



MATERIAL DATA

FIRST BAPTIST CHURCH OF CLERMONT

2751 HARTWOOD MARSH ROAD

CLERMONT, FL. 34711

TITAN FIRE SYSTEMS

395 S RANGE ROAD, UNIT B

COCOA, FL. 32926

LICENSE FPC17-000154



MATERIAL DATA TABLE OF CONTEENCE

- I. SPRINKLER PIPING
 - WHEATLAND TUBE SCHEDULE 10 & SCHEDULE 40
- II. FITTINGS
 - VICTAULIC FIRE LOCK GROOVE
 - VICTAULIC COUPLINGS
 - ANVIL INTERNATIONAL THREADED FITTINGS
- III. HANGER MATERIALS
 - ANVIL INTERNATIONAL ADJUSTABLE RINGS
 - ANVIL INTERNATIONAL ALL THREAD ROD
 - ANVIL INTERNATIONAL BEAM CLAMPS
- IV. SPRINKLER HEADS
 - VIKING VK534- PENDENT SPRINKLER, WHITE, 11.2K, 155D
 - VIKING VK532- UPRIGHT SPRINKLER, BRASS, 11.2K, 155D
 - VIKING VK300- UPRIGHT SPRINKLER, BRASS, 5.6K, 200D
- V. VALVES
 - VICTAULIC BUTTERFLY VALVE- SERIES 705
 - VICTAULIC CHECK VALVE- SERIES 717
 - POTTER WATER FLOW SWITCH
 - AGF TEST AND DRAIN W/ PRESSURE RELIEF
 - WILKINS 350 BACKFLOW PREVENTOR
- VI. EXTRAS
 - POTTER ELECTRIC BELLS
 - HILTI FIRE STOP
 - FPPI SPARE HEAD BOX
 - FPPI DATA SIGNS

Schedule 10 and Schedule 40



High quality, high performance

Wheatland's Schedule 10 and Schedule 40 steel fire sprinkler pipe are subjected to the toughest possible testing to ensure the highest possible quality – not to mention reliable, long-lasting performance.

TECHNICAL DATA CHART

NPS	NOM ID	WT./FT. LBS.	WT./FT. H ₂ O FILLED	PCS./LIFT	WT./LIFT 21'	WT./LIFT 24'	WT./LIFT 25'
1¼	1.442	1.807	2.514	61	2315	2645	2756
1½	1.682	2.087	3.049	61	2673	3055	3183
2	2.157	2.640	4.222	37	2051	2344	2442
2½	2.635	3.534	5.895	30	2226	2544	2651
3	3.260	4.336	7.949	19	1730	1977	2060
4	4.260	5.619	11.789	19	2242	2562	2669
5	5.295	7.780	17.309	13	2124	2427	2529
6	6.357	9.298	23.038	10	1953	2232	2325
8	8.249	16.96	40.086	7	2493	2849	2968

Proprietary mill coating ensures clean, corrosion-resistant surface

Outperforms and outlasts standard lacquer-coated pipe

Easily painted, without special preparation

Available with hot-dip galvanizing

Also available in black

WEIGHTS AND DIMENSIONS CHART

NOMINAL SIZE	OD	SCHEDULE 40		
		Wall Inches	Wt. lbs./ft.	Wt./Ft. H ₂ O Filled
1	1.315	.133	1.68	2.055
1¼	1.660	.140	2.27	2.922
1½	1.900	.145	2.72	3.602
2	2.375	.154	3.66	5.109
2½	2.875	.203	5.80	7.871
3	3.500	.216	7.58	10.783
3½	4.000	.226	9.12	—
4	4.500	.237	10.80	16.311
5	5.563	.258	14.63	23.262
6	6.625	.280	18.99	31.498

