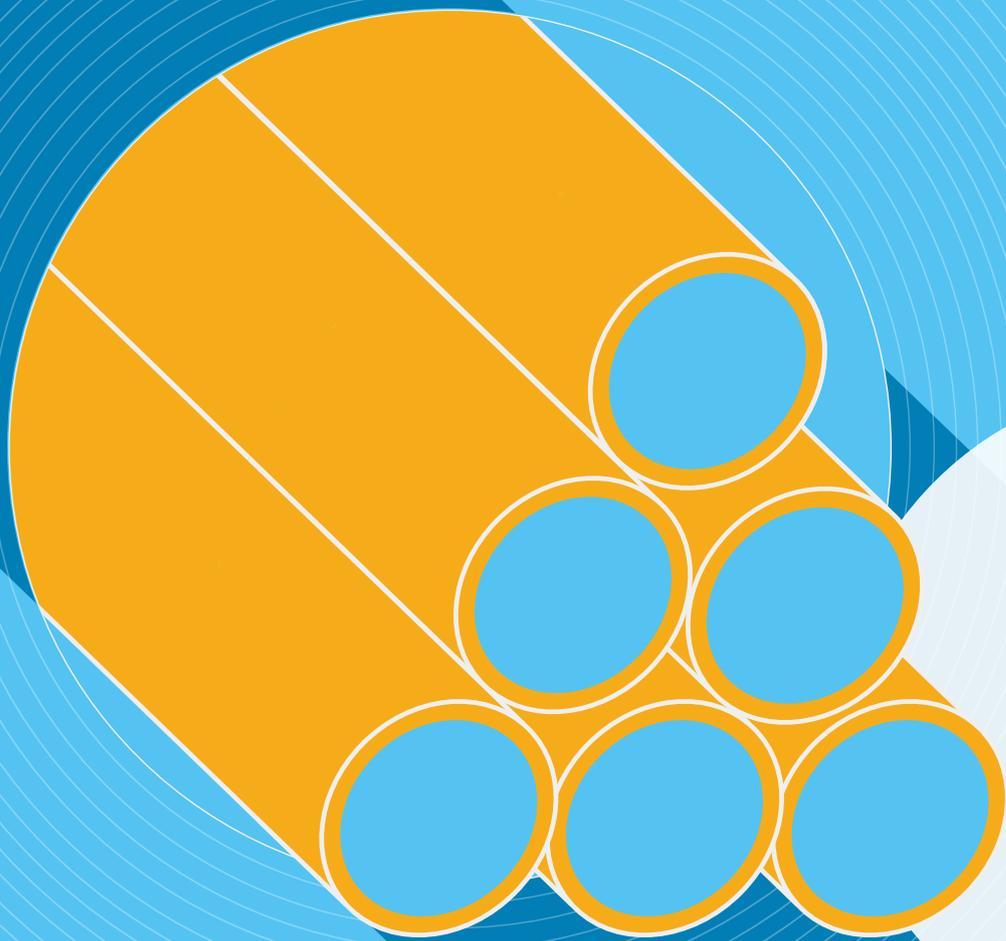


中鋼集團



member of CSC Group

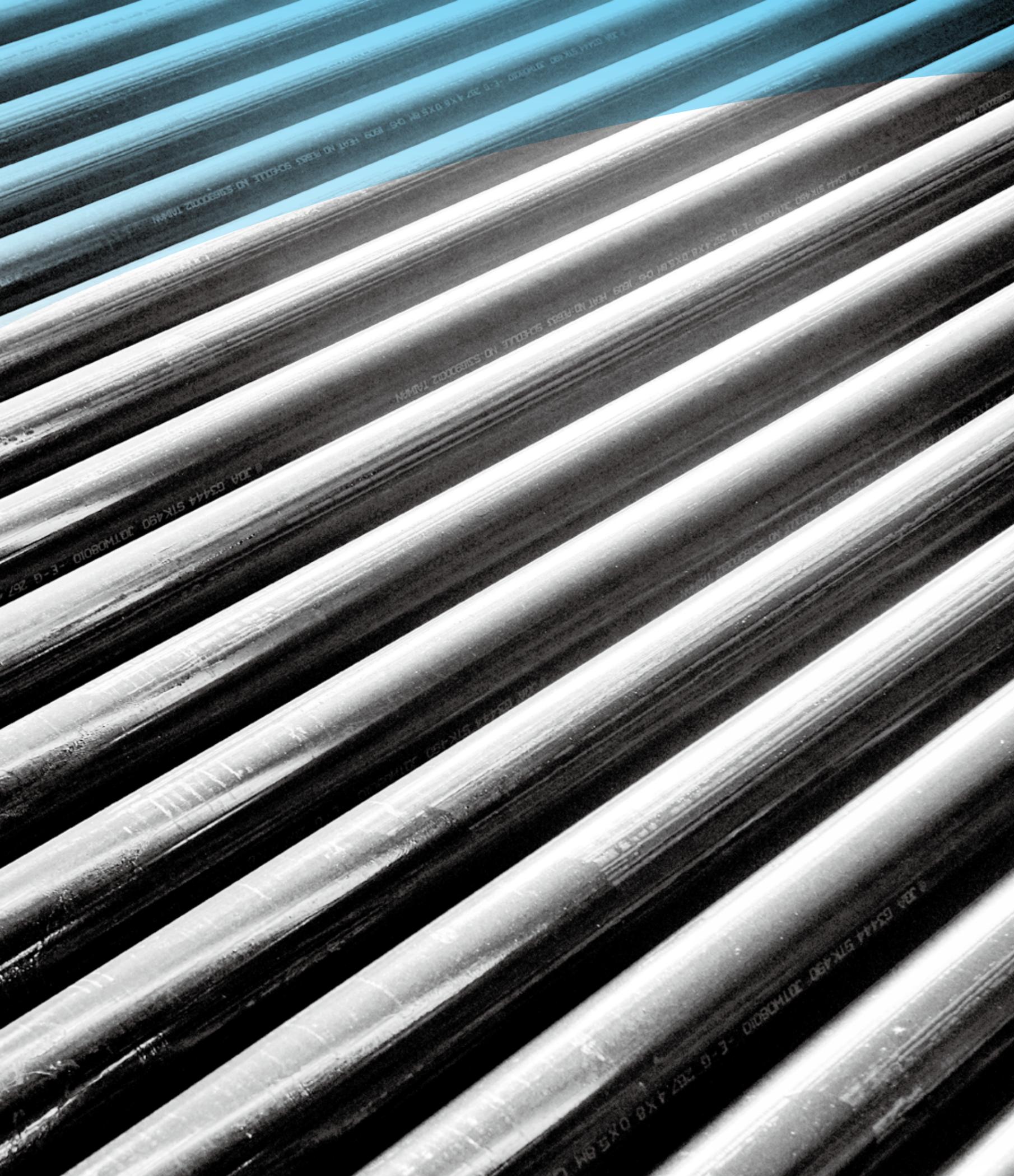


Steel Pipe & Tube Products

鋼管產品型錄



中鴻銹鐵股份有限公司
CHUNG HUNG STEEL CORPORATION



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中鴻願景

The Vision of
Chung Hung Steel Corporation

中鴻堅持正派經營，努力打造成為一個持續發展、值得信賴、樂於交往的鋼鐵公司。

We persist in operating uprightly and devote ourselves to continuous development, trustworthiness and engaging willingly with our stakeholders.



中鴻發展歷程

中鴻鋼鐵股份有限公司（原名燁隆企業股份有限公司，2004年7月14日正式更名，以下簡稱中鴻）成立於1983年9月，基於國內鋼鐵上下游整合，中鴻於1999年底與中鋼公司策略聯盟，2000年正式成為中鋼集團一員。

業務簡介

中鴻主要產品有熱軋鋼捲、酸洗塗油鋼捲、冷軋全硬鋼捲、冷軋調質鋼捲、碳鋼鋼管、鍍鋅鋼管、PE 包覆鋼管、API 輸油管、API 石油用管。產品銷售以供應國內為優先，產品廣泛運用在五金、建材、汽車、家電、運動器材、鋼製傢俱、能源工業等眾多產業。

Development of Chung Hung Steel Corporation

Chung Hung Steel Corporation (originally named Yieh Loong Enterprise Co., Ltd., was renamed on July 14th, 2004, known as "CHS" for short) was established in September 1983. For observing the integration of upstream and downstream steel companies in Taiwan, CHS formed a strategic alliance with CSC at the end of 1999, and officially became a member of the CSC Group in 2000.

