

04

SHANGHAI METAL CORPORATION

- COMPANY OVERVIEW
- Overview
- Purpose
- Vision
- Mission Statement
- Core Values
- Goals



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PRODUCT RANGE

- Stainless Steel (Precision) Strip
- Stainless Steel Coil/Sheet
- Stainless Steel Pipe/Tube
- Stainless Steel Bar
- Stainless Steel Wire



- Factory Production Storage

STAINLESS STEEL

ADVANCED EQUIPMENT

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- Packaging Labels

QUALITY CONTROL

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Shanghai Metal Corporation

www.shanghaimetal.com

Shanghai Metal Corporation is an integrated manufacturer, exporter and supplier of value added Metal Products, Building systems, Shipping containers, and Machinery

OVERVIEW

MISSION STATEMENT

To maintain Long Lasting Relationships with our clients, and always dedicate our efforts to create Quality Products and Reliable Service, while building Global Value through our belief in Environmental Stewardship and Sustainability

To lead the market in both material manufacturing and process innovation

PURPOSE

CORE VALUES

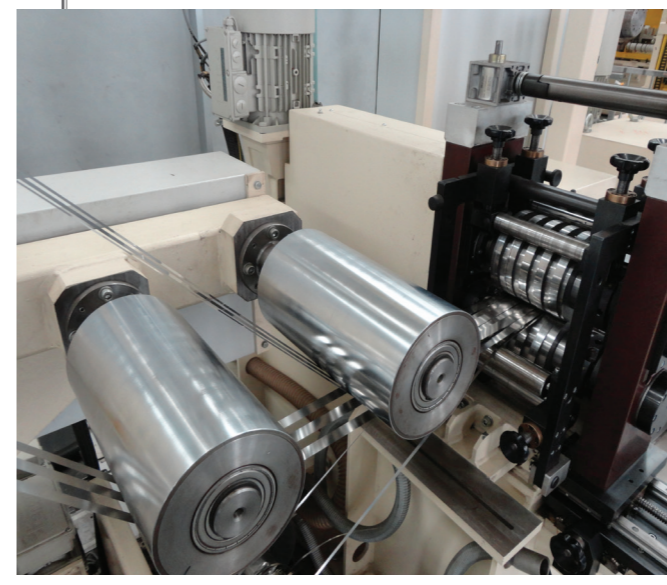
Fair and Transparent Management – Provide clients with only the highest quality products – Continuous Innovation – Environmental Stewardship and Sustainability

To be world class through

VISION

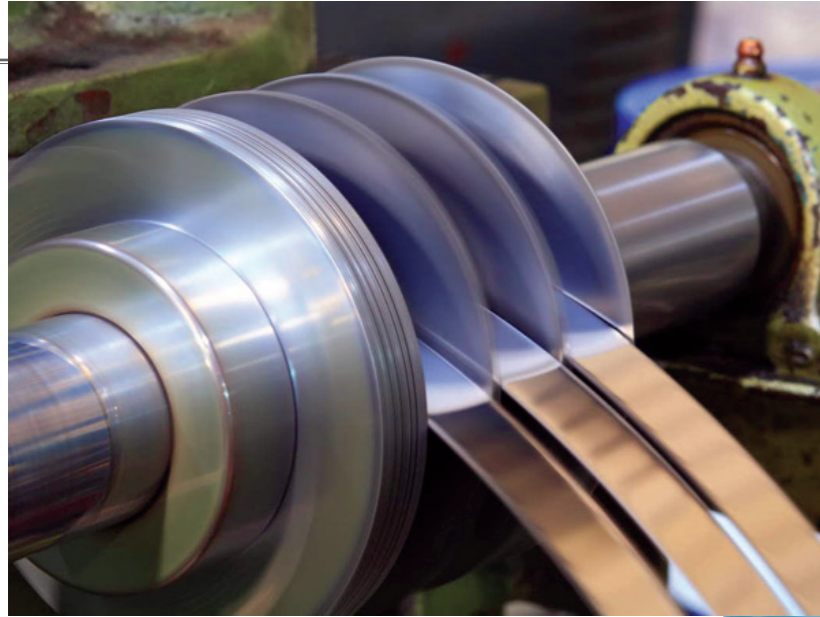
GOALS

Maintain customer relationships through our belief in a customer driven culture – Lead the Market through Constant Innovation of our Operation Methods – To provide clients with only the Highest Quality Products through using the Latest developments in Technology and Processes



