



**BLT**<sup>®</sup>

# XL®/BLT®

## Galvanized and Black Lightwall Threadable Pipe

*The original “Galvanized” and “Black” Threadable Lightwall pipes with exceptional hydraulics and economy.*

XL®/BLT®’s proven hydraulic advantage and lighter weight adds value to any system. When you need a proven sprinkler pipe, specify XL/BLT.

XL/BLT pipe are an exceptionally strong steel sprinkler pipe of the class generally known as “lightwall threadable pipe”. Its wall thickness is less than that of Sch-40 or Sch-10, but the cold forming process undergone in manufacturing gives XL/BLT pipe mechanical strength characteristics equivalent to those required for Sch-40. It is designed for use in wet, dry, preaction and deluge systems. XL/BLT can be joined with threaded couplings (when in accordance with ANSI B1.20.1), roll grooved or plain-end couplings, or welded joints.

XL/BLT products have metallurgical properties which provide excellent fabrication characteristics for end prep finishes, welding and roll grooving. No special process or equipment are needed for fabrication and installation.

**XL is manufactured with galvanized coating.**

**BLT is black lacquer coated.**

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.5000” in diameter is coated with our new Antibacterial Formula, “ABF”. In scientific laboratory test, ABS proved to have superior resistance to microbial colonization of pipe walls, thereby delaying or possibly preventing the onset of Microbiologically Influenced corrosion (MIC) when the First Sprinkler System is first installed.

Specifications							
NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	Pcs/	Wt/Lift (21')	Wt/Lift (24')	Wt/Lift (25')
In; mm	In; mm	Lbs/Ft; Kg/m	Lbs/Ft; Kg/m	Lift	Lbs; Kg	Lbs; Kg	Lbs; Kg
1"	1.104	1.13	1.61	91	2,333	2,667	2,570
25	28.0	1.8	2.40	91	1,060	1,211	1,228
1¼"	1.452	1.46	2.25	61	2,019	2,307	2,226
32	36.9	2.3	3.35	61	917	1,048	1,058
1½"	1.687	1.76	2.84	61	2,409	2,753	2,684
40	42.8	2.8	4.23	61	1,094	1,250	1,294
2"	2.154	2.35	4.06	37	1,959	2,239	2,173
50	54.7	3.7	6.04	37	890	1,017	1,041
2½"*	2.581	4.08	6.34	30	2,571	2,939	3,060
65	65.5	6.05	9.45	30	1,168	1,335	1,390
3"*	3.200	5.01	8.49	19	1,999	2,285	2,380
80	81.2	7.43	12.7	19	908	1,038	1,081

\* XL only

XL/BLT pipe is manufactured to meet ASTM A-135, Grade A for fire sprinkler applications up to 300 psi working pressure.



Listed



Approved



Listed

It is UL listed for wet, dry, preaction and deluge systems, and FM approved for wet sprinkler systems. XL/BLT is ULC listed for wet, dry and preaction systems. All threaded and welded fittings are approved in accordance with NFPA 13.

FM requires 12' maximum hanger spacing for XL/BLT. C-Factors for XL/BLT are 120 for wet systems, and C=100 for dry systems. Refer to Hazen-Williams charts for accurate flow comparisons.

XL/BLT pipe offers the maximum hydraulic advantage of any available threadable sprinkler pipe. Its inside diameter is up to 5% larger than Sch-40. The use of XL/BLT in conjunction with Dyna-Flow pipe, can dramatically improve the flow characteristics, thereby increasing the potential for “downsizing” system components.

The clean surface quality of XL/BLT is readily paintable. The lighter weight of XL/BLT is a distinct advantage for retro-fit installations and can also reduce labor costs.

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WARRANTY  
**EXTENDED**  
UP TO 5 YEARS OR  
25 FEET/10M  
PROTECTION

**DYNA-FLOW®**

# Dyna-Flow®

## High Strength Steel Pipe

**The original high-strength lightwall sprinkler pipe with hydraulics superior to Schedule-10.**

Dyna-Flow pipe is the “original” high-strength lightwall sprinkler pipe. Dyna-Flow has outstanding hydraulic capabilities and is recognized as the most popular alternative to Schedule-10 pipe. Lightweight, easy to cut and easy to handle for installation. Dyna-Flow is a valuable addition to any fire protection system.