Brief Introduction of Operation

CHS's main carbon products include hot-rolled steel coils, cold-rolled full hard steel coils, cold-rolled tempered steel coils, carbon steel pipes, galvanized steel pipes, PE coated steel pipes, API line pipes and API OCTG pipes for casing and tubing. The products are widely used to manufacture hardware, building materials, cars, household electric appliances, sport equipment, steel furniture, energy industry and so on. They are primarily prioritized for domestic sales.

大發廠區簡介

Dafa Mill Profile



本公司鋼管廠大發廠區自 1987 年 5 月於高雄大發工業區成立並開始生產營運。該廠年設計產能 4.8 萬噸，擁有國內首座能生產 20"(508mm) 高週波電阻銲接鋼管之最大型製管車與生產技術，且能提供客戶各種不同規格、尺寸之圓管，並為台灣第一家通過日本新 JIS 審查認證之專業鋼管製造廠。

製造設備包含鋼捲分條機、兩條製管線，分別生產 4" ~ 8"(114.3mm ~ 216.3mm/219.1mm) 和 10" ~ 20"(267.4mm/273.1mm ~ 508mm)，長度介於 5.8m ~ 12.9m (19ft ~ 42.5ft) 之圓形鋼管。

另設有噴砂機、PE 包覆線，可依顧客需求作鋼管包覆，增加其耐用性及絕緣性。

The Dafa Mill was established in Kaohsiung in May 1987 and began its fabrication operation at the same time. With annual design capacity of 48 thousand tons, the mill is the first in Taiwan to own the largest H.F. ERW pipe & tube facilities and the manufacturing technology to produce welded steel pipe of 20" (508mm). Furthermore, it may provide customers with round pipes of different kinds of specifications and sizes, and it is also the first professional pipe & tube mill that passes New JIS certification in Taiwan's steel industry.

The mill is equipped with slitter machine and two pipe forming lines that respectively produce round steel pipe of 4"~ 8" (114.3mm ~ 216.3mm/219.1mm) and 10" ~ 20" (267.4mm/273.1mm ~ 508mm), with length of 19ft ~ 42.5ft (5.8m ~ 12.9m).

It is also equipped with shot blasting machine and PE coating line that may coat pipes pursuant to requirements of customers to increase their durability and insulation.

鹿港廠區簡介

Lukang Mill Profile



本公司鋼管廠鹿港廠區 2014 年於彰濱工業區建廠完成，佔地約 13 公頃 (32 英畝)，鄰近台中港，擁有國內唯一可供應長度 18m(60ft) 高週波電阻銲接鋼管之生產技術，年設計產能 20 萬噸。

製造設備包含鋼捲分條機、兩條製管線，分別生產 2" ~ 4"(60.3mm ~ 114.3mm) 和 4" ~ 14"(114.3mm ~ 355.6mm)，長度介於 5.8m ~ 18m(19ft ~ 60ft) 之圓形鋼管。

另設有紫外線固化塗覆設備，提升鋼管外觀品質和防鏽能力。

The Lukang Mill was established at Changhua Coastal Industrial Park in 2014. The mill site covers an area of 32 acres (13 Ha) and nearby Port of Taichung. It is the only domestic mill capable of producing 60ft (18m) H.F. ERW pipe, with 200 thousand tons of annual design capacity.

The mill is equipped with slitter machine and two pipe forming lines that respectively produce round steel pipe of 2" ~ 4" (60.3mm ~ 114.3mm) and 4" ~ 14" (114.3mm ~ 355.6mm), with length of 19ft ~ 60ft (5.8m ~ 18m).

It is also equipped with ultraviolet coating facility to enhance surface quality and anti-rust ability.

