

■ API 5CT 石油用 (油井套管和抽油管) 銲接碳鋼鋼管
ERW Carbon Steel Pipe for OCTG, Casing & Tubing

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Linear Mass	水壓檢測值 Hydrostatic Test Pressure MPa				
in	mm	in	mm	lb/ft	H40	J55	K55	N80-1	N80-Q
2%	60.32	0.167	4.24	4.00	31.0	42.5	-	62.0	62.0
		0.190	4.83	4.60	35.5	48.5	-	69.0	69.0
		0.254	6.45	5.80	-	-	-	69.0	69.0
		0.295	7.49	6.60	-	-	-	-	-
2%	73.02	0.217	5.51	6.40	33.5	46.0	-	66.5	66.5
		0.276	7.01	7.80	-	-	-	69.0	69.0
		0.308	7.82	8.60	-	-	-	69.0	69.0
		0.340	8.64	9.35	-	-	-	-	-
3%	88.90	0.216	5.49	7.70	37.5	37.5	-	54.5	54.5
		0.254	6.45	9.20	32.0	44.0	-	64.0	64.0
		0.289	7.34	10.20	36.5	50.0	-	69.0	69.0
		0.375	9.52	12.70	-	-	-	69.0	69.0
4%	114.30	0.271	6.88	12.60	26.5	36.5	-	53.0	53.0
		0.337	8.56	15.20	-	-	-	-	-
		0.380	9.65	17.00	-	-	-	-	-
		0.430	10.92	18.90	-	-	-	-	-
4%	114.30	0.205	5.21	9.50	20.0	27.5	27.5	-	-
		0.224	5.69	10.50	-	30.0	30.0	-	-
		0.250	6.35	11.60	-	33.5	33.5	49.0	49.0
		0.290	7.37	13.50	-	-	-	57.0	57.0
		0.337	8.56	15.10	-	-	-	-	-
5%	139.70	0.244	6.20	14.00	19.5	27.0	27.0	-	-
		0.275	6.98	15.50	-	30.5	30.5	-	-
		0.304	7.72	17.00	-	33.5	33.5	49.0	49.0
		0.361	9.17	20.00	-	-	-	58.0	58.0
		0.415	10.54	23.00	-	-	-	66.5	66.5
6%	168.28	0.288	7.32	20.00	19.0	26.5	26.5	-	-
		0.352	8.94	24.00	-	32.0	32.0	47.0	47.0
		0.417	10.59	28.00	-	-	-	55.5	55.5
		0.475	12.06	32.00	-	-	-	63.5	63.5
7	177.80	0.231	5.87	17.00	14.5	-	-	-	-
		0.272	6.91	20.00	17.0	23.5	23.5	-	-
		0.317	8.05	23.00	-	27.5	27.5	40.0	40.0
		0.362	9.19	26.00	-	31.5	31.5	45.5	45.5
		0.408	10.36	29.00	-	-	-	51.5	51.5
		0.453	11.51	32.00	-	-	-	57.0	57.0
		0.498	12.65	35.00	-	-	-	63.0	63.0
		0.540	13.72	38.00	-	-	-	68.0	68.0

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Linear Mass	水壓檢測值 Hydrostatic Test Pressure MPa				
in	mm	in	mm	lb/ft	H40	J55	K55	N80-1	N80-Q
8%	219.08	0.264	6.71	24.00	-	18.5	18.5	-	-
		0.304	7.72	28.00	15.5	-	-	-	-
		0.352	8.94	32.00	18.0	24.5	24.5	-	-
		0.400	10.16	36.00	-	28.0	28.0	41.0	41.0
		0.450	11.43	40.00	-	-	-	46.0	46.0
		0.500	12.70	44.00	-	-	-	51.0	51.0
9%	244.48	0.557	14.15	49.00	-	-	-	57.0	57.0
		0.312	7.92	32.30	14.5	-	-	-	-
		0.352	8.94	36.00	16.0	22.0	22.0	-	-
		0.395	10.03	40.00	-	25.0	25.0	36.0	36.0
		0.435	11.05	43.50	-	-	-	40.0	40.0
		0.472	11.99	47.00	-	-	-	43.5	43.5
10%	273.05	0.545	13.84	53.50	-	-	-	50.0	50.0
		0.595	15.11	58.40	-	-	-	54.5	54.5
		0.279	7.09	32.75	8.5	-	-	-	-
		0.350	8.89	40.50	11.0	15.0	15.0	-	-
		0.400	10.16	45.50	-	17.0	17.0	-	-
		0.450	11.43	51.00	-	19.0	19.0	37.0	37.0
13%	339.72	0.495	12.57	55.50	-	-	-	40.5	40.5
		0.545	13.84	60.70	-	-	-	-	-
		0.595	15.11	65.70	-	-	-	-	-
		0.330	8.38	48.00	8.0	-	-	-	-
		0.380	9.65	54.50	-	13.0	13.0	-	-
		0.430	10.92	61.00	-	14.5	14.5	-	-
16	406.40	0.480	12.19	68.00	-	16.5	16.5	31.5	31.5
		0.514	13.06	72.00	-	-	-	34.0	34.0
		0.375	9.53	65.00	8.0	-	-	-	-
		0.438	11.13	75.00	-	12.5	12.5	-	-
20	508.00	0.495	12.57	84.00	-	14.0	14.0	-	-
		0.438	11.13	94.00	7.5	10.0	10.0	-	-
		0.500	12.70	106.00	-	11.5	11.5	-	-
		0.635	16.13	133.00	-	14.5	14.5	-	-

