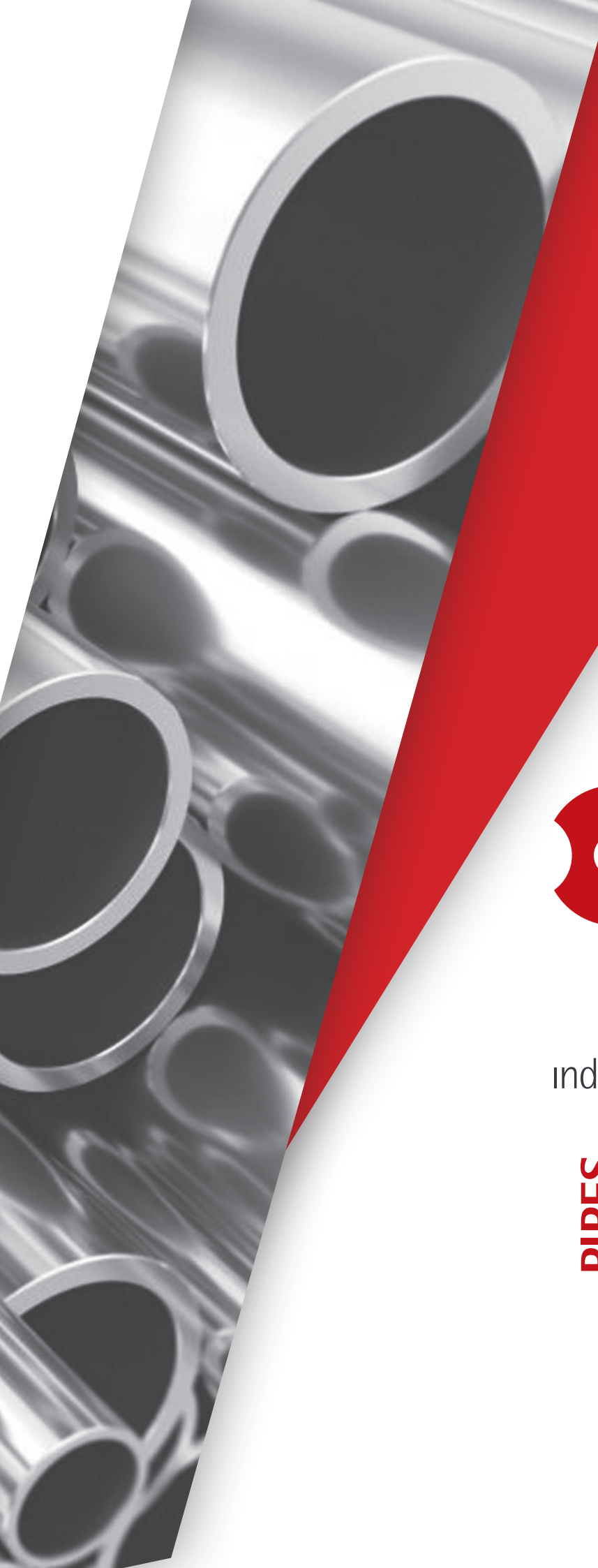
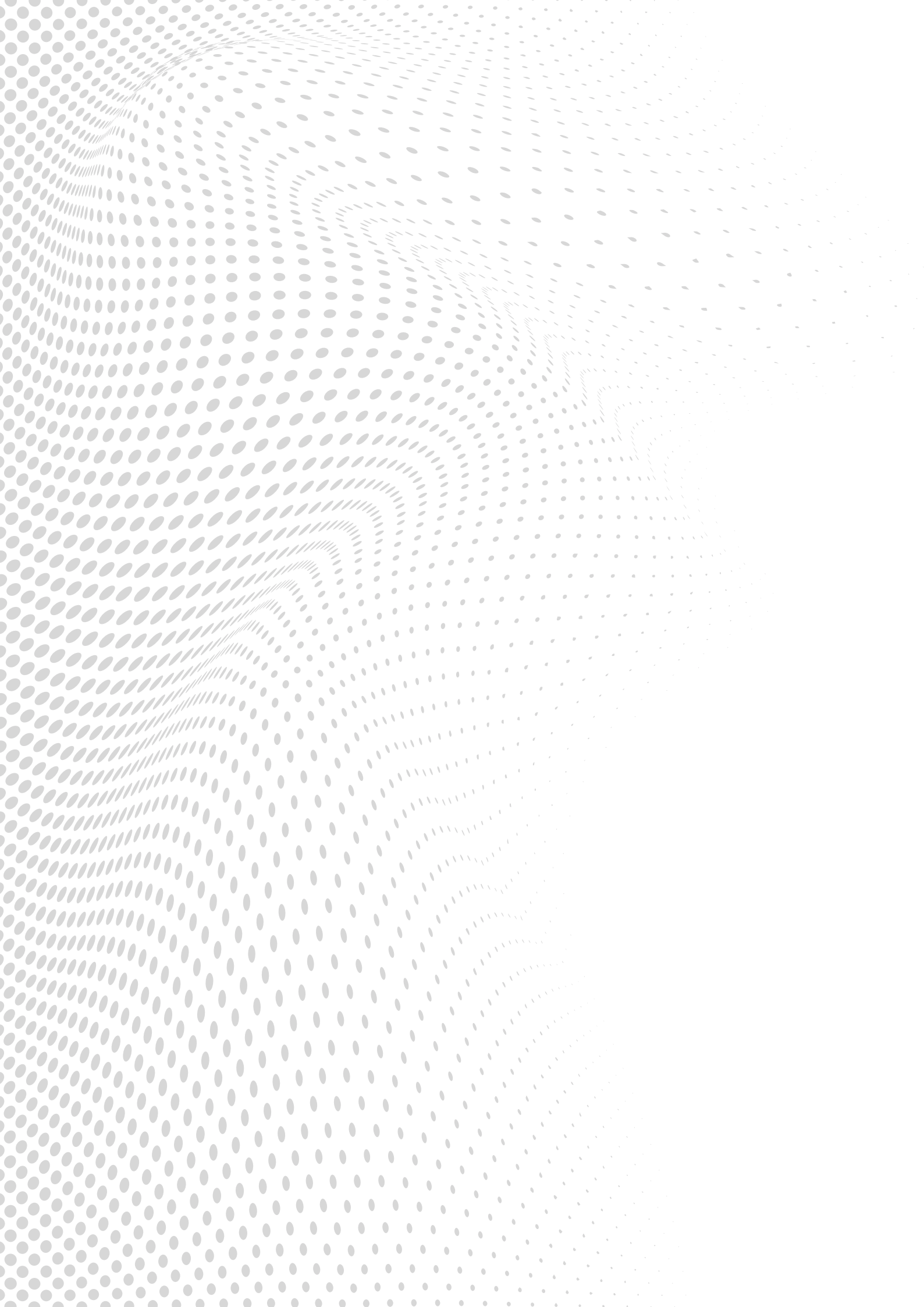