設備能力

Production Capability

主要特點

Features

mm(in)	外徑 Outside Diameter																						
厚度 Thickness	60.3 (2%)	73.0 (2%)	76.3 (2½)	88.9 (3½)	114.3 (4½)	139.7 (5½)	141.3 (5½a)	165.2 (6%)	168.3 (6%)	177.8 (7)	216.3 (8%)	219.1 (8%)	244.5 (9%)	267.4 (10)	273.1 (10%)	318.5 (12)	323.9 (12%)	339.7 (13%)	355.6 (14)	406.4 (16)	457.2 (18)	508.0 (20)	
1.5 (0.059)																							
2.0 (0.079)																							
3.0 (0.118)																							
3.5 (0.138)																							
4.0 (0.157)																							
4.5 (0.177)																							
5.0 (0.197)																							
5.5 (0.217)																							
6.0 (0.236)																							
6.5 (0.256)																							
7.0 (0.276)																							
7.5 (0.295)																							
8.0 (0.315)																							
8.6 (0.338)																							
9.6 (0.378)																							
10.5 (0.413)																							
11.0 (0.433)																							
11.5 (0.453)																							
12.7 (0.5)																							
13.0 (0.512)																							
13.5 (0.531)																							
14.3 (0.563)																							
15.1 (0.594)																							
16.0 (0.630)																							

mm(in)	外徑 Outside Diameter																						
長度 Length	60.3 (2%)	73.0 (2%)	76.3 (2½)	88.9 (3½)	114.3 (4½)	139.7 (5½)	141.3 (5½a)	165.2 (6%)	168.3 (6%)	177.8 (7)	216.3 (8%)	219.1 (8%)	244.5 (9%)	267.4 (10)	273.1 (10%)	318.5 (12)	323.9 (12%)	339.7 (13%)	355.6 (14)	406.4 (16)	457.2 (18)	508.0 (20)	
5.8m (19ft)																							
6.0m (20ft)																							
12.0m (40ft)																							
12.9m (42.2ft)																							
15.0m (50ft)																							
18.0m (60ft)																							

年產能	270,000 噸
外徑	60.3mm ~ 508.0mm (2" ~ 20")
厚度	1.5mm ~ 16.0mm (0.060" ~ 0.630")
長度	5.8m ~ 18.0m (19ft ~ 60ft)
製管能力	758 MPa (110 ksi) Y.S.
表面處理	凡立水、紫外線固化塗覆、PE 聚乙烯包覆
產品	石油用管 (油井套管和抽油管) 流氣體輸送用鋼管 結構用鋼管 配管用鋼管 打樁用鋼管
規格	API 5CT & 5L, ASTM, JIS, AS/NZS, EN, BS, CSA, CNS

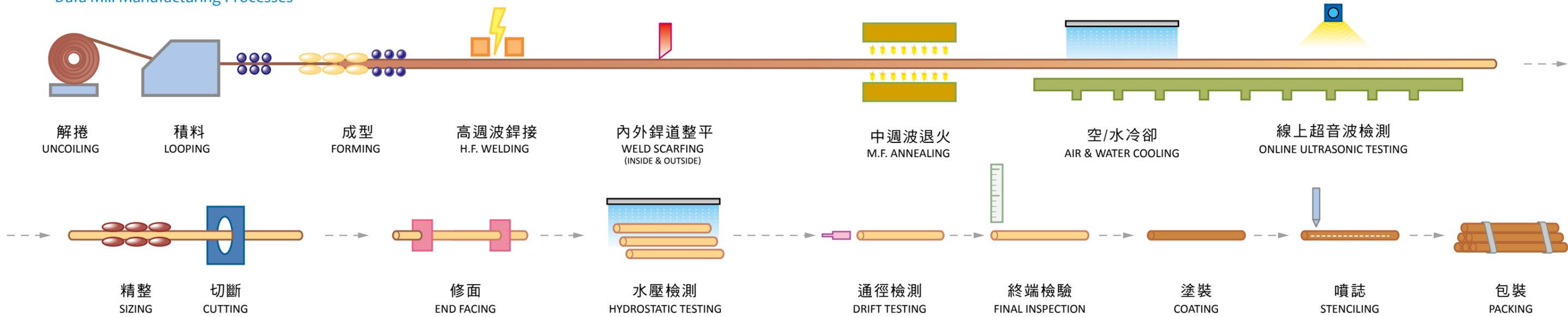
Annual Capacity	270,000 MT
Outside Diameter	2" ~ 20" (60.3mm ~ 508.0mm)
Wall Thickness	0.060" ~ 0.630" (1.5mm ~ 16.0mm) SCH10 Light Wall & SCH80 Heavy Wall
Length	19ft ~ 60ft (5.8m ~ 18.0m) SRL/DRL/TRL
Capability	110 ksi (758 MPa) Y.S.
Coating	Varnish/Lacquer, UV Coating, PE Coating
Product	OCTG, Casing & Tubing Line Pipe Structural Pipe Plumbing Pipe Piling Pipe
Specification	API 5CT & 5L, ASTM, JIS, AS/NZS, EN, BS, CSA, CNS

