



### MATERIAL SPECIFICATION

- Type: ERW (Electric Resistance Welded).
- RAW Material: Hot Rolled Coil.
- Forming Method: Advance F-F-X Forming Techniques.
- Welding Method: High-Frequency Resistance Welding.
- Size: ½" – 8" .
- Temperature: -30° C – 80° C.
- Schedule: Sch 40.
- Normal Pressure: 0.1 Mpa – 8 Mpa.
- Connection: Beveled, Plain End.
- Weld integrity: 100 % tested.
- Approval: UL listed & FM Approved.

### PRODUCT DESCRIPTION

CHIEF FIRE ERW (Electric Resistance Welded) pipes are manufactured in compliance with ASTM A53/A106 Grade B Sch 40 standards and designed for use in fire protection, mechanical, and industrial applications.

Our UL Listed and FM Approved pipes provide exceptional durability, consistent wall thickness, and high weld integrity, ensuring safe and reliable performance for fire suppression and piping systems.

### APPLICATIONS

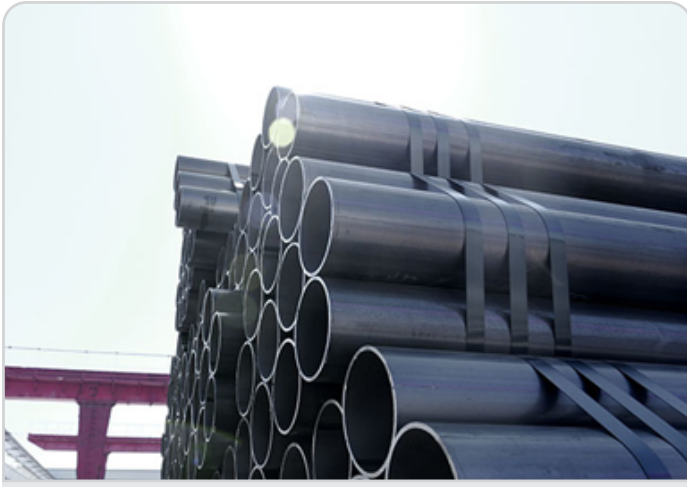
- Fire protection piping networks (sprinkler & hydrant systems)
- Mechanical & HVAC piping systems
- Water distribution lines.
- Industrial and construction piping.

### PRODUCT ADVANTAGES

- UL & FM approval ensures compliance with international fire protection standards.
- High weld strength and uniform wall thickness.
- Easy installation and compatibility with grooved / threaded fittings.
- Corrosion protection options: black, red epoxy, or galvanized finish.

### MODELS

- CF-WP-40B.
- CF-WP-40G (Galvanized Pipe).



**DIMENSIONAL RANGE – SCH 40**

ASTM A795 | ASTM A53



SCHEDULE	NOMINAL SIZE	OUTSIDE DIAMETER	WALL THICKNESS	MASS OF BLACK TUBE	TEST PRESSURE MATERIAL	
	(INCH)	(MM)	(MM)	PLAIN END (KG/M)	(PSI)	
Schedule 10	3/4"	26.7	2.11	1.28	700	700
	1"	33.4	2.77	2.09	700	700
	1-1/4"	42.2	2.77	2.69	1000	1000
	1-1/2"	48.3	2.77	3.11	1000	1000
	2"	60.3	2.77	3.93	1000	1000
	2 1/2"	73.0	3.05	5.26	1000	1000
	3"	88.9	3.05	6.45	1000	1000
	4"	114.3	3.05	8.37	1200	1200
	5"	141.3	3.40	11.58	1200	1200
	6"	168.3	3.40	13.85	1000	100
Schedule 40	8"	219.1	4.87	25.26	800	1000
	1/2"	21.3	2.77	1.27	700	700
	3/4"	26.7	2.87	1.69	700	700
	1"	33.4	3.38	2.5	700	700
	1-1/4"	42.2	3.56	3.39	1200	1300
	1-1/2"	48.3	3.68	4.05	1200	1300
	2"	60.3	3.91	5.44	2300	2500
	2 1/2"	73.0	5.16	8.63	2500	2500
	3"	88.9	5.49	11.29	2220	2500
	4"	114.3	6.02	16.07	1900	2210
	5"	141.3	6.55	21.77	1670	1950
	6"	168.3	7.11	28.26	1520	1780
	8"	219.1	8.18	42.55	1340	1570
	10"	273.1	9.27	12.7	12.7	15.09
12"	323.9	10.31	12.7	12.7	17.48	

**Note:**

Wall thickness tolerance is -12.5%.  
Average weight of hot-dipped Galv. Coating is 550g/m.  
Length tolerance +20mm/0.



ASTM A106

DN	NOMINAL SIZE	OUTSIDE DIAMETER	SCH40S	STD	SCH40	SCH80S	XS	SCH80
	(INCH)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)	(MM)
6	1/8	10.3	1.73	1.73	1.73	2.41	2.41	2.41
8	1/4	13.7	2.24	2.24	2.24	3.02	3.02	3.02
10	3/8	17.1	2.31	2.31	2.31	3.2	3.2	3.2
15	1/2	21.3	2.77	2.77	2.77	3.73	3.73	3.73
20	3/4	26.7	2.87	2.87	2.87	3.91	3.91	3.91
25	1	33.4	3.38	3.38	3.38	4.55	4.55	4.55
32	1-1/4	42.2	3.56	3.56	3.56	4.85	4.85	4.85
40	1-1/2	48.3	3.68	3.68	3.68	5.08	5.08	5.08
50	2	60.3	3.91	3.91	3.91	5.54	5.54	5.54
65	2-1/2	73	5.16	5.16	5.16	7.01	7.01	7.01
80	3	88.9	5.49	5.49	5.49	7.62	7.62	7.62
90	3-1/2	101.6	5.74	5.74	5.74	8.08	8.08	8.08
100	4	114.3	6.02	6.02	6.02	8.56	8.56	8.56
125	5	141.3	6.55	6.55	6.55	9.53	9.53	9.53
150	6	168.3	7.11	7.11	7.11	10.97	10.97	10.97
200	8	219.1	8.18	8.18	8.18	12.7	12.7	12.7
250	10	273.1	9.27	9.27	9.27	12.7	12.7	15.09

STANDARD SPECIFICATION

ASME B36.10M B36.19M