### Superior Hydraulics

With an inside diameter of up to 11% larger than Schedule-40 and up to 7% larger than Schedule-10, Dyna-Flow pipe hydraulics are exceptional. Larger I.D.s enable Dyna-Flow, and related components, to be down-sized within the system, thus increasing the potential for job cost savings. For complete Hazen-Williams charts, refer to “Dyna-Flow Hydraulic Data Tables.”

Specifications							
NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	Pcs/	Wt/Lift (21')	Wt/Lift (24')	Wt/Lift (25')
In; mm	In; mm	Lbs/Ft; Kg/m	Lbs/Ft; Kg/m	Lift	Lbs; Kg	Lbs; Kg	Lbs; Kg
1"	1.191	0.830	1.31	91	1,586	1,812	1,888
25	30.3	1.2	1.95	91	719	822	856
1¼"	1.536	1.059	1.87	61	1,356	1,550	1,615
32	39.0	1.6	2.78	61	615	703	733
1½"	1.728	1.667	2.71	61	2,135	2,440	2,542
40	43.9	2.5	4.03	61	968	1107	1153
2"	2.203	2.104	3.79	37	1,634	1,868	1,946
50	56.0	3.1	5.64	37	741	847	883
2½"	2.703	2.564	5.10	30	1,615	1,846	1,923
65	68.7	3.8	7.59	30	733	837	872
3"	3.314	3.387	7.18	19	1,351	1,544	1,608
80	84.2	5.0	10.69	19	613	700	729
4"	4.310	4.473	10.86	19	1,784	2,039	2,124
90	109.5	6.7	16.16	19	809	925	963

### Coatings & Fabrication

Dyna-Flow products are coated with an environmentally approved and specially formulated modified-acrylic or water-based coating. This durable coating is paintable. The black coating acts as an excellent primer and is resistant to weathering and U.V. degradation from outdoor storage.

Metallurgical properties provide excellent fabrication characteristics for end prep finishes, welding and roll grooving. There is no special process or equipment needed for fabrication and installation.

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.5000" in diameter is coated with our new Antibacterial Formula, “ABF”. In scientific laboratory test, ABS proved to have superior resistance to microbial colonization of pipe walls, thereby delaying or possibly preventing the onset of Microbiologically Influenced corrosion (MIC) when the First Sprinkler System is first installed.

### Specifications & Approvals

Dyna-Flow/Super Flo pipe is manufactured to meet ASTM A-795 Type E, Grade A and is in compliance with NFPA-13 and NFPA-14. All sizes of Dyna Flow/Super Flo are UL Listed, FM Approved and ULC Listed.



Listed



Approved



Listed

Dyna-Flow/Super Flo is UL/ULC Listed for use with roll grooved, plain-end couplings, and welded joints for wet, dry, preaction and deluge systems. It is FM Approved for roll grooved, plain-end, and welded joints for wet systems. Refer to appropriate documentation for up-to-date listing and approval information. Dyna-Flow/Super Flo is now available “hot-dip” galvanized and has been specifically approved by FM for dry systems uses.

### Additional Benefits

- Lightweight and easy to install, resulting in more efficient use of your freight and labor dollars.
- Provides stability needed to comply with standard hanger spacing (15 ft O.C.) per NFPA.
- Available in Standard lengths for your convenience, or can be ordered in custom lengths upon approval.
- Fast cutting and welding, as well as easy roll grooving and end preparation.
- Available in Factory roll grooved form for quicker shop turnaround.
- Clean, durable mill coating provides longer “shelf life” and acts as an excellent primer for custom paint applications.

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**DYNA THREAD®**

# Dyna-Thread®

## Full Line Sch-40 Replacement

**Dyna-Thread® offers the life expectancy of Sch-40 with superior hydraulics and greater value.**

Dyna-Thread sprinkler pipe represents an engineering advancement for the sprinkler pipe industry. It combines the safety and longevity of traditional Sch-40 pipe with quality and superior hydraulic advantages.