生產流程

Manufacturing Processes

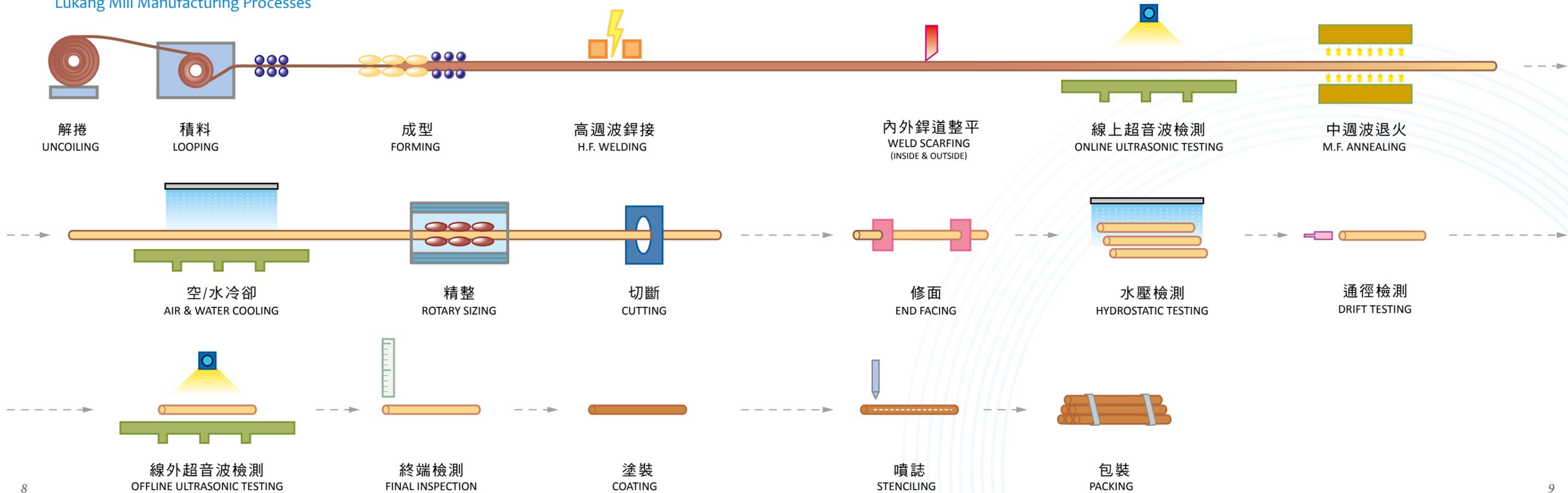
大發廠區製造流程

Dafa Mill Manufacturing Processes



鹿港廠區製造流程

Lukang Mill Manufacturing Processes



■ **API 5CT** 石油用 (油井套管和抽油管) 鍍接碳鋼鋼管
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	-	-	-	-	-
4%	114.30	0.430	10.92	18.90	-	-	-	-	-
		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
5%	139.70	0.337	8.56	15.10	-	-	-	-	-
		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
6%	168.28	0.415	10.54	23.00	-	-	-	66.5	66.5
		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
7	177.80	0.475	12.06	32.00	-	-	-	63.5	63.5
		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		

1 MPa = 145.036 psi

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	-	-		

1 MPa = 145.036 psi

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
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
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		
2%	73.0	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
		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		
3½	88.9	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
		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		
4½	114.3	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

1 MPa = 145.036 psi

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		
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.									

