

ASTM A53 ERW Steel Pipes



Certification	ISO 9001
Standard	ASTM A53
Grade	Gr.B
Out Diameter (mm)	1/8" - 26" (DN6- DN650)
Wall Thickness (mm)	Sch10 - SchXXS
Length (m)	6M/ 12M or Customized
Ends	Plain/ Bevel/ Threaded/ Grooved
Usage	Water transfer pipes/ Oil pipes and Gas pipes
Surface	Bare/ Black/ Varnish/ Oiled/ Galvanized/ 3PE, etc

ASTM A53 ERW Steel Pipes Size

DN (mm)	NPS (Inch)	OD (mm)	Schedule												
			10	20	30	STD	40	60	XS	80	100	120	140	160	XXS
6	1/8	10.3							2.41	2.41					
8	1/4	13.7				2.24	2.24		3.02	3.02					
10	3/8	17.1				2.31	2.31		3.2	3.2					
15	1/2	21.3	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47
20	3/4	26.7	2.11		2.41	2.87	2.87		3.91	3.91				5.56	7.82
25	1	33.4	2.77		2.9	3.38	3.38		4.55	4.55				6.35	9.09
32	1 1/4	42.2				3.56	3.56		4.85	4.85				6.35	9.7
40	1 1/2	48.3	2.77		3.18	3.68	3.68		5.08	5.08				7.14	10.15
50	2	60.3	2.77		3.18	3.91	3.91		5.54	5.54				8.74	11.07
65	2 1/2	73				5.49	5.49		7.01	7.01				11.13	14.02
80	3	88.9	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24
90	3 1/2	101.6				5.74	5.74		8.08	8.08					
100	4	114.3	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12
125	5	141.3				6.55	6.55		9.53	9.53		12.7		15.88	19.05
150	6	168.3	3.4			7.11	7.11		10.97	10.97		14.27		18.26	21.95
200	8	219.1	3.76	6.35	7.04	8.18	8.18	10.31	12.7	12.7	15.09	18.26	20.62	23.01	22.23

250	10	273	4.19	6.35	7.8	9.27	9.27	12.7	12.7	15.09	18.26	21.44	25.4	28.58	25.4
300	12	323.8	4.57	6.35	8.38	9.53	10.31	14.27	12.7	17.48	21.44	25.4	28.58	33.32	25.4
350	14	355.6	6.35	7.92	9.53	9.53	11.13	15.09	12.7	19.05	23.83	27.79	31.75	35.71	
400	16	406.4	6.35	7.92	9.53	9.53	12.7	16.66	12.7	21.44	26.19	30.96	36.53	40.49	
450	18	457	6.35	7.92	11.13	9.53	14.27	19.05	12.7	23.83	29.36	34.93	39.67	45.24	
500	20	508	6.35	9.53	12.7	9.53	15.09	20.62	12.7	26.19	32.54	38.1	44.45	50.01	
550	22	559	6.35	9.53	12.7	9.53		22.23	12.7	28.58	34.93	41.28	47.63	53.98	
600	24	610	6.35	9.53	14.27	9.53	17.48	24.61	12.7	30.96	38.89	46.02	52.37	59.54	
650	26	660	7.92	12.7		9.53			12.7						

Chemical composition (%)

Grade	C	Si	Mn	P	S
Gr. B	≤0.30	-	≤1.2	≤0.05	≤0.045

Mechanical properties

Grade	Tensile strength (Mpa)	Yield strength (Mpa)	Longitudinal elongation (%)
Gr. B	≥415	≥240	≥19