MCV

industrial valves, pipes & fittings

**PIPES
AND ACCESSORIES**
CATALOGUE



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DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

AISI / ASTM / DIN / JIS / SUS / EN

APPLICATION

Bridge, Boiler, Shipbuilding, Armor, Automobile, Roof, Electrician

MATERIALS

SURFACE TREATMENT

No. 1,2b no 4,8k mirror or according to customer requirement

MATERIAL

201, 202, 304L, 316, 316L, 317L, 347H, 310s, 309S,
430, 904L, 2205, 2507

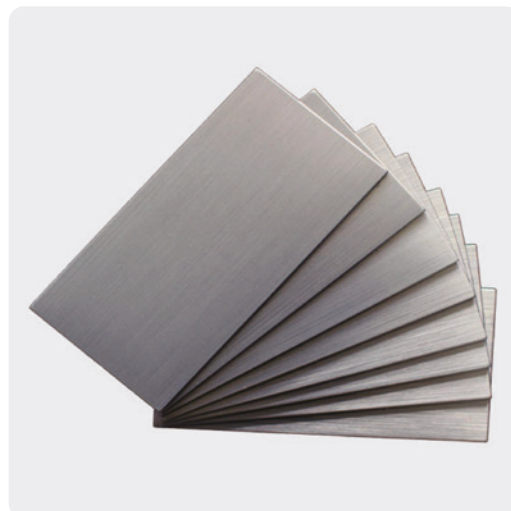
DIMENSION (MM)

LENGHT / WIDTH

3mm - 2000mm or as required

THICKNESS

0.1mm - 300mm or as required



DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Construction, Kitchenware, Tableware, Vehicles, Household appliances

MATERIALS

SURFACE TREATMENT

No. 1, 2b no 4, 8k mirror or according to customer requirement

MATERIAL

201, 202, 304, 304L, 316, 316L, 317L, 347H, 310s, 309S,
430, 904L, 2205, 2507

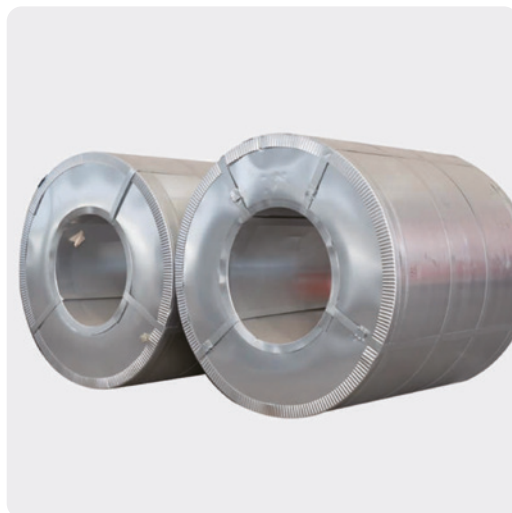
DIMENSION (MM)

LENGHT / WIDTH

3mm - 2000mm or as required

THICKNESS

0.1mm - 300mm or as required





DESCRIPTION

FEATURES

Pickling
Rolling at room temperature
Process lubrication
Annealing
Flattening
Precision cutting
Packaging

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Automobile, aviation, machinery, construction, automobile, roof, electrician

MATERIALS

SURFACE TREATMENT

No. 1, 2b no 4, 8k mirror or according to customer requirement

MATERIAL

201, 202, 304L, 316, 316L, 317L, 347H, 310s, 309S,
430, 904L, 2205, 2507

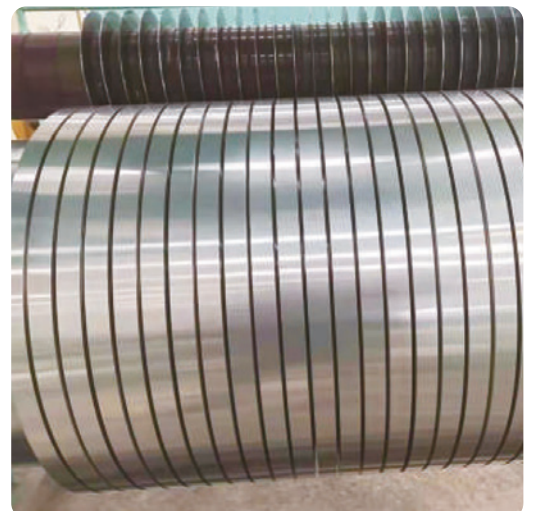
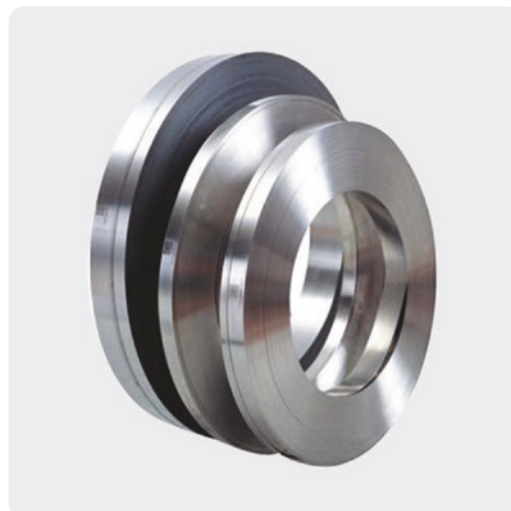
DIMENSION (MM)

LENGTH / WIDTH

3mm - 2000mm or as required

THICKNESS

0.1mm - 300mm or as required



DESCRIPTION

FEATURES

High precision
High temperature oxidation resistance
Low hardness
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Petroleum, chemical, medical, food, light industry, mechanical instrumentation

MATERIALS

SURFACE TREATMENT

No. 1, 2B, Polish, Hairline, No. 4, Mirror, etc..

MATERIAL

201, 202, 304, 304L, 316, 316L, 317L, 347H,
310s, 309S, 430, 904L, 2205, 2507

DIMENSION (MM)

WALL THICKNESS

1mm - 150mm (SCH10 - XXS)

OUTER DIAMETER

6mm - 2500mm (3/8" - 100")





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Hardware and kitchenware, Ship building, Petrochemical, Machinery, Medicine, Food

MATERIALS

SURFACE TREATMENT

Black, peeled, polishing, bright, hairline, etc

MATERIAL

201, 202, 304, 304L, 316, 316L, 317L, 347H,
310s, 309S, 430, 904L, 2205, 2507

DIMENSION (MM)

LENGHT / WIDTH

2m, 5m, 6m or as required

THICKNESS

0.1mm - 500mm or as required



DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
High wear resistance
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Building beams, bridges, power transmission, towers, lifting and transporting machinery

MATERIALS

SURFACE TREATMENT

Black, polishing, bright, sand blast, hairline

MATERIAL

201, 202, 301, 302, 303, 304, 304L, 304H, 3105, 316, 316L, 317L, 321, 310S, 3098, 410, 410, 420, 430, 431, 440A, 904L, etc.