Product Specification

■ API 5L 流氣體輸送用銲接碳鋼鋼管
ERW Carbon Steel Pipe for Line Pipe

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Unit Weight	水壓檢測值 Hydrostatic Test Pressure MPa									
in	mm	in	mm	lb/ft	A	B	X42	X46	X52	X56	X60	X65	X70	X80
2%	60.3	0.083	2.1	2.03	8.7	10.1	12.1	13.2	15.0	16.1	17.3	18.7	20.2	20.7
		0.109	2.8	2.64	11.5	13.4	16.2	17.7	20.0	20.7	20.7	20.7	20.7	20.7
		0.125	3.2	3.01	13.2	15.3	18.5	20.2	20.7	20.7	20.7	20.7	20.7	20.7
		0.141	3.6	3.37	14.8	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.154	3.9	3.66	16.1	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.172	4.4	4.05	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.188	4.8	4.40	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.218	5.5	5.03	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.250	6.4	5.68	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
2%	73.0	0.281	7.1	6.29	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.083	2.1	2.48	7.1	8.3	10.0	10.9	12.4	13.3	14.3	15.5	16.7	19.1
		0.109	2.8	3.22	9.5	11.1	13.3	14.6	16.5	17.8	19.1	20.6	20.7	20.7
		0.125	3.2	3.67	10.9	12.7	15.3	16.7	18.9	20.3	20.7	20.7	20.7	20.7
		0.141	3.6	4.12	12.2	14.3	17.2	18.8	20.7	20.7	20.7	20.7	20.7	20.7
		0.156	4.0	4.53	13.6	15.8	19.1	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.172	4.4	4.97	15.0	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.188	4.8	5.40	16.3	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.203	5.2	5.80	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
3½	88.9	0.216	5.5	6.14	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.250	6.4	7.02	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.276	7.0	7.67	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.083	2.1	3.03	5.9	6.8	8.2	9.0	10.2	10.9	11.7	12.7	13.7	15.6
		0.109	2.8	3.95	7.8	9.1	11.0	12.0	13.6	14.6	15.6	16.9	18.3	20.7
		0.125	3.2	4.51	8.9	10.4	12.5	13.7	15.5	16.7	17.9	19.4	20.7	20.7
		0.141	3.6	5.06	10.1	11.7	14.1	15.4	17.4	18.8	20.1	20.7	20.7	20.7
		0.156	4.0	5.58	11.2	13.0	15.7	17.1	19.4	20.7	20.7	20.7	20.7	20.7
		0.172	4.4	6.12	12.3	14.3	17.2	18.8	20.7	20.7	20.7	20.7	20.7	20.7
4½	114.3	0.188	4.8	6.66	13.4	15.6	18.8	20.5	20.7	20.7	20.7	20.7	20.7	20.7
		0.216	5.5	7.58	15.4	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.250	6.4	8.69	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.281	7.1	9.67	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.300	7.6	10.26	17.2	17.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.083	2.1	3.92	4.6	5.3	6.4	7.0	7.9	8.5	9.1	9.9	10.6	12.2
		0.125	3.2	5.85	7.0	8.1	9.7	10.6	12.1	13.0	13.9	15.1	16.2	18.5
		0.141	3.6	6.57	7.8	9.1	11.0	12.0	13.6	14.6	15.6	16.9	18.3	20.7
		0.156	4.0	7.24	8.7	10.1	12.2	13.3	15.1	16.2	17.4	18.8	20.3	20.7
		0.172	4.4	7.96	9.6	11.1	13.4	14.6	16.6	17.8	19.1	20.7	20.7	20.7
		0.188	4.8	8.67	10.4	12.1	14.6	16.0	18.1	19.5	20.7	20.7	20.7	20.7
		0.203	5.2	9.32	11.3	13.2	15.8	17.3	19.6	20.7	20.7	20.7	20.7	20.7
0.219	5.6	10.02	12.2	14.2	17.0	18.6	20.7	20.7	20.7	20.7	20.7	20.7		
0.237	6.0	10.80	13.0	15.2	18.3	20.0	20.7	20.7	20.7	20.7	20.7	20.7		
0.250	6.4	11.36	13.9	16.2	19.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7		
0.281	7.1	12.67	15.4	18.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7		
0.312	7.9	13.97	17.2	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7		
0.337	8.6	15.00	18.7	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7		