### Comparison to Schedule 40

- Dyna-Thread's inside diameter is up to 3.6% larger than Sch-40 giving it superior hydraulics. And, when used in combination with Dyna-Flow pipe, down sizing often occurs.
- Dyna-Thread is fully listed and approved by UL, ULC, and FM for fire sprinkler applications.
- The life expectancy of Dyna-Thread and Sch-40 are equal based on the calculated wall thicknesses per UL.
- The consistent quality of steel used to make Dyna-Thread facilitates smooth threading and lower maintenance costs.
- The exterior of Dyna-Thread is protected by a clean, durable mill coating for extended shelf life and easy paint application.

- With its increased strength and lighter weight, Dyna-Thread reduces installation fatigue and is ideal for retro-fit applications.

Corrosion Resistance Ratio (CRR) is a UL (Underwriters Laboratory) term for the estimated life expectancy of a pipe joint. This is based on the calculated wall thickness at the base of the first exposed thread, assumed to be the weakest point of the pipe length. Dyna-Thread and Sch-40 have the same calculated wall thicknesses at this point and are both assigned the same CRR of 1.00.

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.5000" in diameter is coated with our new Antibacterial Formula, "ABF". In scientific laboratory test, ABS proved to have superior resistance to microbial colonization of pipe walls, thereby delaying or possibly preventing the onset of Microbiologically Influenced corrosion (MIC) when the First Sprinkler System is first installed.



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### Comparison to L.W.T. Pipes

- More wall thickness at the thread (CRR=1.00) gives Dyna-Thread better life expectancy than lightwall threadable pipe joints.
- Unlike lightwall threadable pipe, Dyna-Thread has no thread gauge warning.
- Dyna-Thread is approved for standard hanger spacing (15 ft. O.C.), can be used as earthquake sway bracing, and is safe to use as drops.
- Dyna-Thread is safer to weld on.
- Dyna-Thread is more widely accepted than lightwall threadable where Sch-40 is specified.

### Specifications & Approvals

Super 40/Dyna-Thread pipe is manufactured to meet: ASTM A-135, Grade A and is in compliance with NFPA-13. All sizes of Super 40/Dyna-Thread are rated at 300 psi working pressure. Super 40/Dyna-Thread is UL and ULC Listed for wet, dry deluge and pre-action sprinkler systems and FM Approved for use in wet systems. Super 40/Dyna-Thread can be "hot-dip" galvanized to meet FM requirement for dry systems. Super 40/Dyna-Thread is approved for all threaded couplings and welded outlets and is suitable for all roll-grooved, and plain-end fittings. (See listing information).

### Specifications

NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	Pcs/	Wt/Lift (21')	Wt/Lift (24')	Wt/Lift (25')
In; mm	In; mm	Lbs/Ft; Kg/m	Lbs/Ft; Kg/m	Lift	Lbs; Kg	Lbs; Kg	Lbs; Kg
1"	1.080	1.330	1.75	70	1955	2234	2327
25	27.4	2.0	2.60	70	887	1013	1056
1¼"	1.408	1.870	2.54	51	2002	2288	2384
32	35.8	2.8	3.78	51	908	1038	1081
1½"	1.639	2.290	3.22	44	2115	2418	2519
40	41.6	3.4	4.79	44	959	1097	1143
2"	2.104	3.050	4.57	30	1921	2196	2287
50	53.4	4.5	6.80	30	871	996	1037



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# SCHEDULE-10/40

# Schedule-10®/Schedule-40®

## Fully Listed and FM Approved Sprinkler Pipe

When you specify Schedule-10/Schedule-40 sprinkler pipe you get a UL listed and FM approved product. Although these products do not require separate approvals, Schedule-10/Schedule-40 gives you the extra quality assurance you demand. Our Sch-10 (1¼"– 8") pipe and Sch-40 (1"– 2½") pipe have passed the same thorough lab testing as our other listed pipe products, and receive periodic mill inspections from both UL and FM agents to ensure consistent quality.