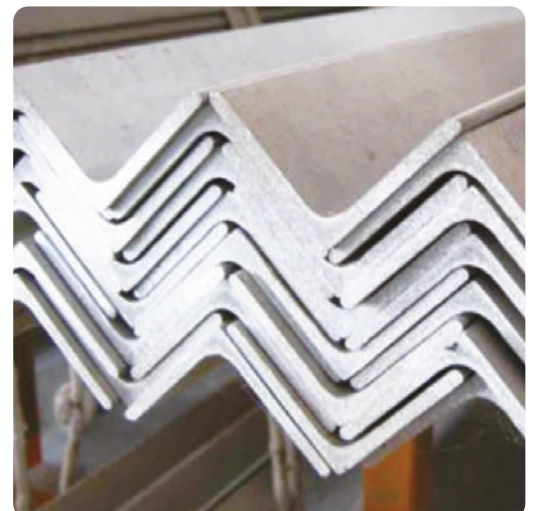
DIMENSION (MM)

WALL THICKNESS

2m, 5m, 6m or as required

DIMENSIONS

1mm - 150mm (SCH10 - XXS)





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Building beams, bidges, transmission, towers, ships, industrial furnaces

MATERIALS

SURFACE TREATMENT

Black, peeled, polishing, bright, hairline, etc.

MATERIAL

201, 202, 304, 304L, 316, 316L, 317L, 347H,
310s, 309S, 430, 904L, 2205, 2507

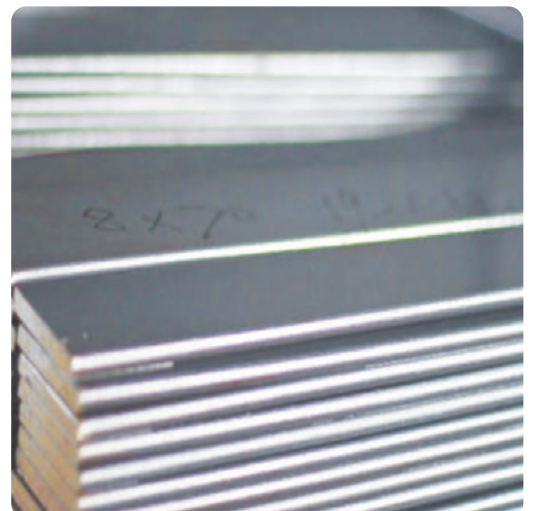
DIMENSION (MM)

LENGHT

2m, 5m, 6m or as required

DIAMETER

0.1mm - 500mm or as required



DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

AISI / ASTM / DIN / JIS / GB / SUS / EN

APPLICATION

Building structures, vehicle manufacturing and other industrial structures

MATERIALS

SURFACE TREATMENT

Black, polishing, bright, sand blast, hairline

MATERIAL

201, 202, 301, 302, 303, 304, 304L, 304H, 3105, 316, 316L, 317L, 321, 310S, 3098, 410, 410, 420, 430, 431, 440A, 904L, etc.

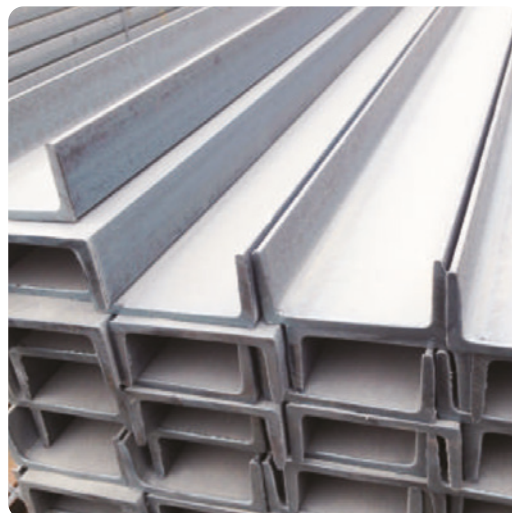
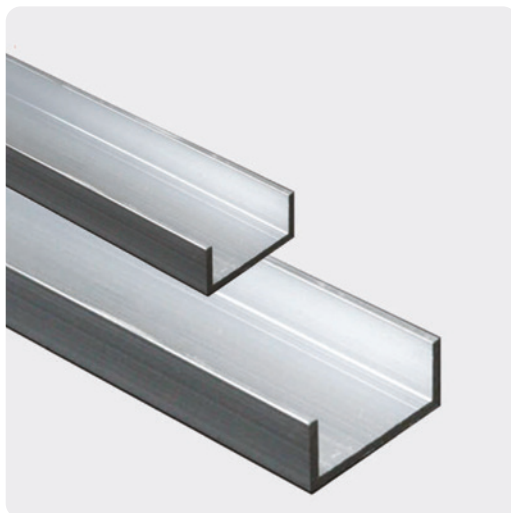
DIMENSION (MM)

LENGHT

2m, 5m, 6m or as required

DIMENSIONS

1mm - 150mm (SCH10 - XXS)





DESCRIPTION

CLASSIFICATION

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

JIS G3302, ASTM A653M, EN10327, DIN17162, EN 10142, EN 10147, EN 10292, JIS G3302

APPLICATION

Construction, home appliances, vehicles and ships, container manufacturing, electromechanical industry

MATERIALS

SURFACE TREATMENT

Galvanized, PVC, black and color painting, transparent oil, anti-rust oil

GRADE

DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z, S2206D+Z, DX51D+Z / SGCC / A653, etc.

ZINC COATING

40 - 600 / m²

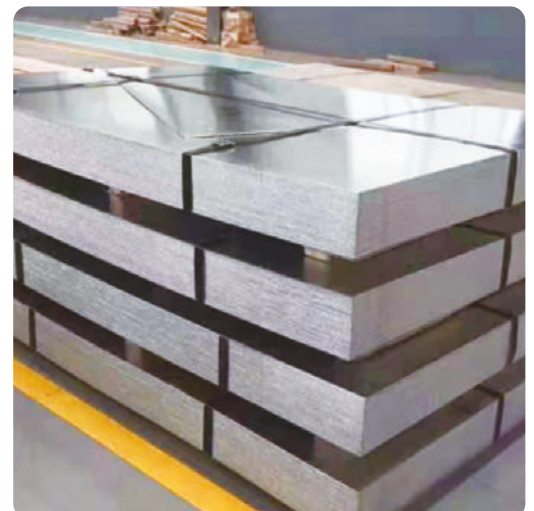
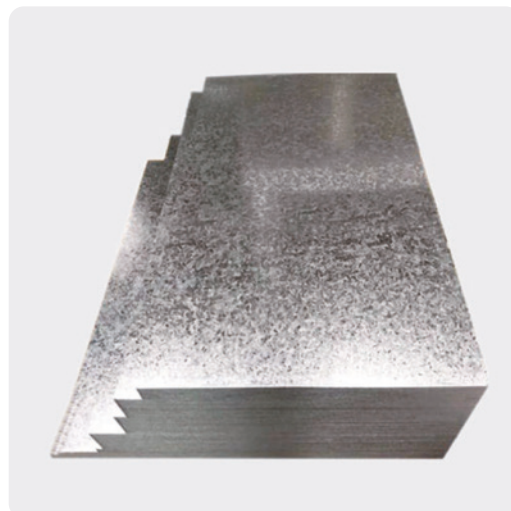
DIMENSION (MM)