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
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
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		
14	355.6	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		

1 MPa = 145.036 psi

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	19.2	20.7	20.7		
		0.469	11.9	77.87	7.3	8.5	14.4	15.8	17.9	19.2	19.2	20.6	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		
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				
20	508.0	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				

1 MPa = 145.036 psi

產品規範

Product Specification

- **ASTM A53** 結構 / 低壓配管用鍍接碳鋼鋼管 ERW Carbon Steel Pipe for Structure/Low-Pressure Plumbing
- ASTM A252** 打樁用鍍接碳鋼鋼管 ERW Carbon Steel Pipe for Piling
- ASTM A500** 結構用鍍接碳鋼鋼管 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)							
		STD / Sch40		XS / Sch80		Sch160		XXS		STD / Sch40		XS / Sch80		Sch160		XXS			
2 50	2.375	0.154 3.66		0.218 5.03		0.344 7.47		0.436 9.04											
2½ 65	2.875	0.203 5.80		0.276 7.67		0.375 10.02		0.552 13.71											
3 80	3.500	0.125 4.51	0.156 5.58	0.188 6.66	0.216 7.58	0.250 8.69	0.281 9.67	0.300 10.26	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	0.438 19.02	0.531 22.53							
5 125	5.563	0.156 9.02		0.188 10.80	0.219 12.51	0.258 14.63	0.281 15.87	0.312 17.51	0.344 19.19	0.375 20.80	0.500 27.06								
6 150	6.625	0.188 12.94		0.219 15.00	0.250 17.04	0.280 18.99	0.312 21.06	0.344 23.10	0.375 25.05	0.432 28.60	0.594 36.43								
8 200	8.625	0.188 16.96		0.203 18.28	0.219 19.68	0.250 22.38	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	0.500 43.43	0.594 51.00				
10 250	10.750	0.188 21.23		0.203 22.89	0.219 24.65	0.250 28.06	0.279 31.23	0.307 34.27	0.344 38.27	0.365 40.52	0.438 48.28	0.500 54.79	0.594 64.49						
12 300	12.750	0.203 27.23		0.219 29.34	0.250 33.41	0.281 37.46	0.312 47.48	0.330 43.81	0.344 45.62	0.375 49.61	0.406 53.57	0.438 57.65	0.500 65.48	0.562 73.22					
14 350	14.000	0.210 30.98		0.219 32.26	0.250 36.75	0.281 41.21	0.312 45.65	0.344 50.22	0.375 54.62	0.438 63.50	0.469 67.84	0.500 72.16	0.594 85.13						
16 400	16.000	0.219 36.95		0.250 42.09	0.281 47.22	0.312 52.32	0.344 57.57	0.375 62.64	0.438 72.86	0.469 77.87	0.500 82.85								
18 450	18.000	0.250 47.44		0.281 53.23	0.312 58.99	0.344 64.93	0.375 70.65	0.406 76.36	0.438 82.23	0.469 87.89	0.500 93.54	0.562 104.76							
20 500	20.000	0.250 52.78		0.281 59.23	0.312 65.66	0.344 72.28	0.375 78.67	0.406 84.04	0.438 91.59	0.469 97.92	0.500 104.23	0.594 123.23							

產品規範

Product Specification

- ASTM A53 結構 / 低壓配管用鍍接碳鋼鋼管 ERW Carbon Steel Pipe for Structure/Low-Pressure Plumbing
- ASTM A252 打樁用鍍接碳鋼鋼管 ERW Carbon Steel Pipe for Piling
- ASTM A500 結構用鍍接碳鋼鋼管 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		Sch20		Sch30		Sch40		Sch160		XXS		Sch120		Sch100											
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											
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										
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											
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									
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	6.9	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
			紋牙鋼管 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	
A	B	mm	厚度 Wall Thickness	單位重量 Unit Weight										
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