### Galvanized Pipe

Schedule-10/Schedule-40 product can be "hot-dip" galvanized to meet FM requirements for dry systems in accordance with the zinc coating specifications of ASTM A-123.

### Superior Coating

Our advanced formula mill coating offers a clean, durable surface. It is also paint-ready for custom color applications without special preparation.

The internal surface of all black Allied Tube & Conduit Fire Sprinkler pipe products up to 4.5000" in diameter is coated with our new Antibacterial Formula, "ABF". In scientific laboratory test, ABS proved to have superior resistance to microbial colonization of pipe walls, thereby delaying or possibly preventing the onset of Microbiologically Influenced corrosion (MIC) when the First Sprinkler System is first installed.

### American Made

Meets "Buy American" requirement and is available through distributors in the USA, Canada and Mexico.

### Specifications & Approvals

Schedule-10/Schedule-40 pipe are in compliance with the following:

ASTM A-135, and NFPA 13. Both pipe products have a working pressure rating of 300 psi maximum and also meet the stringent requirement for the following tests:

- Welded Outlets
- Hydrostatic Pressure
- Side Wall Rupture
- Vibration Test

### Sch-40 Specifications

NPS In; mm	Nominal I.D. In; mm	Wt. Lbs/Ft; Kg/m	Wt. (H2O Filled) Lbs/Ft; Kg/m	Pcs/ Lift	Wt/Lift (21') Lbs; Kg	Wt/Lift (24') Lbs; Kg	Wt/Lift (25') Lbs; Kg
1" 25	1.049 26.6	1.680 2.5	2.05 3.05	70 70	2,470 1,120	2,822 1,280	2,940 1,334
1¼" 32	1.380 35.1	2.270 4.36	2.93 4.36	51 51	2,431 1,103	2,778 1,260	2,894 1,313
1½" 40	1.610 40.9	2.720 4.0	3.61 5.37	44 44	2,513 1,140	2,872 1,303	2,992 1,357
2" 50	2.067 52.5	3.650 5.4	5.13 7.63	30 30	2,300 1,043	2,628 1,192	2,738 1,242
2½" 65	2.469 62.7	5.790 8.6	7.86 11.73	19 19	2,310 1,048	2,640 1,197	2,750 1,247

### Sch-10 Specifications

NPS In; mm	Nominal I.D. In; mm	Wt. Lbs/Ft; Kg/m	Wt. (H2O Filled) Lbs/Ft; Kg/m	Pcs/ Lift	Wt/Lift (21') Lbs; Kg	Wt/Lift (24') Lbs; Kg	Wt/Lift (25') Lbs; Kg
1" 25	1.097 27.9	1.400 2.1	1.81 2.70	91 91	2,675 1,213	3,053 1,385	3,185 1,445
1¼" 32	1.442 36.6	1.810 2.7	2.52 3.75	61 61	2,319 1,052	2,664 1,208	2,760 1,252
1½" 40	1.682 42.7	2.080 3.1	3.04 4.52	61 61	2,664 1,208	3,045 1,381	3,172 1,439
2" 50	2.157 54.8	2.640 3.9	4.22 6.28	37 37	2,051 930	2,344 1,063	2,442 1,108
2½" 65	2.635 66.9	3.530 5.3	5.89 8.77	30 30	2,224 1,009	2,542 1,153	2,648 1,201
3" 80	3.260 82.8	4.330 6.4	7.94 11.82	19 19	1,728 784	1,975 896	2,057 933
4" 90	4.260 108.2	5.610 8.3	11.78 17.53	19 19	2,238 1,015	2,558 1,160	2,665 1,209
5" 125	5.295 134.5	7.77 11.56	17.33 25.80	10 10	1,632 740	1,865 846	1,943 881
6" 150	6.357 161.5	9.290 13.8	23.03 34.27	10 10	1,951 885	2,230 1,012	2,322 1,053
8" 200	8.249 209.5	16.490 24.5	40.15 59.75	7 7	2,424 1,100	2,770 1,256	2,885 1,309



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