WIDTH

600 - 1250 mm or as required

THICKNESS

0.20 - 6.0 mm or as required



 DESCRIPTION**CLASSIFICATION**

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

JIS G3302, ASTM A653M, EN10327, DIN17162, EN 10142, EN 10147, EN 10292, JIS G3302

APPLICATION

Construction, home appliances, vehicles and ships, container manufacturing, electromechanical industry

 MATERIALS**SURFACE TREATMENT**

Galvanized, PVC, black and color painting, transparent oil, anti-rust oil

GRADE

DX51D+Z, DX52D+Z, DX53D+Z, DX54D+Z, S220GD+Z, DX51D+Z / SGCC / A653, etc.

ZINC COATING

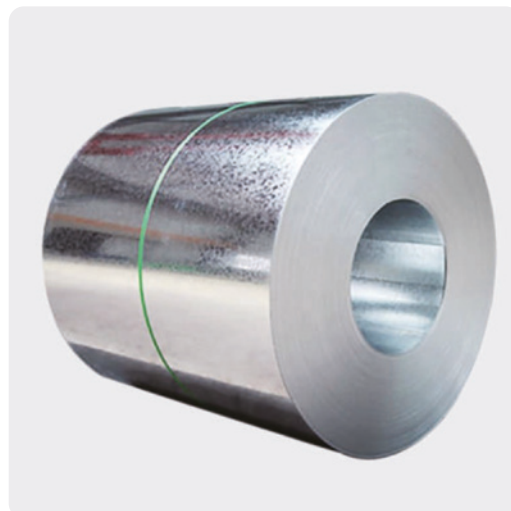
40 - 600 / m²

 DIMENSION (MM)**WIDTH**

600 - 1250 mm or as required

THICKNESS

0.20 - 6.0 mm or as required





DESCRIPTION

CLASSIFICATION

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

API 5L, ASTM A53-2007, ASTM A671-2006, ASTM A252-1998, ASTM A450-1996, ASME B36.10M-2004, ASTM A523-1996, BS EN10296, BS 6323, BS 6363

APPLICATION

Construction, machinery, coal mine, chemical industry, electricity

MATERIALS

MATERIAL

10#, 20#, 45#, 16Mn, A53(A B), Q235, Q345, Q195, Q215, St37, St42, St37-2, St35.4, St52.4, ST35

ZINC COATING

40 - 600 / m²

DIMENSION (MM)

OUTER DIAMETER

6mm - 2500mm (3/8" - 100") or as required

WALL THICKNESS

1mm - 150mm (SCH10 - XXS) or as required



DESCRIPTION

CLASSIFICATION

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

ASTM B209, JIS H4000-2006, GB/T 3190-2008, GB/T 3880-2006, etc.

APPLICATION

Building appearance, interior decoration, ceiling, wall, furniture, cabinet, elevator

MATERIALS

SURFACE TREATMENT

Wire drawing, oxidation, PS, mirror surface, embossing, etc.

MATERIAL

1000 SERIES	1050, 1060, 1070, 1100
2000 SERIES	2024 (2A12), LY12, LY11, 2A11, 2A14 (LD10), 2017, 2A17
3000 SERIES	3A21, 3003, 3103, 3004, 3005, 3105
4000 SERIES	4A03, 4A11, 4A13, 4A17, 4004, 4032, 4043, 4043A, 4047
5000 SERIES	5052, 5083, 5754, 5005, 5086, 5182
6000 SERIES	6063, 6061, 6060, 6351, 6070, 6181, 6082, 6A02
7000 SERIES	7075, 7050, 7A04, 7472, 7475

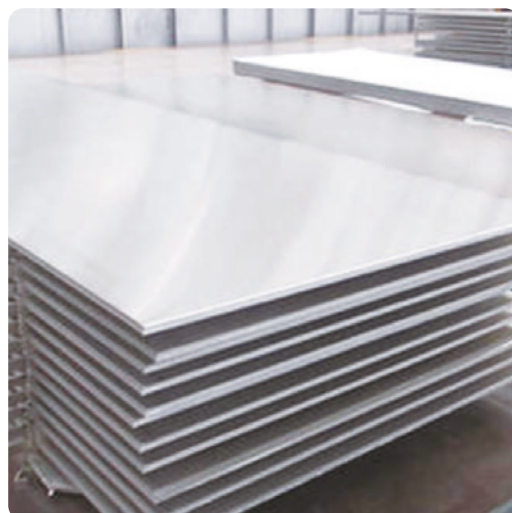
DIMENSION (MM)

LENGHT

2000 mm, 2440 mm, 6000 mm or as required

THICKNESS

0.2 mm - 300 mm or as required





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

ASTM A53 / ASTM A573 / ASTM A283 /GB T 700-2006 / GB T711-2008 / JIS G3101
JIS G3131 / JIS 63106

APPLICATION

Building components, containers, boxes, furnaces and agricultural machinery

MATERIALS

SURFACE TREATMENT

Black, galvanized, coated, oiled, painting, etc.

MATERIAL

Q195, Q215, Q235B, Q345B, S235JR, S355JR, SS400, etc.

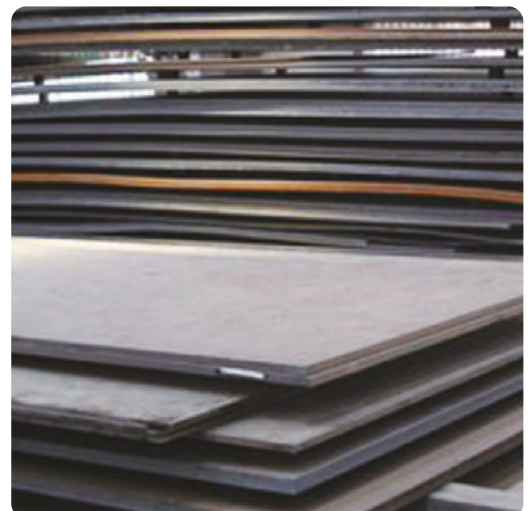
DIMENSION (MM)

WIDTH

1.5 m - 3 mm or as required

THICKNESS

0.1 mm - 300 mm or as required



 DESCRIPTION**FEATURES**

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

ASTM A53 / ASTM A573 / ASTM A283 /GB T 700-2006 / GB T711-2008 / JIS G3101
JIS G3131 / JIS 63106

APPLICATION

Building components, containers, boxes, furnaces and agricultural machinery

 MATERIALS**SURFACE TREATMENT**

Black, galvanized, coated, oiled, painting, etc.