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Unit Weight	水壓檢測值 Hydrostatic Test Pressure MPa									
in	mm	in	mm	lb/ft	A	B	X42	X46	X52	X56	X60	X65	X70	X80
5%	141.3	0.125	3.2	7.27	5.6	6.5	7.9	8.6	20.7	10.5	11.3	12.2	13.1	15.0
		0.156	4.0	9.02	7.0	8.2	9.9	10.8	12.2	13.1	14.1	15.2	16.4	18.8
		0.188	4.8	10.80	8.4	9.8	11.8	12.9	14.6	15.7	16.9	18.3	19.7	20.7
		0.219	5.6	12.51	9.8	11.5	13.8	15.1	17.1	18.4	19.7	20.7	20.7	20.7
		0.258	6.6	14.63	11.6	13.5	16.3	17.8	20.7	20.7	20.7	20.7	20.7	20.7
		0.281	7.1	15.87	12.5	14.5	17.5	19.1	20.7	20.7	20.7	20.7	20.7	20.7
		0.312	7.9	17.51	13.9	16.2	19.5	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.344	8.7	19.19	15.3	17.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.375	9.5	20.80	16.7	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
0.500	12.7	27.06	19.3	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	
6%	168.3	0.125	3.2	8.69	4.7	5.5	8.3	9.0	10.2	11.0	11.8	12.8	13.8	15.7
		0.141	3.6	9.77	5.3	6.2	9.3	10.2	11.5	12.4	13.3	14.4	15.5	17.7
		0.156	4.0	10.79	5.9	6.9	10.3	11.3	12.8	13.8	14.8	16.0	17.2	19.7
		0.172	4.4	11.87	6.5	7.6	11.4	12.4	14.1	15.1	16.2	17.6	18.9	20.7
		0.188	4.8	12.94	7.1	8.2	12.4	13.6	15.4	16.5	17.7	19.2	20.7	20.7
		0.203	5.2	13.94	7.7	8.9	13.4	14.7	16.6	17.9	19.2	20.7	20.7	20.7
		0.219	5.6	15.00	8.3	9.6	14.5	15.8	17.9	19.3	20.7	20.7	20.7	20.7
		0.250	6.4	17.04	9.4	11.0	16.5	18.1	20.5	20.7	20.7	20.7	20.7	20.7
		0.280	7.1	18.99	10.5	12.2	18.4	20.1	20.7	20.7	20.7	20.7	20.7	20.7
		0.312	7.9	21.06	11.7	13.6	20.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.344	8.7	23.10	12.8	14.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.375	9.5	25.05	14.0	16.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.432	11.0	28.60	16.2	18.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.500	12.7	32.74	18.7	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.562	14.3	36.43	19.3	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
0.625	15.9	40.09	19.3	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7		
8%	219.1	0.125	3.2	11.36	3.6	4.2	6.4	6.9	7.9	8.5	9.1	9.8	10.6	12.1
		0.156	4.0	14.12	4.5	5.3	7.9	8.7	9.8	10.6	11.3	12.3	13.2	15.1
		0.188	4.8	16.94	5.4	6.3	9.5	10.4	11.8	12.7	13.6	14.7	15.9	18.1
		0.203	5.2	18.28	5.9	6.9	10.3	11.3	12.8	13.7	14.7	15.9	17.2	19.7
		0.219	5.6	19.68	6.3	7.4	11.1	12.2	13.8	14.8	15.9	17.2	18.5	20.7
		0.250	6.4	22.38	7.3	8.4	12.7	13.9	15.7	16.9	18.1	19.6	20.7	20.7
		0.277	7.0	24.72	7.9	9.2	13.9	15.2	17.2	18.5	19.8	20.7	20.7	20.7
		0.312	7.9	27.73	9.0	10.4	15.7	17.1	19.4	20.7	20.7	20.7	20.7	20.7
		0.322	8.2	28.58	9.3	10.8	16.3	17.8	20.2	20.7	20.7	20.7	20.7	20.7
		0.344	8.7	30.45	9.9	11.5	17.3	18.9	20.7	20.7	20.7	20.7	20.7	20.7
		0.375	9.5	33.07	10.8	12.5	18.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.438	11.1	38.33	12.6	14.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.500	12.7	43.43	14.4	16.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.562	14.3	48.44	16.2	18.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.625	15.9	53.45	18.0	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

