

Dyna-Thread®

Submittal Data Sheet

Full Line Sch-40 Replacement

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-Threads inside diameter is up to 3.6% larger than Sch-40 giving it superior hydraulics. Also, when used in combination with Dyna-Flow pipe, down sizing often occurs. Dyna-Thread is fully listed and approved 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.

Comparison to L.W.T. Pipe More wall thickness at the thread (CRR=1.00) gives Dyna-Thread better life expectancy than lightwall threadable pipe joints. 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 than many zinc coated lightwall threadable pipe products. Dyna-Thread is more widely accepted than lightwall threadable where Sch-40 is specified.

American Made Able to meet "Buy American" requirements, and is available through distributors in the USA, Canada, Mexico and Latin America.

Specifications & Approvals Dyna-Thread pipe is manufactured to meet: ASTM A 135, Type E Grade A, and is in compliance with NFPA-13. All sizes of Dyna-Thread are rated at 300 psi working pressure. Dyna-Thread is UL and ULC Listed for wet, dry and pre-action sprinkler systems and FM Approved for use in wet systems. Dyna-Thread can be "hot-dip" galvanized* to meet FM requirement for dry systems. 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).

The internal surface of all black Fire Sprinkler pipe up to 4.5000" in diameter shall be coated with Allied Tube & Conduit Antibacterial Formula "ABF".

Dyna-Thread Specifications					
NPS	Nominal I.D.	Wt.	Wt. (H2O Filled)	CRR	CRR
In; mm	In; mm	Lbs/Ft; kg/m	Lbs/Ft; kg/m	Unthreaded	Threaded
1"	1.080	1.330	1.75	11.39	1.00
25	27.4	2.0	2.60	—	—
1¼"	1.408	1.870	2.54	9.50	1.00
32	35.8	2.8	3.78	—	—
1½"	1.639	2.290	3.22	9.14	1.00
40	41.6	3.4	4.79	—	—
2"	2.104	3.050	4.57	8.41	1.00
50	53.4	4.5	6.80	—	—



* Must be ordered in 10 bundle increments.

Project:	Sprinkler Contractor:	Date:
Engineer:	Specification Reference:	System Type:
Locations:	Comments:	



Customer Service (800) 882-5543 Fax: (800) 659-7730

• 16100 S Lathrop Ave.
Harvey, IL 60426

• 11350 Norcom Rd.
Philadelphia, PA 19154

• 2525 N 27th Ave.
Phoenix, AZ 85009

• 600 Dean Sievers Place
Morrisville, PA 19067

www.alliedtube-sprinkler.com