INTRODUCTION

We stock a comprehensive range of grade, and sizes of stainless steel strip to cover most machining and structural applications. We as a manufacturer and exporter provide the Stainless Steel Strips in all customized prices so as to suit the preferences of our clients and delivered within a stipulated time frame. In order to cater to the specific requirements of our clients, we are offering these stripes in different specifications. These are exported at economical prices and are at par with the international quality standards.



SPECIFICATIONS

GRADE	THICKNESS	WIDTH
200,300,400 series	0.02~0.5mm	3~610mm

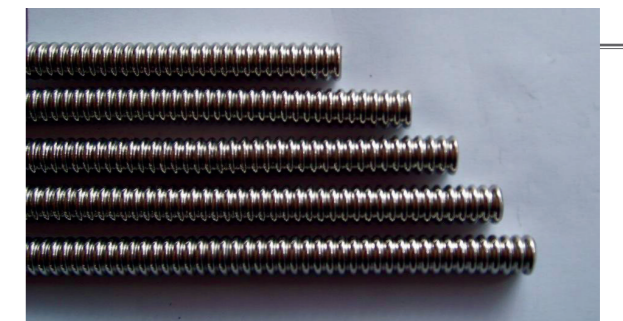
CHARACTERISTICS

Contents	Precision Stainless Steel Strip	Cold-rolled Stainless Steel Strip
Range specification	0.02~0.5mm	Thickness \geq 0.3mm
Thickness Tolerance	Thickness \leq 0.1mm \pm 2.5 μ m Thickness \leq 0.5mm \pm 5 μ m	Thickness \leq 0.6mm \pm 40 μ m Thickness \leq 1.0mm \pm 50 μ m
Uniformity of hardness	Range \pm 10HV	No requests
Width Tolerance	Width \leq 30mm \pm 0.015mm Width \leq 100mm \pm 0.03mm Width \leq 250mm \pm 0.05mm Width \leq 610mm \pm 0.1mm	Width \leq 1524mm +5mm
Straightness	1~2 IU	3IU minimum
The burr height and edge quality	Thickness 0.02~0.1mm \leq 6% Thickness 0.1~0.5mm \leq 5% Special requirements	Thickness 0.4mm Burr height 0.03mm Thickness 3.0mm Burr height 0.09mm No special requirements

APPLICATIONS

Stainless steel strip is widely used in Aero-space, automobile accessories, electronics, medical devices, IT, cell phone, chemistry, textile solar cells, welding materials and many special need fields, such as helicopter couples' connecting parts, cylinder liner, electrical punching plate, medical needle, photo etching, cell phone shell, textile hook, diamond blade, optical cable protect tube, corrugated tube, spring and ultra hard material, button cell battery solar cells substrate, flux-cored welding wires and so on.