產品規範

Product Specification

API 5L 流氣體輸送用銲接碳鋼鋼管
ERW Carbon Steel Pipe for Line Pipe

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Unit Weight	水壓檢測值 Hydrostatic Test Pressure MPa									
in	mm	in	mm	lb/ft	A	B	X42	X46	X52	X56	X60	X65	X70	X80
10¾	273.1	0.156	4.0	17.67	3.6	4.2	7.2	7.9	20.7	9.6	10.3	11.2	12.0	13.7
		0.188	4.8	21.23	4.4	5.1	8.7	9.5	10.7	11.5	12.4	13.4	14.4	16.5
		0.203	5.2	22.89	4.7	5.5	9.4	10.3	11.6	12.5	13.4	14.5	15.6	17.9
		0.219	5.6	24.65	5.1	5.9	10.1	11.1	12.5	13.5	14.4	15.6	16.8	19.2
		0.250	6.4	28.06	5.8	6.8	11.6	12.6	14.3	15.4	16.5	17.8	19.2	20.7
		0.279	7.1	31.23	6.5	7.5	12.8	14.0	15.9	17.1	18.3	19.8	20.7	20.7
		0.307	7.8	34.27	7.1	8.3	14.1	15.4	17.4	18.7	20.1	20.7	20.7	20.7
		0.344	8.7	38.27	7.9	9.2	15.7	17.2	19.5	20.7	20.7	20.7	20.7	20.7
		0.365	9.3	40.52	8.4	9.9	16.8	18.3	20.7	20.7	20.7	20.7	20.7	20.7
		0.438	11.1	48.28	10.1	11.8	20.0	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.500	12.7	54.79	11.6	13.4	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.562	14.3	61.21	13.0	15.1	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.625	15.9	67.65	14.5	16.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
12¾	323.9	0.173	4.4	23.13	3.4	3.9	6.7	7.3	8.3	8.9	9.6	10.3	11.2	12.7
		0.188	4.8	25.25	3.7	4.3	7.3	8.0	9.0	9.7	10.4	11.3	12.2	13.9
		0.203	5.2	27.23	4.0	4.6	7.9	8.7	9.8	10.5	11.3	12.2	13.2	15.1
		0.219	5.6	29.34	4.3	5.0	8.5	9.3	10.6	11.3	12.2	13.2	14.2	16.2
		0.250	6.4	33.41	4.9	5.7	9.7	10.6	12.1	13.0	13.9	15.0	16.2	18.5
		0.281	7.1	37.46	5.4	6.3	10.8	11.8	13.4	14.4	15.4	16.7	18.0	20.6
		0.312	7.9	41.48	6.1	7.1	12.0	13.1	14.9	16.0	17.2	18.6	20.0	20.7
		0.330	8.4	43.81	6.4	7.5	12.8	14.0	15.8	17.0	18.3	19.8	20.7	20.7
		0.344	8.7	45.62	6.7	7.8	13.2	14.5	16.4	17.6	18.9	20.5	20.7	20.7
		0.375	9.5	49.61	7.3	8.5	14.5	15.8	17.9	19.2	20.6	20.7	20.7	20.7
		0.406	10.3	53.57	7.9	9.2	15.7	17.1	19.4	20.7	20.7	20.7	20.7	20.7
		0.438	11.1	57.65	8.5	9.9	16.9	18.5	20.7	20.7	20.7	20.7	20.7	20.7
		0.500	12.7	65.48	9.7	11.3	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.562	14.3	73.22	11.0	12.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
14	355.6	0.625	15.9	81.01	12.2	14.2	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.188	4.8	27.76	3.4	3.9	6.7	7.3	8.2	8.9	9.5	10.3	11.1	12.7
		0.203	5.2	29.94	3.6	4.2	7.2	7.9	8.9	9.6	10.3	11.1	12.0	13.7
		0.210	5.3	30.96	3.7	4.3	7.3	8.0	9.1	9.8	10.5	11.4	12.2	14.0
		0.219	5.6	32.26	3.9	4.6	7.8	8.5	9.6	10.3	11.1	12.0	12.9	14.8
		0.250	6.4	36.75	4.5	5.2	8.9	9.7	11.0	11.8	12.7	13.7	14.8	16.9
		0.281	7.1	41.21	5.0	5.8	9.8	10.8	12.2	13.1	14.1	15.2	16.4	18.7
		0.312	7.9	45.65	5.5	6.4	11.0	12.0	13.6	14.6	15.6	16.9	18.2	20.7
		0.344	8.7	50.22	6.1	7.1	12.1	13.2	14.9	16.1	17.2	18.6	20.1	20.7
		0.375	9.5	54.62	6.6	7.7	13.2	14.4	16.3	17.5	18.8	20.3	20.7	20.7
		0.406	10.3	59.00	7.2	8.4	14.3	15.6	17.7	19.0	20.4	20.7	20.7	20.7
		0.438	11.1	63.50	7.8	9.0	15.4	16.8	19.1	20.5	20.7	20.7	20.7	20.7
		0.469	11.9	67.84	8.3	9.7	16.5	18.0	20.4	20.7	20.7	20.7	20.7	20.7
		0.500	12.7	72.16	8.9	10.3	17.6	19.2	20.7	20.7	20.7	20.7	20.7	20.7
		0.562	14.3	80.73	10.0	11.6	19.8	20.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.625	15.9	89.36	11.1	12.9	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7

外徑 Outside Diameter		厚度 Wall Thickness		單位重量 Unit Weight	水壓檢測值 Hydrostatic Test Pressure MPa									
in	mm	in	mm	lb/ft	A	B	X42	X46	X52	X56	X60	X65	X70	X80
16	406.4	0.219	5.6	36.95	3.4	4.0	6.8	7.4	8.4	9.0	9.7	10.5	11.3	12.9
		0.250	6.4	42.09	3.9	4.6	7.8	8.5	9.6	10.3	11.1	12.0	12.9	14.8
		0.281	7.1	47.22	4.3	5.1	8.6	9.4	10.7	11.5	12.3	13.3	14.3	16.4
		0.312	7.9	52.32	4.8	5.6	9.6	10.5	11.9	12.8	13.7	14.8	16.0	18.2
		0.344	8.7	57.57	5.3	6.2	10.6	11.5	13.1	14.0	15.1	16.3	17.6	20.1
		0.375	9.5	62.64	5.8	6.8	11.5	12.6	14.3	15.3	16.5	17.8	19.2	20.7
		0.406	10.3	67.68	6.3	7.3	12.5	13.7	15.5	16.6	17.8	19.3	20.7	20.7
		0.438	11.1	72.86	6.8	7.9	13.5	14.7	16.7	17.9	19.2	20.7	20.7	20.7
		0.469	11.9	77.87	7.3	8.5	14.4	15.8	17.9	19.2	20.6	20.7	20.7	20.7
		0.500	12.7	82.85	7.8	9.0	15.4	16.8	19.1	20.5	20.7	20.7	20.7	20.7
		0.562	14.3	92.75	8.7	10.2	17.3	19.0	20.7	20.7	20.7	20.7	20.7	20.7
		0.625	15.9	102.72	9.7	11.3	19.3	20.7	20.7	20.7	20.7	20.7	20.7	20.7
18	457.0	0.250	6.4	47.44	3.5	4.1	6.9	7.5	8.5	9.2	9.9	10.7	11.5	13.1
		0.281	7.1	53.23	3.9	4.5	7.7	8.4	9.5	10.2	10.9	11.8	12.8	14.6
		0.312	7.9	58.99	4.3	5.0	8.5	9.3	10.6	11.3	12.2	13.2	14.2	16.2
		0.344	8.7	64.93	4.7	5.5	9.4	10.3	11.6	12.5	13.4	14.5	15.6	17.9
		0.375	9.5	70.65	5.2	6.0	10.2	11.2	12.7	13.6	14.6	15.8	17.1	19.5
		0.406	10.3	76.36	5.6	6.5	11.1	12.1	13.8	14.8	15.9	17.2	18.5	20.7
		0.438	11.1	82.23	6.0	7.0	12.0	13.1	14.8	15.9	17.1	18.5	19.9	20.7
		0.469	11.9	87.89	6.5	7.5	12.8	14.0	15.9	17.1	18.3	19.8	20.7	20.7
		0.500	12.7	93.54	6.9	8.0	13.7	15.0	17.0	18.2	19.6	20.7	20.7	20.7
		0.562	14.3	104.76	7.8	9.0	15.4	16.9	19.1	20.5	20.7	20.7	20.7	20.7
20	508.0	0.625	15.9	116.09	8.6	10.1	17.2	18.7	20.7	20.7	20.7	20.7	20.7	20.7
		0.250	6.4	52.78	3.1	3.6	6.6	7.2	8.1	8.8	9.4	10.2	11.0	12.5
		0.281	7.1	59.23	3.5	4.0	7.3	8.0	9.0	9.7	10.4	11.3	12.2	13.9
		0.312	7.9	65.66	3.9	4.5	8.1	8.9	10.0	10.8	11.6	12.5	13.5	15.5
		0.344	8.7	72.28	4.3	5.0	8.9	9.8	11.1	11.9	12.8	13.8	14.9	17.0
		0.375	9.5	78.67	4.6	5.4	9.8	10.7	12.1	13.0	13.9	15.1	16.3	18.6
		0.406	10.3	85.04	5.0	5.9	10.6	11.6	13.1	14.1	15.1	16.4	17.6	20.1
		0.438	11.1	91.59	5.4	6.3	11.4	12.5	14.1	15.2	16.3	17.6	19.0	20.7
		0.469	11.9	97.92	5.8	6.8	12.2	13.4	15.1	16.3	17.5	18.9	20.4	20.7
		0.500	12.7	104.23	6.2	7.2	13.1	14.3	16.2	17.4	18.6	20.2	20.7	20.7
		0.562	14.3	116.78	7.0	8.1	14.7	16.1	18.2	19.6	20.7	20.7	20.7	20.7
		0.625	15.9	129.45	7.8	9.1	16.3	17.9	20.2	20.7	20.7	20.7	20.7	20.7