SCHEDULE 10 SPECIFICATIONS

NPS	NOM OD		NOM ID		NOMINAL WALL		NOMINAL WEIGHT		UL CRR*	PIECES Lift
	in.	mm	in.	mm	in.	mm	lbs./ft.	kg/m		
1¼	1.660	42.2	1.442	36.6	.109	2.77	1.81	2.69	7.3	61
1½	1.900	48.3	1.682	42.7	.109	2.77	2.09	3.11	5.8	61
2	2.375	60.3	2.157	54.8	.109	2.77	2.64	3.93	4.7	37
2½	2.875	73.0	2.635	66.9	.120	3.05	3.53	5.26	3.5	30
3	3.500	88.9	3.260	82.8	.120	3.05	4.34	6.46	2.6	19
4	4.500	114.3	4.260	108.2	.120	3.05	5.62	8.37	1.6	19
5	5.563	141.3	5.295	134.5	.134	3.40	7.78	11.58	1.5	13
6	6.625	168.3	6.357	161.5	.134	3.40	9.30	13.85	1.0	10
8	8.625	219.1	8.249	209.5	.188	4.78	16.96	25.26	2.1	7

* Calculated using Standard UL CRR formula, UL Fire Protection Directory, Category VIZY.

* The CRR is a ratio value used to measure the ability of a pipe to withstand corrosion. Threaded Schedule 40 steel pipe is used as the benchmark (value of 1.0).

SCHEDULE 40 SPECIFICATIONS

NPS	NOM OD		NOM ID		NOMINAL WALL		NOMINAL WEIGHT		UL CRR*	PIECES Lift
	in.	mm	in.	mm	in.	mm	lbs./ft.	kg/m		
1	1.315	33.4	1.049	26.6	.133	3.38	1.68	2.50	1.00	70
1¼	1.660	42.2	1.380	35.1	.140	3.56	2.27	3.39	1.00	51
1½	1.900	48.3	1.610	40.9	.145	3.68	2.72	4.05	1.00	44
2	2.375	60.3	2.067	52.5	.154	3.91	3.66	5.45	1.00	30

* Calculated using Standard UL CRR formula, UL Fire Protection Directory, Category VIZY.

* The CRR is a ratio value used to measure the ability of a pipe to withstand corrosion. Threaded Schedule 40 steel pipe is used as the benchmark (value of 1.0).

Schedule 10 and Schedule 40 Meet or Exceed These Standards:

- UL, C-UL and FM Listed
- ASTM A53, Type E, Grade B (Schedule 40 5–6)
- FM Approved
- ASTM A795, Type E, Grade A (Schedule 40)
- ASTM A135, Type E, Grade A (Schedule 10)
- NFPA 13

FireLock® Fittings



FireLock® products comprise a unique system specifically designed for fire protection services. FireLock full-flow elbows and tees feature CAD-developed, hydrodynamic design, affording a shorter center-to-end dimension than standard fittings. A noticeable bulge allows the water to make a smoother turn to maintain similar flow characteristics as standard full flow fittings.

FireLock fittings are designed for use exclusively with Victaulic IPS-sized couplings that have been Listed or Approved for Fire Protection Services. Use of other couplings or flange adapters may result in bolt pad interference.

Victaulic FireLock fittings pressure ratings conform to the ratings of Victaulic FireLock EZ® Style 009N/Style 009H couplings.



MATERIAL SPECIFICATIONS

Fitting: Ductile iron conforming to ASTM A-536, grade 65-45-12.

Fitting Coating:

- Orange enamel.
- Red Enamel in EMEA-I.
- **Optional:** Hot dipped galvanized.

JOB/OWNER

System No. _____
 Location _____

CONTRACTOR

Submitted By _____
 Date _____

ENGINEER

Spec Sect _____ Para _____
 Approved _____
 Date _____

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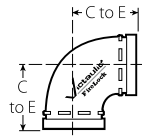
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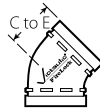