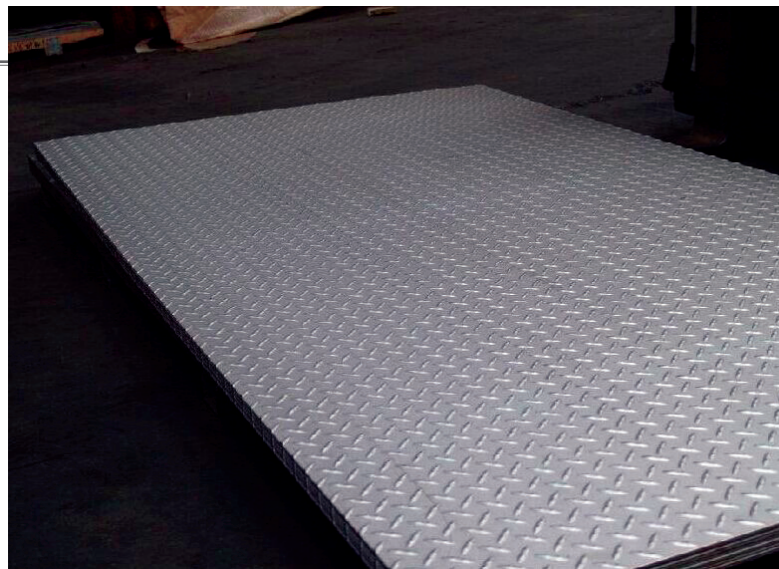
APPLICATIONS



INTRODUCTION

Serious working attitudes, high working efficiency, and outstanding work are the essence of the Company's growth principle. We can provide with best Stainless Steel Coils and thoughtful after-service.

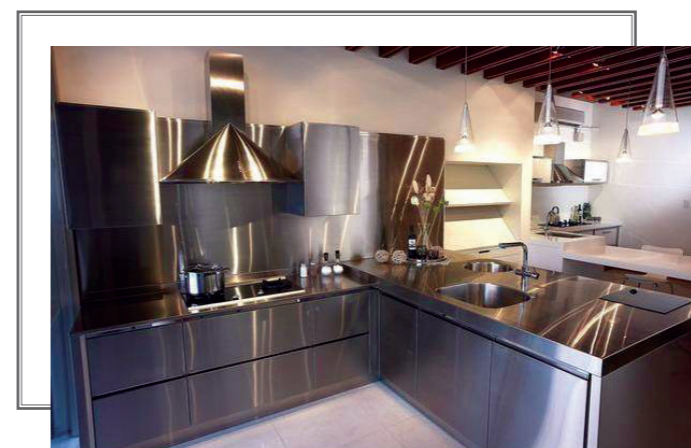
Our qualitative gamut of Stainless Steel Coils reflects the innovative designs and sophisticated technologies used in the fabrication by our adept team of professionals. These coils are fabricated using high quality stainless steel and are used for different purposes in various sectors. In order to attain utmost client satisfaction, we offer our stainless steel coils in various standard sizes, shapes, breadth and width as detailed by our customers.



SPECIFICATIONS

SIZE CHART	GRADE	200 300 400 series									
	SURFACE	2B/NO.4/HL				NO/1					
	WIDTH(mm)	1000	1220	1250	1500	1524	1000	1220	1500	1524	
Thickness (mm)	0.3mm										
	0.4mm	•	•	•							
	0.5mm	•	•	•							
	0.6mm	•	•	•							
	0.7mm	•	•	•							
	0.8mm	•	•	•	•	•					
	0.9mm	•	•	•	•	•					
	1.0mm	•	•	•	•	•					
	1.2mm	•	•	•	•	•					
	1.5mm	•	•	•	•	•					
	2.0mm	•	•	•	•	•					
	2.5mm	•	•	•	•	•					
	3.0mm	•	•	•	•	•		•	•	•	
	4.0mm				•	•		•	•	•	
	4.5mm				•	•		•	•	•	
	5.0mm				•	•		•	•	•	
	6.0mm				•	•		•	•	•	
	8.0mm							•	•	•	
	9.0mm							•	•	•	
	10.0mm							•	•	•	
12.0mm							•	•	•		
ABOVE							•	•	•		