產品規範

Product Specification

- ASTM A53

結構 / 低壓配管用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Structure/Low-Pressure Plumbing
- ASTM A252

打樁用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Piling
- ASTM A500

結構用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Structure

標稱尺寸 NPS DN	外徑 O.D. (in)	厚度 Wall Thickness (in) 單位重量 Unit Weight (lb/ft)								厚度 Wall Thickness (in) 單位重量 Unit Weight (lb/ft)									
2 50	2.375		STD / Sch40 0.154 3.66			XS / Sch80 0.218 5.03							Sch160 0.344 7.47			XXS 0.436 9.04			
2½ 65	2.875				STD / Sch40 0.203 5.80				XS / Sch80 0.276 7.67				Sch160 0.375 10.02					XXS 0.552 13.71	
3 80	3.500	0.125 4.51	0.156 5.58	0.188 6.66		STD / Sch40 0.216 7.58		0.250 8.69		0.281 9.67	0.300 10.26					Sch160 0.438 14.34			
4 100	4.500	0.125 5.85	0.156 7.24	0.188 8.67		0.219 10.02	0.237 10.80	0.250 11.36		0.281 12.67	0.312 13.97	0.337 15.00				Sch120 0.438 19.02			Sch160 0.531 22.53
5 125	5.563		0.156 9.02	0.188 10.80		0.219 12.51			STD / Sch40 0.258 14.63	0.281 15.87	0.312 17.51		0.344 19.19	0.375 20.80				Sch120 0.500 27.06	
6 150	6.625			0.188 12.94		0.219 15.00		0.250 17.04		STD / Sch40 0.280 18.99	0.312 21.06		0.344 23.10	0.375 25.05		XS / Sch80 0.432 28.60			Sch120 0.594 36.43
8 200	8.625			0.188 16.96	0.203 18.28	0.219 19.68		Sch20 0.250 22.38	Sch30 0.277 24.72		0.312 27.73	0.322 28.58	0.344 30.45	0.375 33.07	0.406 35.67	0.438 38.33		XS / Sch80 0.500 43.43	Sch100 0.594 51.00
10 250	10.750			0.188 21.23	0.203 22.89	0.219 24.65		Sch20 0.250 28.06	0.279 31.23		Sch30 0.307 34.27		0.344 38.27	0.365 40.52		STD / Sch40 0.438 48.28		XS / Sch60 0.500 54.79	Sch80 0.594 64.49
12 300	12.750				0.203 27.23	0.219 29.34		Sch20 0.250 33.41		0.281 37.46	0.312 47.48	Sch30 0.330 43.81	0.344 45.62	0.375 49.61	Sch40 0.406 53.57	0.438 57.65		XS 0.500 65.48	Sch60 0.562 73.22
14 350	14.000				0.210 30.98	0.219 32.26		Sch10 0.250 36.75		0.281 41.21	Sch20 0.312 45.65		0.344 50.22	0.375 54.62		STD / Sch30 0.438 63.50	Sch40 0.469 67.84	XS 0.500 72.16	Sch60 0.594 85.13
16 400	16.000					0.219 36.95		Sch10 0.250 42.09		0.281 47.22	Sch20 0.312 52.32		0.344 57.57	0.375 62.64		STD / Sch30 0.438 72.86	0.469 77.87	XS / Sch40 0.500 82.85	
18 450	18.000							Sch10 0.250 47.44		0.281 53.23	Sch20 0.312 58.99		0.344 64.93	0.375 70.65	0.406 76.36	Sch30 0.438 82.23	0.469 87.89	XS 0.500 93.54	Sch40 0.562 104.76
20 500	20.000							Sch10 0.250 52.78		0.281 59.23	0.312 65.66		0.344 72.28	0.375 78.67	0.406 84.04	STD / Sch20 0.438 91.59	0.469 97.92	XS / Sch30 0.500 104.23	Sch40 0.594 123.23

