168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 510	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	300	300	300	16	20
	6, 8	168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 519	1 1/4, 1 1/2, 2, 3, 4	42.4, 48.3, 60.3, 88.9, 114.3	300	300	300	16	20
	6, 8	168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 501S	2, 3, 4, 6, 8	60.3, 88.9, 114.3, 168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 510S	2, 3, 4, 6, 8	60.3, 88.9, 114.3, 168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 519S	2, 3, 4, 6, 8	60.3, 88.9, 114.3, 168.3, 219.1	300	300	300	16	20
	2 1/2, 5	73.0, 141.3	300	300	300	-	-
		76.1	300	300	300	16	20
		139.7	300	300	300	16	-
		165.1	300	300	300	-	20
Figure 510DE	2 1/2, 3, 4, 5	73.0, 88.9, 114.3, 141.3	300	300	300	-	-
	6, 8	168.3, 219.1	300	300	300	-	-

# Fabricated Fittings

Figure	Nominal Size Inches	Rated Pressure (psi)	
		UL	FM
Figure 391 Groove x Male Threaded Adapter Nipples	1, 1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 392 Groove x Groove Adapter Nipples	1, 1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 393 Groove x Bevel Adapter Nipples	1, 1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 312 22½° Elbow	1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 313 11¼° Elbow	1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300

Figure	Nominal Size Inches	Rated Pressure (psi)	
		UL	FM
Figure 321 Reducing Tee	1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 327 Cross	1, 1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 341 Groove Flange Adapter 150 lbs.	1, 1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300
Figure 350 Concentric Groove x Groove Reducer	1¼, 1½	300	300
	2, 2½	300	300
	3, 4, 5	300	300
	6, 8	300	300
	10, 12	300	300

**General Notes:** It is the Designer's responsibility to select products suitable for the intended service and to ensure that pressure ratings and performance data is not exceeded. Always read and understand the installation instructions (IH-1000). Never remove any piping component or correct or modify any piping deficiencies without first depressurizing and draining the system. Material and gasket selection should be verified to be compatible for the specific application.



Certified Company