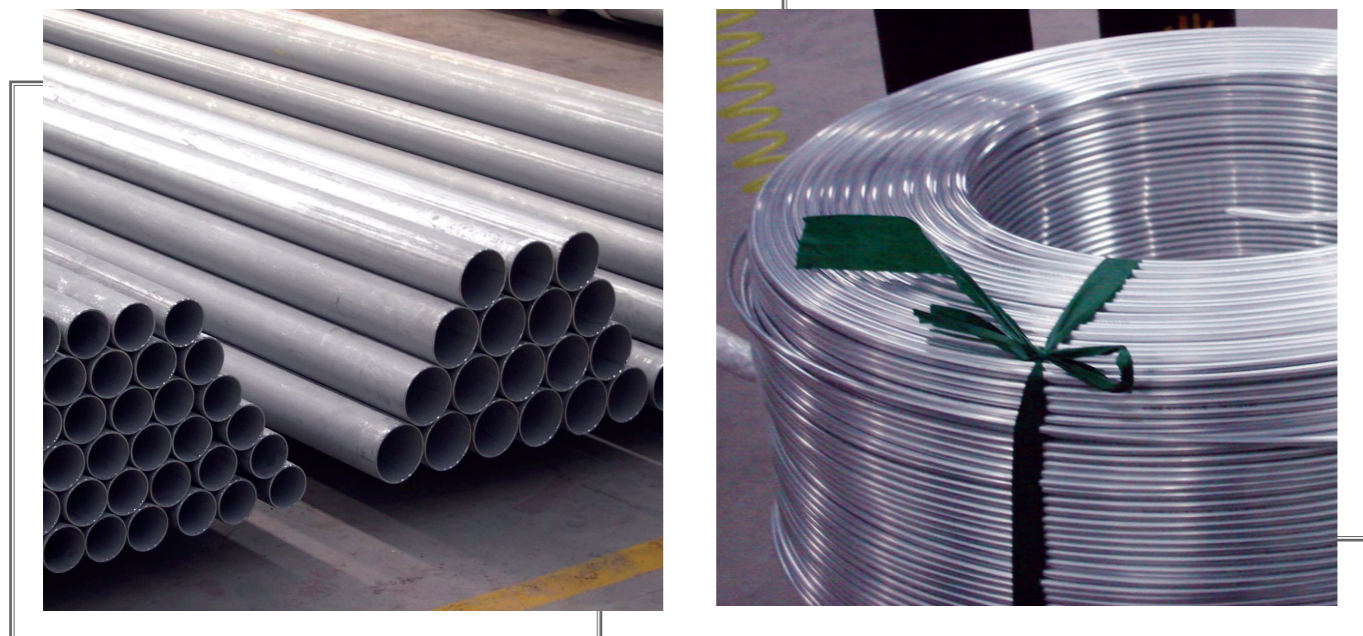
APPLICATIONS



INTRODUCTION

Our Stainless Steel Pipes/Tubes are intricately designed and embroidered with premium quality of threads. All the staff will serve the old and new customers with best products and the best service.

We use advance technology to process these Stainless Steel Pipes and assure our clients about the optimum performance. We offer precision engineered stainless steel pipes made from high grade stainless steel. Our pipes are acknowledged for its durability, sophisticated design and corrosion resistance. We efficiently serve our clients with wide range of stainless steel pipes in various dimensions, shapes and sizes.