FireLock® Fittings

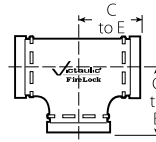
DIMENSIONS



NO. 001



NO. 003



NO. 002



NO. 006

Size		No. 001 90° Elbow		No. 003 45° Elbow		No. 002 Straight Tee		No. 006 Cap	
Nominal Size Inches mm	Actual Outside Diameter Inches mm	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	C to E Inches mm	Approx. Weight Each Lbs. kg	Thickness "T" Inches mm	Approx. Weight Each Lbs. kg
1 ¼ 32	1.660 42.4	—	—	—	—	—	—	0.8 21	0.3 0.1
1 ½ 40	1.900 48.3	—	—	—	—	—	—	0.82 21	0.4 0.2
2 50	2.375 60.3	2.75 70	1.7 0.8	2.00 51	1.8 0.8	2.75 70	2.4 1.1	0.88 22	0.6 0.3
2 ½ 65	2.875 73.0	3.00 76	3.1 1.4	2.25 57	2.2 1.0	3.00 76	3.6 1.6	0.88 22	1.0 0.5
76.1 mm	3.000 76.1	3.00 76	3.30 1.5	2.25 57	2.4 1.1	—	—	—	—
3 80	3.500 88.9	3.38 86	4.0 1.8	2.50 64	3.1 1.4	3.38 86	5.3 2.4	0.88 22	1.2 0.5
108 mm	4.250 108.0	4.00 102	5.7 2.6	3.00 76	5.1 2.3	4.00 102	7.5 3.4	—	—
4 100	4.500 114.3	4.00 102	6.7 3.0	3.00 76	5.6 2.5	4.00 102	8.7 3.9	1.00 25	2.4 1.1
5 125	5.563 141.3	4.88 124	12.6 5.7	3.25 83	8.3 3.8	4.88 124	15.7 7.1	1.00 25	4.1 1.9
159 mm	6.250 158.8	5.50 140	12.6 5.7	3.50 89	9.2 4.2	5.50 140	17.9 8.0	—	—
6 150	6.625 168.3	5.50 140	18.3 8.3	3.50 89	11.7 5.3	5.50 140	22.7 10.3	1.00 25	5.9 2.7
8 200	8.625 219.1	6.81 173	25.5 11.6	4.25 108	20.4 9.3	6.94 176	38.7 17.6	1.13 29	12.7 5.8

FireLock® Fittings

GENERAL NOTES

NOTE: When assembling FireLock EZ couplings onto end caps, take additional care to make certain the end cap is fully seated against the gasket end stop. For FireLock EZ Style 009N/009H couplings, use FireLock No. 006 end caps containing the "EZ" marking on the inside face or No. 60 end caps containing the "QV EZ" marking on the inside face. Non-Victaulic end cap products shall not be used with Style 009/009V/009H couplings.

WARRANTY

Refer to the Warranty section of the current Price List or contact Victaulic for details.

NOTE

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

For complete contact information, visit www.victaulic.com

10.03 1539 REV K UPDATED 09/2012

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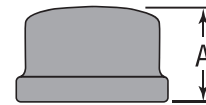


Ductile Iron

Submittal Sheet



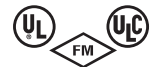
CAPS					
Nominal Size	Anvil Item Number	Universal Number	Max. Working Pressure	Dimensions A	Approx. Wt. Each
<i>In. (mm)</i>			<i>PSI (kPa)</i>	<i>In. (mm)</i>	<i>Lbs. (kg)</i>
1 25	840005615	DCP003	500 3450	1.16 29.46	0.32 0.15
1¼ 32	840005623	DCP004	500 3450	1.28 32.51	0.43 0.20
1½ 40	840005631	DCP005	500 3450	1.33 33.78	0.60 0.27
2 50	840005649	DCP006	500 3450	1.45 36.83	0.91 0.41



MATERIAL SPECIFICATIONS

Ductile iron threaded fittings are UL & ULC Listed & Factory Mutual Approved for 500 psi service. Ductile iron per ASTM A536 Class 65-45-12.

Dimensions conform to ASME B16.3 Class 150. Threads are NPT per ANSI/ASME B1.20.1.



APPROVED
For Listing / Approval details contact your AnvilStar™ Representative.

NOTICE: Ductile iron fittings have higher tensile strength than that of steel pipe. Therefore, over tightening can cause damage to pipe threads which may cause leakage. Ductile iron fittings should be tightened three turns beyond hand tight, but no more than four turns.

PROJECT INFORMATION:

APPROVAL STAMP:

Project:		
Date:	Phone:	
Architect / Engineer:		
Contractor:		
Address:		
Notes 1:		
Notes 2:		