產品規範

Product Specification

- ASTM A53

結構 / 低壓配管用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Structure/Low-Pressure Plumbing
- ASTM A252

打樁用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Piling
- ASTM A500

結構用鐸接碳鋼鋼管

ERW Carbon Steel Pipe for Structure

標稱尺寸 NPS DN	外徑 O.D. (mm)	厚度 Wall Thickness (mm) 單位重量 Unit Weight (kg/m)								厚度 Wall Thickness (mm) 單位重量 Unit Weight (kg/m)									
		STD / Sch40				XS / Sch80				Sch160				XXS					
2 50	60.3		3.91 5.44			5.54 7.48					8.74 11.11			11.07 13.44					
2½ 65	73.0				5.16 8.63			7.01 11.41				9.52 14.90						14.02 20.39	XXS
3 80	88.9	3.18 6.72	3.96 8.29	4.78 9.92		5.49 11.29		6.35 12.93		7.14 14.40	7.62 15.27			11.13 21.35					
4 100	114.3	3.18 8.71	3.96 10.76	4.78 12.91		5.56 14.91	6.02 16.07	6.35 16.90		7.14 18.67	7.92 20.78	8.56 22.32			11.13 28.32			13.49 33.54	Sch160
5 125	141.3		3.96 13.41	4.78 16.09		5.56 18.61			6.55 21.77	7.14 23.62	7.92 26.05		8.74 28.57	9.52 30.94			12.70 40.28		Sch120
6 150	168.3			4.78 19.27		5.56 22.31		6.35 25.36		7.11 28.26	7.92 31.32		8.74 34.39	9.52 37.28		10.97 42.56		14.27 54.20	Sch120
8 200	219.1			4.78 25.26	5.16 27.22	5.56 29.28		6.35 33.31	7.04 36.31		7.92 41.24	8.18 42.55	8.74 45.34	9.52 49.20	10.31 53.08	11.13 57.08		12.70 64.64	15.09 75.92
10 250	273.0			4.78 31.62	5.16 34.06	5.56 36.67		6.35 41.75	7.09 46.49		7.80 51.01		8.74 56.96	9.27 60.29		11.13 71.87		12.70 81.52	15.09 95.97
12 300	323.8				5.16 40.55	5.56 43.63		6.35 49.71		7.14 55.75	7.92 61.69	8.38 65.18	8.74 67.90	9.52 73.78	10.31 79.70	11.13 85.82		12.70 94.43	14.27 108.92
14 350	355.6				5.16 46.04	5.56 47.99		6.35 54.69		7.14 61.35	7.92 67.90		8.74 74.76	9.52 81.25		11.13 94.55	11.91 100.94	12.70 107.39	15.09 126.71
16 400	406.4					5.56 54.96		6.35 62.64		7.14 70.30	7.92 77.83		8.74 85.71	9.52 93.17		11.13 108.49	11.91 115.86	12.70 123.30	
18 450	457.0							6.35 70.60		7.14 79.24	7.92 87.75		8.74 96.66	9.52 105.10	10.31 113.62	11.13 122.43	11.91 130.78	12.70 139.20	14.27 155.87
20 500	508.0							6.35 78.50		7.14 88.19	7.92 97.67		8.74 107.60	9.52 117.02	10.31 126.53	11.13 136.37	11.91 145.70	12.70 155.12	15.09 183.42

產品規範

Product Specification

JIS G3444 STK 一般結構用銲接碳鋼鋼管 ERW Carbon Steel Tube for General Structure

標稱尺寸 NPS		外徑 O.D.	厚度 Wall Thickness																										
A	B	mm	2.0	2.3	2.5	2.8	3.2	3.5	3.6	4.0	4.5	5.0	5.8	6.0	6.6	6.9	7.0	7.1	7.9	8.0	8.2	9.0	9.3	9.5	10.3	12.0	12.7	14.0	16.0
50	2	60.5																											
65	2½	76.3																											
80	3	89.1																											
100	4	114.3																											
125	5	139.8																											
150	6	165.2																											
200	8	216.3																											
250	10	267.4																											
300	12	318.5																											
350	14	355.6																											
400	16	406.4																											
450	18	457.2																											
500	20	508.0																											

JIS G3452 SGP 配管用銲接碳鋼鋼管 ERW Carbon Steel Pipe for Ordinary Piping

標稱尺寸 NPS		外徑 O.D.	厚度 Wall Thickness						
A	B	mm	3.8	4.2	4.5	5.0	5.8	6.6	7.9
50	2	60.5							
65	2½	76.3							
80	3	89.1							
100	4	114.3							
125	5	139.8							
150	6	165.2							
200	8	216.3							
250	10	267.4							
300	12	318.5							
350	14	355.6							
400	16	406.4							
450	18	457.2							
500	20	508.0							

JIS G3454 STPG 壓力配管用銲接碳鋼鋼管 ERW Carbon Steel Tube for Pressure Service

標稱尺寸 NPS		外徑 O.D.	厚度 Wall Thickness																									
A	B	mm	3.2	3.9	4.5	4.9	5.1	5.2	5.5	6.0	6.4	6.6	7.0	7.1	7.6	7.8	7.9	8.1	8.2	8.4	8.6	9.3	9.5	10.3	11.0	11.1	12.7	15.1
50	2	60.5																										
65	2½	76.3																										
80	3	89.1																										
100	4	114.3																										
125	5	139.8																										
150	6	165.2																										
200	8	216.3																										
250	10	267.4																										
300	12	318.5																										
350	14	355.6																										
400	16	406.4																										
450	18	457.2																										
500	20	508.0																										