MATERIAL

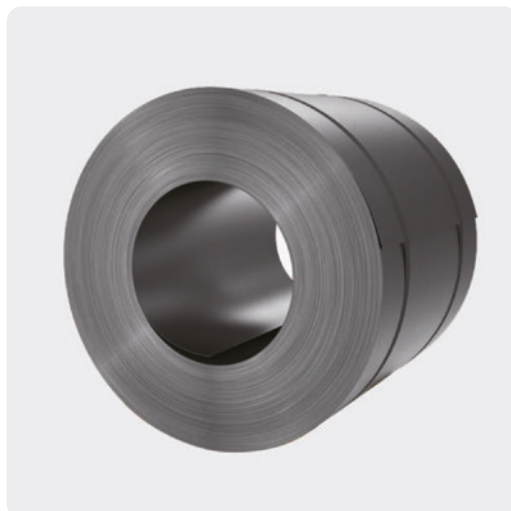
Q195, Q215, Q235B, Q345B, S235JR, S355JR, SS400, etc.

 DIMENSION (MM)**WIDTH**

1.5 m - 3 mm or as required

THICKNESS

0.1 mm - 300 mm or as required





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

JIS G3303 / GB T2520-2000 / ASTM A623 / BS EN 10202

APPLICATION

Food and beverage, packaging materials, grease tanks, chemical tanks

MATERIALS

SURFACE TREATMENT

Black, galvanized, coated, oiled, painting, etc.

MATERIAL

Q195, Q215, Q235B, Q345B, S235JR, S355JR, SS400, etc.

COATING (G/M2)

1.1 / 1.1 / 2.8 / 2.8 / 5.6 / 5.6

TEMPER

T1, T2, T3, T4, T5, DR7, DR8, DR9, TH550, TH580, TH620, TH660

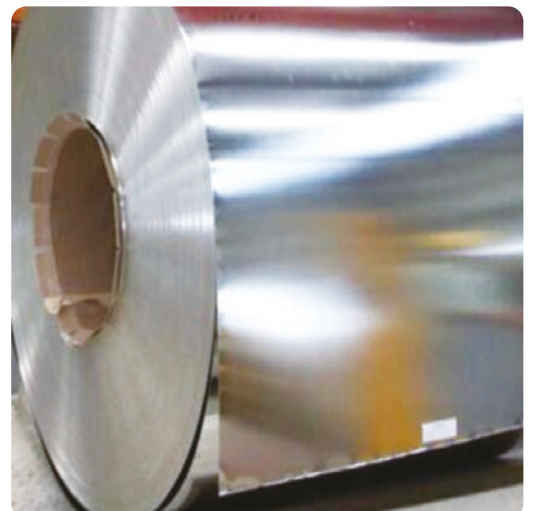
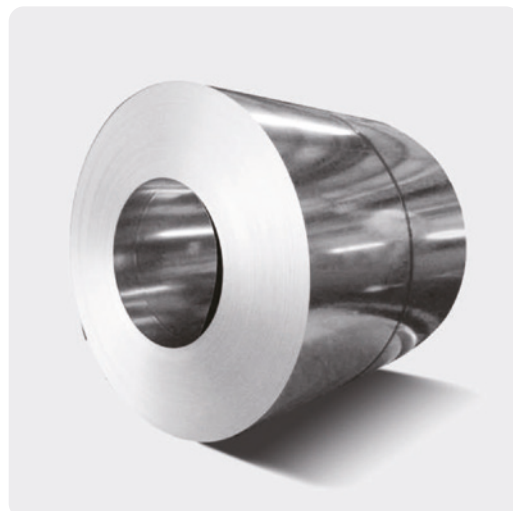
DIMENSION (MM)

WIDTH

600 - 1200 mm or as required

THICKNESS

0.137 - 0.7 mm (tolerance $-/+ 0.01$)



DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

API 5L / GrB ASTM A106 / GrB ASTM A53 / ASTM A106 / ASTM A53 / API 5L B / ASTM A179 / ASTM A210 / ANSI B36.10

APPLICATION

Bridge, boiler, ship building, armor, automobile, roof, electrician

MATERIALS

SURFACE TREATMENT

Bare, black varnished, oiled

MATERIAL

A53(A.B), A106 (A. B).0345,16Mn, 10#, 20#, 45#, S235JR, S355JR, ASTM A252, Gr.2, Gr.3, ST37, ST42, ST52, GrB, X42, X46, X52, X5, X6, X65, X70, etc

DIMENSION (MM)

OUTER DIAMETER

13.7 mm - 1219.2 mm

WALL THICKNESS

2.11 mm - 59.54 mm





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

GB T3091-2001 / BS 1387-1985 / DIN EN10025 / EN10219 / JIS G3444:2004 / ASTM A53 / SCH40 80 STD / BS EN10255-2004

APPLICATION

Petroleum, chemical, light industry, pharmaceutical, mining

MATERIALS

MATERIAL

Q195 / Q215 / Q235 / Q345 / S235JR / GR. B-D STK500

LENGHT

1M, 4M, 6M, 8M, 12M

DIMENSION (MM)

OUTER DIAMETER

219 mm - 3620 mm or as required

WALL THICKNESS

0.6 mm - 20 mm or as required



 DESCRIPTION**FEATURES**

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

STANDARD

GB T3091-2001 / BS 1387-1985 / DIN EN10025 / EN10219 / JIS G3444:2004 / ASTM A53 / SCH40 80 STD / BS EN10255-2004

APPLICATION

Machinery, cars, bicycles, furniture, machinery

 MATERIALS**MATERIAL**

Q195 / Q215 / Q235 / Q345 / S235JR / GR. B-D STK500

LENGHT

1M, 4M, 6M, 8M, 12M

 DIMENSION (MM)**OUTER DIAMETER**

219 mm - 3620 mm or as required

WALL THICKNESS

0.6 mm - 20 mm or as required





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

CLASSIFICATION

Monel / Inconel / Hastelloy / Nickel

STANDARD

APISL / ASTM A106 Gr.B / ASTM A53 Gr.B / ASTM A179 / A192 / A213 / A210 / 370WP91/ WP11

APPLICATION

Bridges, ships, vehicles, boilers, high-pressure vessels, oil and gas pipelines, large steel structures

