

BROROMA

Industrial Pipe Solutions | Since 2002

PIPE CATALOG

2025 / 2026 Edition

Seamless & Welded Steel Pipes
Specifications, Grades & Size Availability

BROROMA Co., Ltd.

11/88 Moo 20, Lam Luk Ka District, Pathum Thani 12150, Thailand

www.broroma.com | info@broroma.com

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Seamless Pipes

Hot-rolled and cold-drawn seamless pipes offering superior strength and pressure resistance.

Product Range

Material	Grades	Sizes	Schedule / WT	Standard
Carbon Steel / Low Temp	A106B, API 5L, A53B, A333, S355J2H	1/2" – 48"	SCH 40, 80, 160, XXS	ASTM A106, API 5L, ASTM A333
Stainless Steel	TP304, TP304L, TP316, TP316L, TP347H, 310S	1/4" – 24"	SCH 10S, 40S, 80S	ASTM A312
Alloy Steel	P5, P9, P11, P22, P91	1/2" – 24"	SCH 40, 80, 160, XXS	ASTM A335
Duplex Steel	S31803 / 2205, S32750 / 2507, S32205	1/2" – 24"	SCH 10S, 40S, 80S	ASTM A790

AVAILABLE LENGTHS	END FINISH	COATING OPTIONS
6m	Plain End	Bare
12m	Beveled End	Black Painted
Random Length	Threaded	Galvanized
Cut-to-Length available		Epoxy Coated

KEY STANDARDS

API 5L / ISO 3183	Line Pipe for oil, gas, and water pipelines
ASTM A106	Seamless carbon steel pipe for high-temperature service
ASTM A53	Pipe, steel, black and hot-dipped, zinc-coated, seamless
ASTM A333	Seamless steel pipe for low-temperature service
ASTM A335	Seamless ferritic alloy-steel pipe for high-temperature service
ASTM A312	Seamless austenitic stainless steel pipe
ASTM A790	Seamless ferritic/austenitic stainless steel pipe

API 5L — Grade Data

Mechanical properties and chemical composition per API Specification 5L, 46th Edition.

Mechanical Properties (PSL2)

Grade	PSL	Yield Min (MPa)	Yield Max (MPa)	Tensile Min (MPa)	Tensile Max (MPa)
Grade B	PSL1 / PSL2	241	448	414	758
X42	PSL1 / PSL2	290	496	414	758
X46	PSL1 / PSL2	317	524	434	758
X52	PSL1 / PSL2	359	531	455	758
X56	PSL1 / PSL2	386	544	490	758
X60	PSL1 / PSL2	414	565	517	758
X65	PSL1 / PSL2	448	600	531	758
X70	PSL2	483	621	565	758
X80	PSL2	552	690	621	827

Chemical Composition (max %, PSL2)

Grade	C	Mn	P	S	Ceq (IIW)
Grade B	0.24	1.20	0.025	0.015	0.43
X42	0.24	1.30	0.025	0.015	0.43
X46	0.24	1.40	0.025	0.015	0.43
X52	0.24	1.40	0.025	0.015	0.43
X56	0.24	1.40	0.025	0.015	0.45
X60	0.21*	1.40*	0.025	0.015	0.45
X65	0.18*	1.60*	0.025	0.015	0.45
X70	0.18*	1.70*	0.025	0.015	0.45
X80	0.18*	1.85*	0.025	0.015	0.45

ASTM A106 — Mechanical Properties

Grade	Min. Yield (MPa)	Min. Tensile (MPa)	Elongation
Grade A	205	330	25%
Grade B	240	415	22%
Grade C	275	485	20%

* For PSL2 grades X60 and above. Values per API Specification 5L, 46th Edition. Contact BROROMA for detailed specifications.