AS/NZS 1163 結構用銲接碳鋼鋼管 ERW Carbon Steel Pipe for Structure

外徑 O.D.	厚度 Wall Thickness																					
mm	2.3	2.6	3.0	3.2	3.5	3.6	4.0	4.5	4.8	5.0	5.4	5.5	5.9	6.0	6.4	7.1	8.2	9.3	9.5	12.7	16.0	
60.3																						
76.1																						
88.9																						
114.3																						
139.7																						
165.1																						
168.3																						
219.1																						
273.1																						
323.9																						
355.6																						
406.4																						
457.0																						
508.0																						

EN 10219 結構用銲接碳鋼鋼管 ERW Carbon Steel Pipe for Structure

外徑 O.D.	厚度 Wall Thickness												
mm	2.0	2.5	3.0	4.0	5.0	6.0	6.3	8.0	10.0	12.0	12.5	16.0	
60.3													
76.1													
88.9													
114.3													
139.7													
168.3													
177.8													
219.1													
244.5													
273.0													
323.9													
355.6													
406.4													
457.0													
508.0													

CSA Z245.1 流氣體輸送用銲接碳鋼鋼管 ERW Carbon Steel Pipe for Line Pipe

外徑 O.D.	厚度 Wall Thickness																											
NPS	mm	4.4	4.8	5.2	5.5	5.6	6.0	6.4	6.6	7.0	7.1	7.6	7.8	7.9	8.2	8.4	8.6	8.7	9.3	9.5	10.3	11.1	11.9	12.7	14.3	15.1	15.9	
2	60.3																											
2½	73.0																											
3	88.9																											
4	114.3																											
5	141.3																											
6	168.3																											
8	219.1																											
10	273.1																											
12	323.9																											
14	355.6																											
16	406.4																											
18	457.0																											
20	508.0																											

■ CNS 6445 G3127 配管用碳鋼鋼管 Carbon Steel Pipe for Ordinary Piping

標稱尺寸 NPS		外徑 O.D.	外徑公差 O.D. Tolerance		厚度 Wall Thickness	未含接頭之單位重量 Plain-End Unit Weight
			絞牙鋼管 Taper Threaded Pipe	其他用管類 Other Pipes		
A	B	mm			mm	kg/m
50	2	60.5	± 0.5 mm	± 1%	3.8	5.31
65	2½	76.3	± 0.7 mm	± 1%	4.2	7.47
80	3	89.1	± 0.8 mm	± 1%	4.2	8.79
100	4	114.3	± 0.8 mm	± 1%	4.5	12.2
125	5	139.8	± 0.8 mm	± 1%	4.5	15.0
150	6	165.2	± 0.8 mm	± 1.6 mm	5.0	19.8
200	8	216.3	± 1.0 mm	± 0.8%	5.8	30.1
250	10	267.4	± 1.3 mm	± 0.8%	6.6	42.5
300	12	318.5	± 1.5 mm	± 0.8%	6.9	53.0
350	14	355.6	-	± 0.8%	7.9	67.7
400	16	406.4	-	± 0.8%	7.9	77.6
450	18	457.2	-	± 0.8%	7.9	87.5
500	20	508.0	-	± 0.8%	7.9	97.4

適用種類：JIS G3452 SGP

Equivalent to JIS G3452 SGP

■ CNS 4626 G3111 壓力配管用碳鋼鋼管 Carbon Steel Pipe for Pressure Service

標稱尺寸 NPS		外徑 O.D.	標稱厚度號數											
			Sch10		Sch20		Sch30		Sch40		Sch60		Sch80	
			厚度 Wall Thickness	單位重量 Unit Weight	厚度 Wall Thickness	單位重量 Unit Weight	厚度 Wall Thickness	單位重量 Unit Weight	厚度 Wall Thickness	單位重量 Unit Weight	厚度 Wall Thickness	單位重量 Unit Weight	厚度 Wall Thickness	單位重量 Unit Weight
A	B	mm	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m	mm	kg/m
50	2	60.5	-	-	3.2	4.52	-	-	3.9	5.44	4.9	6.72	5.5	7.46
65	2½	76.3	-	-	4.5	7.97	-	-	5.2	9.12	6.0	10.4	7.0	12.0
80	3	89.1	-	-	4.5	9.39	-	-	5.5	11.3	6.6	13.4	7.6	15.3
100	4	114.3	-	-	4.9	13.2	-	-	6.0	16.0	7.1	18.8	8.6	22.4
125	5	139.8	-	-	5.1	16.9	-	-	6.6	21.7	8.1	26.3	9.5	30.5
150	6	165.2	-	-	5.5	21.7	-	-	7.1	27.7	9.3	35.8	11.0	41.8
200	8	216.3	-	-	6.4	33.1	7.0	36.1	8.2	42.1	10.3	52.3	12.7	63.8
250	10	267.4	-	-	6.4	41.2	7.8	49.9	9.3	59.2	12.7	79.8	15.1	94.0
300	12	318.5	-	-	6.4	49.3	8.4	64.2	10.3	78.3	14.3	107	-	-
350	14	355.6	6.4	55.1	7.9	67.7	9.5	81.1	11.1	94.3	15.1	127	-	-
400	16	406.4	6.4	63.1	7.9	77.6	9.5	93.0	12.7	123	-	-	-	-
450	18	457.2	6.4	71.2	7.9	87.5	11.1	122	14.3	156	-	-	-	-
500	20	508.0	6.4	79.2	9.5	117	12.7	155	15.1	184	-	-	-	-