■ 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

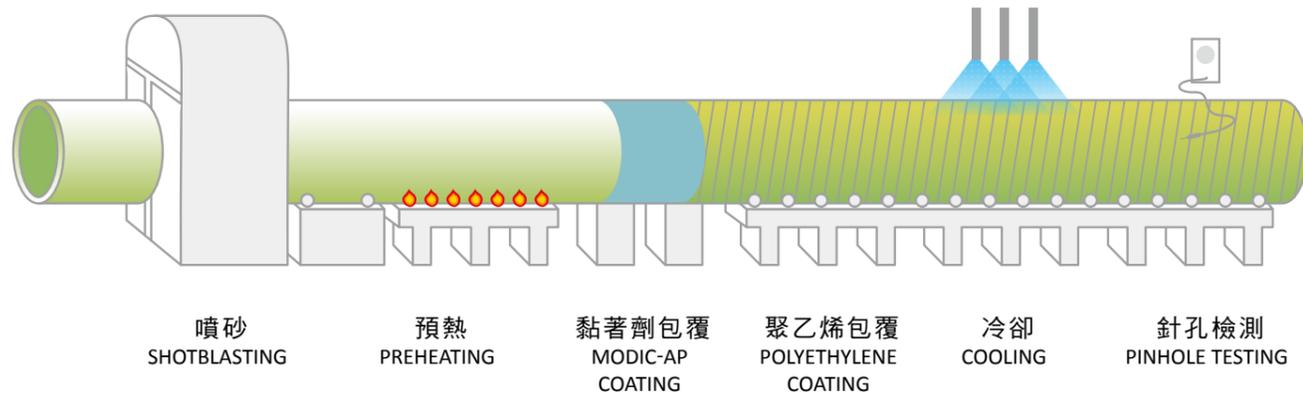
標稱尺寸 NPS		外徑 O.D.	厚度 Wall Thickness	單位重量 Unit Weight	
				mm	kg/m
A	B	mm	mm	kg/m	
50	2	60.5	2.3	3.30	
			3.2	4.52	
			4.0	5.57	
65	2½	76.3	2.8	5.08	
			3.2	5.77	
			4.0	7.13	
80	3	89.1	2.8	5.96	
			3.2	6.78	
			3.2	8.77	
100	4	114.3	3.5	9.56	
			4.5	12.2	
			5.6	15.0	
125	5	139.8	3.6	12.1	
			4.0	13.4	
			4.5	15.0	
150	6	165.2	6.0	19.8	
			4.5	17.8	
			5.0	19.8	
200	8	216.3	6.0	23.6	
			7.1	27.7	
			4.5	23.5	
250	10	267.4	5.8	30.1	
			6.0	31.1	
			7.0	36.1	
300	12	318.5	6.0	38.7	
			7.0	45.0	
			6.6	42.5	
350	14	355.6	7.0	51.2	
			8.0	57.4	
			8.2	42.1	
400	16	406.4	8.0	59.2	
			9.0	67.7	
			9.5	74.6	
450	18	457.2	9.5	88.2	
			10.0	99.5	
			12.0	132	
500	20	508.0	12.0	147	
			12.7	155	
			14.0	171	

適用種類：JIS G3444 STK
Equivalent to JIS G3444 STK

產品規範

Product Specification

■ PE 聚乙烯包覆鋼管 Polyethylene Coated Steel Pipe



鋼管 Pipe		聚乙烯 Polyethylene		
標稱尺寸 NPS	長度 Length	包覆厚度 Coating Thickness	容許公差 Tolerance	兩端包覆層去除長度 Coating Removal Length / Welded Joint
4"~6"	5.8m ~ 12.9m (19' ~ 42.5')	2.0mm (79mils)	+ ∞ / -0.4mm (+ ∞ / -16mils)	130mm (5")
8"~20"	5.8m ~ 12.9m (19' ~ 42.5')	2.5mm (98mils)	+ ∞ / -0.5mm (+ ∞ / -20mils)	150mm (6")
22"~42"	5.8m ~ 12.9m (19' ~ 42.5')	2.5mm (98mils)	+ ∞ / -0.5mm (+ ∞ / -20mils)	150mm (6")

產品特性

1. 適用溫度範圍 : +80°C ~ -45°C (+175°F ~ -50°F)
2. 耐衝擊、耐壓縮、耐磨擦
3. 良好的抗酸及抗鹼性
4. 包覆厚度均勻、不會產生針孔
5. 依 CNS 13638 G3260 國家標準與 JIS G3469 規範製造與檢驗

Features

1. Application Temperature Scope : +175°F ~ -50°F (+80°C ~ -45°C)
2. High Impact Compression and Abrasion Strength Resistance
3. Excellent Chemical Resistance
4. Thickness Uniform and Pinhole Free
5. Manufacture and Inspect Accordance with JIS G3469 and CNS 13638 G3260



公司聯絡方式

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