Seamless Pipes

Available size range — OD x wall thickness (mm)

OD	NPS	Wall Thickness (mm)																	
		2.8	3.2	3.7	4	4.8	5.2	5.5	6	6.4	7	7.9	8.4	8.7	9.5	10.3	11	12.7	14.3
21.3	1/2"																		
26.7	3/4"																		
33.4	1"																		
42.2	1 1/4"																		
48.3	1 1/2"																		
60.3	2"																		
73.0	2 1/2"																		
88.9	3"																		
101.6	3 1/2"																		
114.3	4"																		
141.3	5"																		
168.3	6"																		
219.1	8"																		
273.1	10"																		
323.9	12"																		
355.6	14"																		
406.4	16"																		
457.2	18"																		
508.0	20"																		
609.6	24"																		

Available On Request Availability subject to confirmation. Contact us for specific requirements.

Welded Pipes (ERW)

Electric Resistance Welded pipes offering excellent quality and cost-effectiveness.

Product Range

Material	Grades	Sizes	Schedule / WT	Standard
Carbon Steel / Low Temp	A106B, API 5L, A53B, A333, S355J2H	1/2" – 48"	SCH 20, 30, 40, STD	ASTM A106, API 5L, ASTM A333
Stainless Steel	TP304, TP304L, TP316, TP316L, TP347H, 310S	1/4" – 24"	SCH 10S, 40S	ASTM A312
Alloy Steel	P5, P9, P11, P22, P91	1/2" – 24"	SCH 40, 80	ASTM A335
Duplex Steel	S31803 / 2205, S32750 / 2507, S32205	1/2" – 24"	SCH 10S, 40S, 80S	ASTM A790

AVAILABLE LENGTHS

6m
12m
Random Length

END FINISH

Plain End
Beveled End

COATING OPTIONS

Bare
Black Painted
Galvanized



Welded Pipes (ERW)

Available size range — OD x wall thickness (mm)

OD	NPS	Wall Thickness (mm)																	
		2.8	3.2	3.7	4	4.8	5.2	5.5	6	6.4	7	7.9	8.4	9.5	10.3	11	12.7	14.3	15.9
21.3	1/2"	Available	Available	Available	Available														
26.7	3/4"	Available	Available	Available	Available	Available	Available												
33.4	1"	Available	Available	Available	Available	Available	Available	Available	Available	Available									
42.2	1 1/4"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available						
48.3	1 1/2"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available						
60.3	2"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available		
73.0	2 1/2"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
88.9	3"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
114.3	4"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
168.3	6"	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
219.1	8"		Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
273.1	10"			Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
323.9	12"				Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
355.6	14"					Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
406.4	16"						Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
457.2	18"							Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
508.0	20"								Available	Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
559.0	22"									Available	Available	Available	Available	Available	Available	Available	Available	Available	Available
609.6	24"										Available	Available	Available	Available	Available	Available	Available	Available	Available
762.0	30"											Available	Available	Available	Available	Available	Available	Available	Available
914.4	36"												Available	Available	Available	Available	Available	Available	Available
1016.0	40"													Available	Available	Available	Available	Available	Available
1219.2	48"															Available	Available	Available	Available

Available On Request Availability subject to confirmation. Contact us for specific requirements.

Applications

Our pipes serve critical industries across the globe.

1

Power Generation

High-pressure piping for thermal and nuclear power plants. Boiler tubes, steam lines, and heat exchanger tubing for energy infrastructure.

2

Oil & Gas

Upstream, midstream, and downstream applications including drilling, production, transportation, and refining. Line pipe for onshore and offshore pipelines.

3

Petrochemical

Chemical processing and refining operations. Process piping, furnace tubes, and reactor components for harsh chemical environments.

4

Water Treatment

Municipal and industrial water systems. Distribution networks, treatment plant piping, and desalination systems.

5

Construction

Structural and mechanical piping systems. Piling, structural columns, scaffolding, and general construction applications.

6

Shipbuilding & Marine

Marine-grade piping for vessels, offshore platforms, and port facilities. Corrosion-resistant solutions for saltwater environments.

Let's Talk About What You Need

Tell us your grade, size, and quantity —

we'll respond within 24 hours.

CONTACT US

Email

info@broroma.com

Phone

+66 2 123 4567

Website

www.broroma.com

Address

11/88 Moo 20, Lam Luk Ka District,

Pathum Thani 12150, Thailand