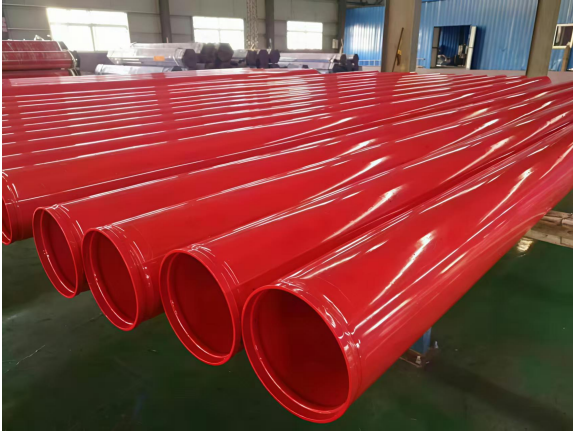


SPRINKLER STEEL PIPE

Sprinkler steel pipe is designed specifically for fire sprinkler systems, offering the strength and reliability needed in critical safety installations. Whether seamless or welded, each pipe is manufactured with close attention to detail to ensure it performs well under pressure. To protect against corrosion and extend service life, the pipe is usually treated with hot-dip galvanizing. It's commonly used in various types of fire suppression systems—such as wet, dry, pre-action, and deluge—across office buildings, factories, warehouses, and residential complexes. Compared to standard water pipes, sprinkler pipe is built with more consistent wall thickness, a chemistry optimized for easier welding, and guaranteed pressure ratings that meet the demands of fire protection.



- **Outside Diameter:** $\Phi 26.8\text{mm} - 273.1\text{mm}$ (3/4"-10")
- **Wall thickness:** 2.0mm - 8.0mm
- **End state:** Grooved, Plain end, screwed & socketed
- **Quality Standards:** ASTM A53/A53M, ASTM A795, ASTM A135

Specification

N.D.	O.D.	WALLTHICKNE SS	Tolerance+/-	TEST PRESSURE
Inch	mm	mm	Kg/m	mp
3/4	26.8	2.11	1.28	17.24
1	33.5	2.77	2.09	17.24
1-1/4	42.2	2.77	2.7	16.55
1-1/2	48.3	2.77	3.1	14.48
2	60.3	2.77	3.93	11.72
2-1/2	73	3.05	5.26	10.34
3	88.9	3.05	6.45	8.27
3-1/2	101.6	3.05	7.41	6.89
4	114.3	3.05	8.36	6.21
5	141.3	3.40	11.58	5.86
6	168.3	3.40	13.84	5.02
8	219	4.80	15.41	4.26

ASTM A135 (BLACK & GALVANISED) SCH10



N.D.	O.D.	WALLTHICKNESS	Tolerance+/-	TEST PRESSURE
Inch	mm	mm	Kg/m	mp
1/2	21.3	2.77	1.27	17.20
3/4	26.8	2.87	1.68	17.20
1	33.5	3.38	2.50	17.20
1-1/4	42.2	3.56	3.38	17.20
1-1/2	48.3	3.68	4.05	17.20
2	60.3	3.91	5.43	16.08
1-1/2	73	5.16	8.62	17.20
3	88.9	5.49	11.28	15.30
3-1/2	101.6	5.74	13.56	14.88
4	114.3	6.02	16.06	13.06
5	141.3	6.55	21.76	11.50
6	168.3	7.11	28.34	10.48
8	219.1	8.18	36.90	7.96

ASTM A135 (BLACK & GALVANISED) SCH40

N.D.		O.D.		SCH 10				SCH 30/40			
				WALLTHICKNESS		NOMINAL WEIGHT		WALLTHICKNESS		NOMINAL WEIGHT	
mm	inch	mm	inch	mm	inch	Kg/mtrs	Lbs/ft	mm	inch	Kg/mtrs	Lbs/ft
15	1/2	21.30	0.84	-	-	-	-	2.77	0.109	1.27	0.85
20	3/4	26.70	1.05	2.11	0.083	1.28	0.96	2.87	0.113	1.69	1.13
25	1	33.40	1.32	2.77	0.109	2.09	1.41	3.38	0.133	2.50	1.68
32	1-1/4	42.20	1.66	2.77	0.109	2.69	1.81	3.56	0.14	3.39	2.27
40	1-1/2	48.30	1.90	2.77	0.109	3.11	2.09	3.68	0.145	4.05	2.72
50	2	60.30	2.38	2.77	0.109	3.93	2.64	3.91	0.154	5.45	3.66
65	2-1/2	73.00	2.88	3.05	0.12	5.26	3.53	5.16	0.203	8.64	5.80
80	3	88.90	3.50	3.05	0.12	6.46	4.34	5.49	0.216	11.29	7.58
90	3-1/2	101.60	4.00	3.05	0.12	7.41	4.98	5.74	0.226	13.58	9.12
100	4	114.30	4.50	3.05	0.12	8.37	5.62	6.02	0.237	16.09	10.80
125	5	141.30	5.56	3.4	0.134	11.58	7.78	6.55	0.258	21.79	14.63
150	6	168.30	6.63	3.4	0.134	13.85	9.30	7.11	0.28	28.29	18.99
200	8	219.10	8.63	4.78	0.188	25.26	16.96	7.04	0.277	36.82	24.72
250	10	273.10	10.75	4.78	0.188	31.62	21.23	7.08	0.307	51.05	34.27

ASTM A795 (BLACK & GALVANISED)

Chemical Requirements of ASTM A795				
SI	C	Mn	P	S
Type E (electric-resistance-welded pipe) & Type S (seamless pipe)				
Open-hearth electric-furnace or basic-oxygen				
Grade A	0.25	0.95	0.035	0.035
Grade B	0.3	1.2	0.035	0.035

Chemical Requirements of ASTM A53/A53M							
Type E (electric-resistance-welded pipe) Composition, max %							
	C	Mn	P	S	Copper	Nickel	Chromium
Grade A	0.25	0.95	0.05	0.045	0.4	0.4	0.4
Grade B	0.3	1.2	0.05	0.048	0.4	0.4	0.4

Chemical Composition Requirements on Standard Fire Sprinkler Pipe