MATERIALS

SURFACE TREATMENT

Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE

MATERIAL

20#, A53B, A106B, API 5L, ST37.0, ST35.8, St37.2, St35.4/8, St42, St45, St52, St52.4, STP G38, STP G42, STPT42, STB42

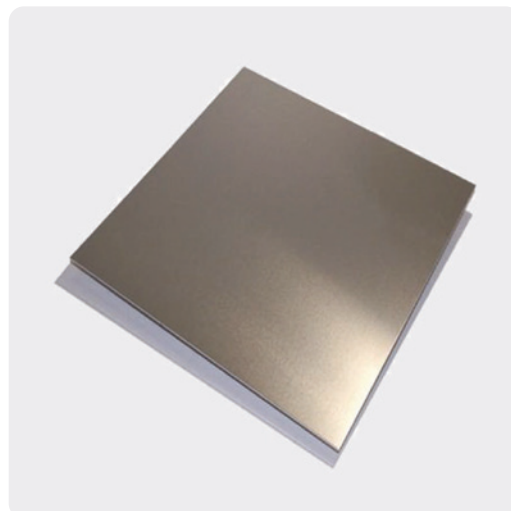
DIMENSION (MM)

LENGTH

2 m - 3.5 m or as required

THICKNESS

0.1 mm - 300 mm or as required



DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

CLASSIFICATION

Monel / Inconel / Hastelloy / Nickel

STANDARD

APISL / ASTM A106 Gr.B / ASTM A53 Gr.B / ASTM A179 / A192 / A213 / A210 / 370WP91/ WP11

APPLICATION

Petroleum, aerospace, chemical industry, electric power, boiler, military industry

MATERIALS

SURFACE TREATMENT

Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE

MATERIAL

20#, A53B, A106B, API 5L, ST37.0, ST35.8, St37.2, St35.4/8, St42, St45, St52, St52.4, STP G38, STP G42, STPT42, STB42

DIMENSION (MM)

OUTER DIAMETER

20 mm - 6000 mm or as required

WALL THICKNESS

50 mm - 600 mm or as required





DESCRIPTION

FEATURES

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

CLASSIFICATION

Monel / Inconel / Hastelloy / Nickel

STANDARD

APISL / ASTM A106 Gr.B / ASTM A53 Gr.B / ASTM A179 / A192 / A213 / A210 / 370WP91/ WP11

APPLICATION

Bridge/Boiler/Shipbuilding/Armor, automobile/Roof/Electrician

MATERIALS

SURFACE TREATMENT

Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE

MATERIAL

20#, A53B, A106B, API 5L, ST37.0, ST35.8, St37.2, St35.4/8, St42, St45, St52, St52.4, STP G38, STP G42, STPT42, STB42

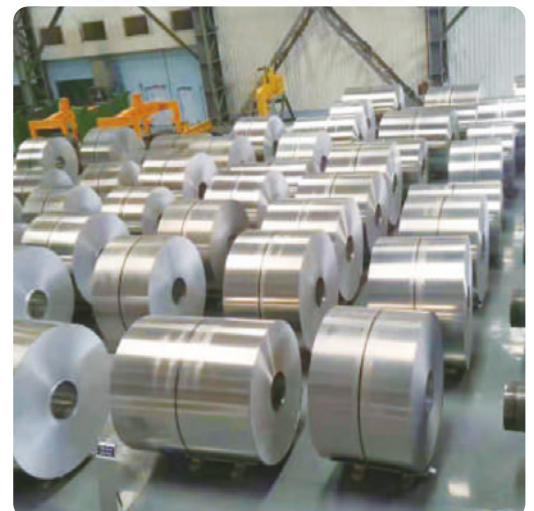
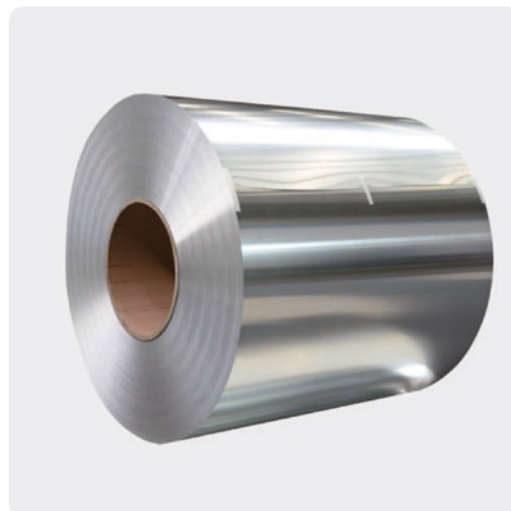
DIMENSION (MM)

WIDTH

1.5 m - 3.5 m or as required

THICKNESS

0.1 mm - 300 mm or as required



 DESCRIPTION**FEATURES**

Corrosion resistance
High temperature oxidation resistance
Stable when exposed to heat
Machinable

CLASSIFICATION

Monel / Inconel / Hastelloy / Nickel

STANDARD

APISL / ASTM A106 Gr.B / ASTM A53 Gr.B / ASTM A179 / A192 / A213 / A210 / 370WP91/ WP11

APPLICATION

Food, electricity, energy, building decoration, nuclear power, aerospace, military industry

 MATERIALS**SURFACE TREATMENT**

Black painting, varnish paint, anti rust oil, hot galvanized, cold galvanized, 3PE