適用種類：JIS G3454 STPG

Equivalent to JIS G3454 STPG

產品規範

Product Specification

■ CNS 2056 G3030 低壓有縫鋼管 Welded Steel Pipe for Low Pressure Use

標稱尺寸 NPS		類別 Category	外徑最大值 O.D. Max.		外徑最小值 O.D. Min.		厚度 Wall Thickness		單位重量 Unit Weight			
									平角 Plain-End		螺紋 Screwed	
A	B		mm	in	mm	in	mm	in	kg/m	lb/ft	kg/m	lb/ft
50	2	輕級 (L)	60.2	2.370	59.6	2.346	2.9	0.116	4.11	2.76	4.18	2.81
		中級 (M)	60.8	2.394	59.7	2.350	3.7	0.144	5.10	3.42	5.17	3.47
		重級 (H)	60.8	2.394	59.7	2.350	4.5	0.177	6.17	4.14	6.24	4.19
65	2½	輕級 (L)	76.0	2.992	75.2	2.960	3.3	0.128	5.80	3.90	5.92	3.98
		中級 (M)	76.6	3.016	75.3	2.965	3.7	0.144	6.51	4.38	6.63	4.46
		重級 (H)	76.6	3.016	75.3	2.965	4.5	0.176	7.90	5.31	8.02	5.39
80	3	輕級 (L)	88.7	3.492	87.9	3.460	3.3	0.128	6.81	4.58	6.98	4.69
		中級 (M)	89.5	3.524	88.0	3.465	4.1	0.159	8.47	5.69	8.64	5.80
		重級 (H)	89.5	3.524	88.0	3.465	4.9	0.191	10.1	6.76	10.3	6.87
100	4	輕級 (L)	113.9	4.484	113.0	4.450	3.7	0.144	9.89	6.64	10.2	6.84
		中級 (M)	115.0	4.528	113.1	4.453	4.5	0.176	12.1	8.14	12.4	8.34
		重級 (H)	115.0	4.528	113.1	4.453	5.4	0.212	14.4	9.71	14.7	9.91
125	5	中級 (M)	140.8	5.543	138.5	5.453	4.9	0.191	16.2	10.9	16.7	11.2
		重級 (H)	140.8	5.543	138.5	5.453	5.4	0.212	17.8	12.0	13.3	12.3
150	6	中級 (M)	166.5	6.555	163.9	6.453	4.9	0.191	19.2	12.9	19.8	13.3
		重級 (H)	166.5	6.555	163.9	6.453	5.4	0.212	21.2	14.3	21.8	14.7
200	8	中級 (M)	218.5	8.602	214.1	8.429	6.0	0.236	31.1	20.9	-	-
		重級 (H)	218.5	8.602	214.1	8.429	6.4	0.252	33.1	22.2	-	-
250	10	中級 (M)	270.1	10.634	264.7	10.421	6.0	0.236	38.6	25.9	-	-
		重級 (H)	270.1	10.634	264.7	10.421	6.4	0.252	41.1	27.6	-	-
300	12	中級 (M)	321.7	12.665	315.3	12.413	6.0	0.236	46.1	30.9	-	-
		重級 (H)	321.7	12.665	315.3	12.413	6.4	0.252	49.3	33.0	-	-
350	14	中級 (M)	359.2	14.142	352.0	13.860	6.0	0.236	51.7	34.7	-	-
		重級 (H)	359.2	14.142	352.0	13.860	7.9	0.311	67.7	45.4	-	-
400	16	中級 (M)	410.5	16.161	402.3	15.839	6.0	0.236	59.2	39.7	-	-
		重級 (H)	410.5	16.161	402.3	15.839	7.9	0.311	77.1	52.1	-	-

適用種類：BS 1387

Equivalent to BS 1387

■ CNS 4435 G3102 一般結構用碳鋼鋼管 Carbon Steel Pipe for General Structure

標稱尺寸 NPS		外徑 O.D.	厚度 Wall Thickness	單位重量 Unit Weight
A	B	mm	mm	kg/m
50	2	60.5	2.3	3.30
			3.2	4.52
			4.0	5.57
65	2½	76.3	2.8	5.08
			3.2	5.77
			4.0	7.13
80	3	89.1	2.8	5.96
			3.2	6.78
100	4	114.3	3.2	8.77
			3.5	9.56
			4.5	12.2
			5.6	15.0
125	5	139.8	3.6	12.1
			4.0	13.4
			4.5	15.0
150	6	165.2	6.0	19.8
			4.5	17.8
			5.0	19.8
			6.0	23.6
200	8	216.3	7.1	27.7
			4.5	23.5
			5.8	30.1
			6.0	31.1
			7.0	36.1
			8.0	41.1
250	10	267.4	8.2	42.1
			6.0	38.7
			6.6	42.5
			7.0	45.0
			8.0	51.2
			9.0	57.4
300	12	318.5	9.3	59.2
			6.0	46.2
			6.9	53.0
			8.0	61.3
			9.0	68.7
350	14	355.6	10.3	78.3
			6.4	55.1
			7.9	67.7
			9.0	76.9
			9.5	81.1
400	16	406.4	12.0	102
			12.7	107
			7.9	77.6
			9.0	88.2
			9.5	93.0
450	18	457.2	12.0	117
			12.7	123
			16.0	154
			9.0	99.5
			9.5	105
500	20	508.0	12.0	132
			12.7	139
			16.0	174
			7.9	97.4
			9.0	111
550	22	559.0	9.5	117
			12.0	147
			12.7	155
			14.0	171
			16.0	194

適用種類：JIS G3444 STK

Equivalent to JIS G3444 STK