MATERIAL

20#, A53B, A106B, API 5L, ST37.0, ST35.8, St37.2, St35.4/8, St42, St45, St52, St52.4, STP G38, STP G42, STPT42, STB42

 DIMENSION (MM)**DIAMETER**

20 mm - 6000 mm or as required

LENGHT

2 m - 6 mm or as required





INTERNATIONAL STEEL PIPE MATERIAL GRADE COMPARISON

STEEL GRADE	GB	JIS	ASTME		DIN		
CARBON STEEL PIPE	Q235	GGP STPY41	G3452 G3457	A53-F A283-D	St33	1.0033	DIN1626
	10	STPG38	G3454	A135-A A53-A	St37	1.0110	DIN 1626
		STPG38	G3456	A106-A	St37-2	1.0112	DIN 17175
		STS38	G3455	-	St35.8 St35.4	1.0305 1.0309	DIN 1629/4
		STB30	G3461	A179-C A214-C	St35.8	1.0305	DIN 17175
		STB33	G3461	A192 A226	St35.8	1.0305	DIN 17175
		STB35	G3461	-	St35.8	1.0305	DIN 17175
	20	STPG42	G3454	A315-B A53-B	St42 St42-2	1.0130 1.0132	DIN 1626
		STPT42	G3456	A106-B	St45-8	1.0405	DIN 17175
		STB42	G3461	A106-B	St45-8	1.0405	DIN 17175
		STS42	G3455	A178-C A210-A-1	St45-4	1.0309	DIN 1629/4
LOW TEMPERATURE ALLOY TUBE	16Mn	STS49 STPT49	G3455 G3456	A210-C	St52.4 St52	1.0832 1.0831	DIN 1629/4 DIN 1629/3
	16MnV	STBL39	G3464	-	-	-	-
	16Mn	STPL39	G3460	A333-1.6	TT St35N	1.0356	SEW 680
	15MnV	STBL39	G3464	A334-1.6			
	09Mn2V	-	-	A333-7.9 A334-7.9	TT St35N	1.0356	SEW 680
	06A1NbCuN	STPL46 STBL	G3460 G3464	A333-3.4 A334-3.4	10Ni14	1.5637	SEW 680
	20Mn23A1	-	-	A333-8 A334-8	X8Ni9	1.5662	SEW 680
	16Mo	STPA12	G3458	A335-P1 A369-FP1	15Mo3	1.5414	DIN 17175
		STBA12; 13	G3462	A250-T1 A209-T1	15Mo3	1.5414	DIN 17175
	12CrMo	STBA20	G3462	A355-P2 A369-FP2 A213-T2	-	-	-
	15CrMo	STPA22	G3458	A335-P12 A369-FP12	13CrMo44	1.7335	DIN 17175
LOW TEMPERATURE STEEL PIPE	16Mn	STPL39	G3460	A333-1.6	TT St35N	1.0356	SEW 680
	15MnV	STBL39	G3464	A334-1.6			
	09Mn2V	-	-	A333-7.9 A334-7.9	TT St35N	1.0356	SEW 680
	06A1NbCuN	STPL46 STBL	G3460 G3464	A333-3.4 A334-3.4	10Ni14	1.5637	SEW 680
	20Mn23A1	-	-	A333-8 A334-8	X8Ni9	1.5662	SEW 680
	16Mo	STPA12	G3458	A335-P1 A369-FP1	15Mo3	1.5414	DIN 17175
		STBA12; 13	G3462	A250-T1 A209-T1	15Mo3	1.5414	DIN 17175
	12CrMo	STBA20	G3462	A355-P2 A369-FP2 A213-T2	-	-	-

STEEL GRADE	GB	JIS	ASTME		DIN		
HEAT RESISTANT STEEL PIPE	12Cr1MoV	STBA22	G3462	A213-T12	-	-	-
		STPA23	G3458	A355-P11 A369-FP12	-	-	-
		STBA23	G3462	A199-T11 A213-P11	-	-	-
	Cr2Mo 10MoWVNb	STPA24	G3458	A335-P22 A369-FP22	10CrMo910	1.7380	SEW610
		STBA24	G3462	A199-T22 A213-T22	10CrMo910	1.7380	SEW610
	Cr5Mo	STPA25	G3458	A335-P5 A389-FP5	12CrMo195	1.7362	DIN 17175
		STBA25	G3462	A213-T5			
		STPA26	G3458	A335-P9 A369-FP9			
		STBA26	G3462	A199-T9 A213-T9			
	1Gr13	SUS410 TP	G3463	A268 TP410	X10Cr13	1.4006	DIN 17440
STAINLESS STEEL ACID RESISTANT PIPE	2Cr13	-	-	SISI 420	X20Cr13	1.4021	DIN 17440
	1Cr17	SUS430 TB	G3463	A268 TP430 / P429	X8Cr17	1.4016	DIN 17400
	0Cr18Ni9	SUS304 TP / TB	G3459 G3463	A312; A376; TP304 A213; A249; A268 TP304	X5CrNi189	1.4301	DIN 17440
	1Cr18Ni9	-	-	-	X5CrNi189	1.4301	DIN 17440
	0Cr18Ni10Ti 1Cr18Ni9Ti	SUS321 TP/TB	G3459 G3463	A312; A376; TP321 A213; A249; A266 TP321	X10CrNiTi189	1.4541	DIN 17440
	0Cr18Ni13Mo2Ti	SUS316 TP/TB	G3459 G3463	A312; A376; TP316 A213; A249; A266 TP316	-	-	-
	0Cr18Ni13Mo3Ti	SUS317 TP/TB	G3459 G3463	A312; A376; TP316 A213; A249; A268 TP317	-	-	-
	00Cr18Ni10	SUS304L TP/TB	G3459 G3463	A312; A376; TP34L A213; A249; A268 TP304L	X2CrNi189	1.4306	DIN 17440
	00Cr17Ni13Mo2	SUS316L TP/TB	G3459 G3463	A312; A376; TP316L A213; A249; A268 TP316L	X2CrNi810	1.4404	DIN 17440
	00Cr17Ni13Mo3	SUS317L TP/TB	G3459 G3463	A312; A376; TP317L A213; A249; A268 TP317L	-	-	-



CARBON STEEL MATERIAL GRADE COMPARISON

GB	DIN	W-Nr.	NF	ISO	JIS	SS	BS	ASTM
Q195	S185	1.0035	S185	HR2	-	-	S185	A285M Gr. B
A1, B1	st33		A33				140A10	
Q215A	USt34-2	1.0028	A34	HR1	SS330	1370	040A12	A283M Gr. C
					SS34			
A215B	RSt34-2	1.0034	A34-2NE	-	-	-	-	A573M Gr. 58
A2, C2								
Q235A	S235JR	1.0037	S235JR	Fe 360A	SS 400	1311	S235JR	A570 Gr. A
					SS 41			
Q235B	S235JRG1	1.0036	S235JRG1	Fe 360D	-	1312	S235JRG1	A570 Gr. D
Q235C	S235JRG2	1.0038	S235JRG2	-	-	-	S235JRG2	A283M Gr. D
	St 37-2		E24-2				40B, C	
	USt 37.2		E24-2NE				-	
	RSt 37.2		-				-	
Q235D	-	-	-	-	-	-	-	-
A3, C3								
Q255A	St44-2	1.0044	E28-2	-	SM 400A	1412	43B	A709M Gr. 36
Q255D	-	-	-	-	SM400B	-	-	-
A4, C4					SM 41A			
					SM 41B			
Q275	S275J2G3	1.0144	S275J2G3	Fe 430A	SS490	1430	S275J2G3	-
C5	S275J2G4	1.0145	S275J2G4		SS50		S275J2G4	
	St44-3N	1.0055	-		-		43D	
05F	D6-2	1.0314	-	-	-	-	015A03	1005
08F	USt4	1.0336	-	-	S9CK	-	-	≈ 1008
08	-	-	XC6	-	-	-	040A04	1008
							050A04	
10F	USt13	-	-	-	-	-	-	≈ 1010
10	C10	1.0301	C10	-	S10C	1265	040A10	1010
	Ck10	1.1121	XC10				045M10	
15	C15	1.0401	C12	-	S15C	1350	040A15	1015
	Ck15	1.1141	XC15			1370	080M15	
20	C22E	1.1151	C22E	-	S20C	1435	C22E	1020
	Ck22		XC18				070M20	
25	C25E	1.1158	C25E	C25E4	S25C	-	C25E	1025
	Ck25		XC25				070M26	

STAINLESS STEEL MATERIAL COMPOSITION TABLE

garde	C	Si	Mm	P	S	Ni	Cr	Mo
201	≤ 0.15	≤ 0.75	5.5 - 7.5	≤ 0.06	≤ 0.03	3.5 - 5.5	16.0 - 18.0	-
202	≤ 0.15	≤ 1.0	7.5 - 10.0	≤ 0.06	≤ 0.03	4.0 - 6.0	17.0 - 19.0	-
301	≤ 0.15	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	6.0 - 8.0	16.0 - 18.0	-
302	≤ 0.15	≤ 1.0	≤ 2.0	≤ 0.035	≤ 0.03	8.0 - 10.0	17.0 - 19.0	-
304	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	8.0 - 10.5	18.0 - 20.0	-
304L	≤ 0.03	≤ 1.0	≤ 2.0	≤ 0.035	≤ 0.03	9.0 - 13.0	18.0 - 20.0	-
309S	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	12.0 - 15.0	22.0 - 24.0	-
310S	≤ 0.08	≤ 1.5	≤ 2.0	≤ 0.035	≤ 0.03	19.0 - 22.0	24.0 - 26.0	-
316	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	10.0 - 14.0	16.0 - 18.0	2.0 - 3.0
316L	≤ 0.03	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	12.0 - 15.0	16.0 - 18.0	2.0 - 3.0
321	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.35	≤ 0.03	9.0 - 13.0	17.0 - 19.0	-
630	≤ 0.07	≤ 1.0	≤ 1.0	≤ 0.35	≤ 0.03	3.0 - 5.0	15.5 - 17.5	-
631	≤ 0.09	≤ 1.0	≤ 1.0	≤ 0.30	≤ 0.035	6.5 - 7.75	16.0 - 18.0	-
904L	≤ 2.0	≤ 0.045	≤ 1.0	≤ 0.35	-	23.0 - 28.0	19.0 - 23.0	4.0 - 5.0
2205	≤ 0.03	≤ 1.0	≤ 2.0	≤ 0.30	≤ 0.02	4.5 - 6.5	22.0 - 23.0	3.0 - 3.5
2507	≤ 0.03	≤ 0.8	≤ 1.2	≤ 0.35	≤ 0.02	6.0 - 8.0	24.0 - 26.0	3.0 - 5.0
2520	≤ 0.08	≤ 1.5	≤ 2.0	≤ 0.45	≤ 0.03	0.19 - 0.22	0.24 - 0.26	-
410	≤ 0.15	≤ 1.0	≤ 1.0	≤ 0.35	≤ 0.03	-	11.5 - 13.5	-
430	≤ 0.12	≤ 0.75	≤ 1.0	≤ 0.40	≤ 0.03	≤ 0.60	16.0 - 18.0	-



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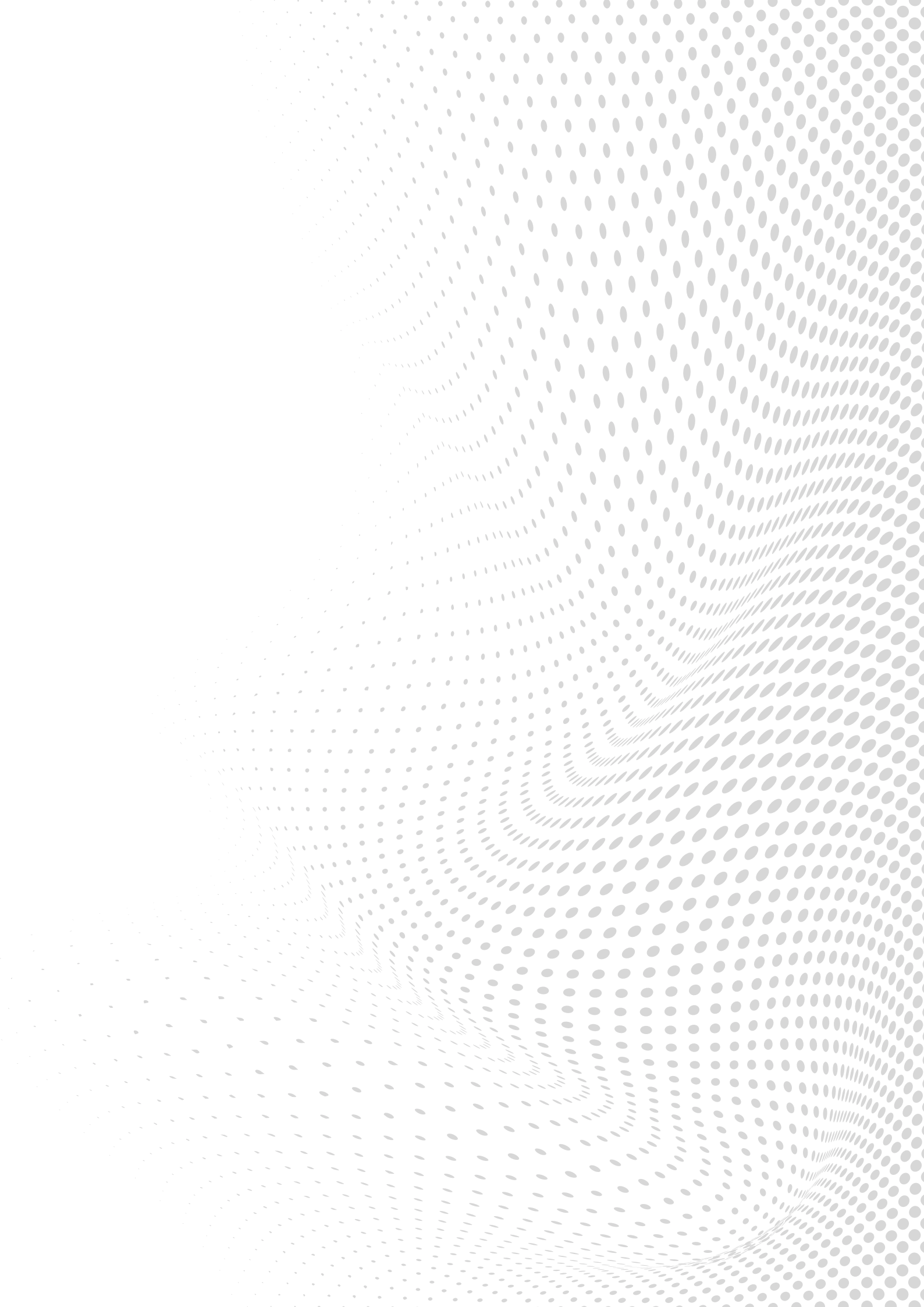
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