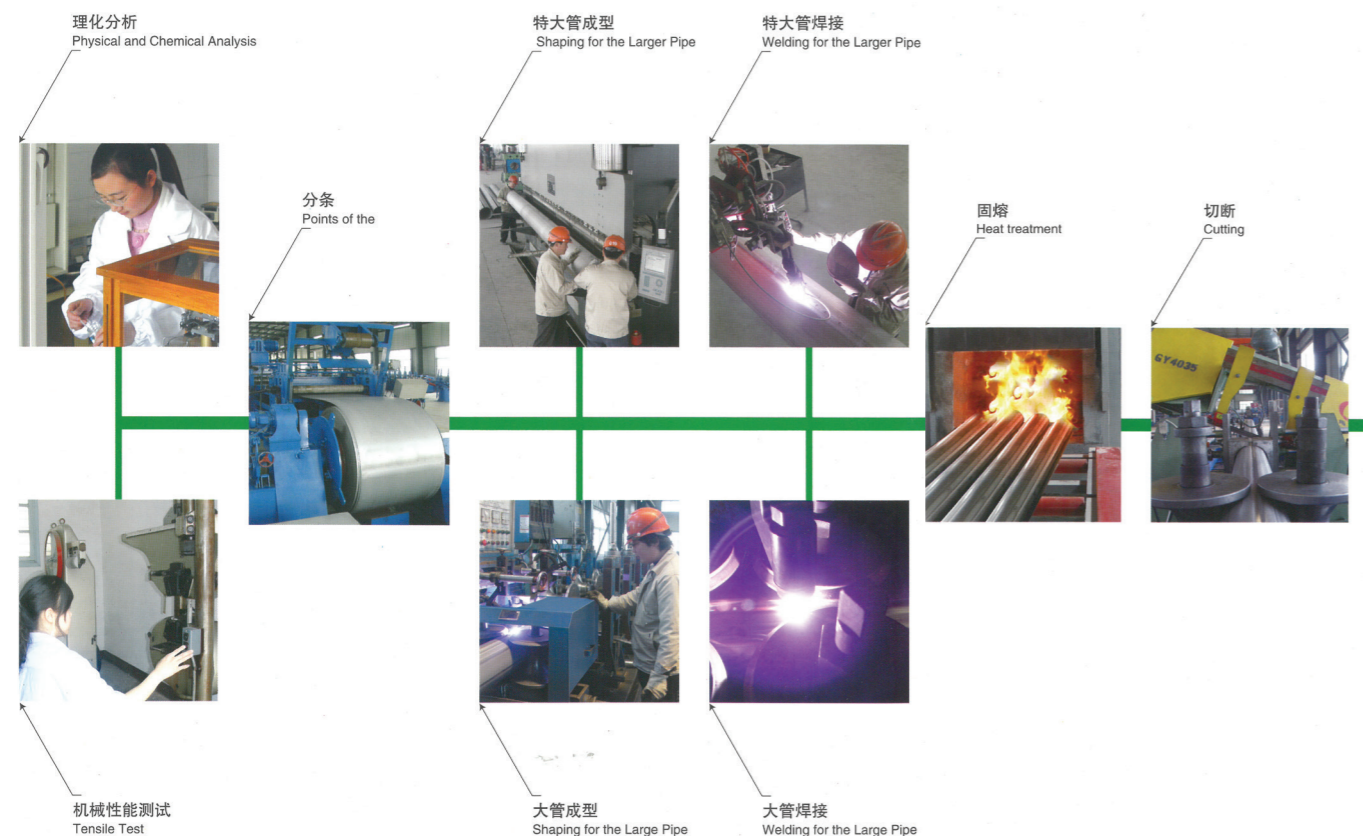
PRODUCTION LINE

Seamless pipes and tubes



PRODUCTION LINE

Welded pipes and tubes



INTRODUCTION

Our Stainless Steel Bars are available in vibrant colors, sizes and shapes with attractive embroidery. Therefore, we are sincerely looking forward to bringing long-term cooperation with both state-owned and foreign enterprises.

The Stainless Steel Bars are known for its longer functionality, reliability, dimensional accuracy, easy operations and low maintenance. The bars are sourced from reliable vendors ensuring high durability, tensile strength and resistivity to adverse conditions. They include stainless steel round bars and stainless steel flat bars meeting the requisite of the applications.



SPECIFICATIONS

NAME	DIAMETER mm	LENGTH mm	STANDARD
HR Round	8.0 - 280	2000 - 6000	GB/JIS/AISI
CR Round	2.0 - 100	1000 - 6000	GB/JIS/AISI
Square	4*4 - 100*100	1000 - 6000	GB/JIS/AISI
Hexagon	7*7 - 75*75	1000 - 6000	GB/JIS/AISI
Flat	3.0*25 - 9.0*120	1000 - 6000	GB/JIS/AISI
Angle	4*4 - 100*100	1000 - 6000	GB/JIS/AISI
Channel	6.0# - 20.0#	1000 - 6000	GB/JIS/AISI

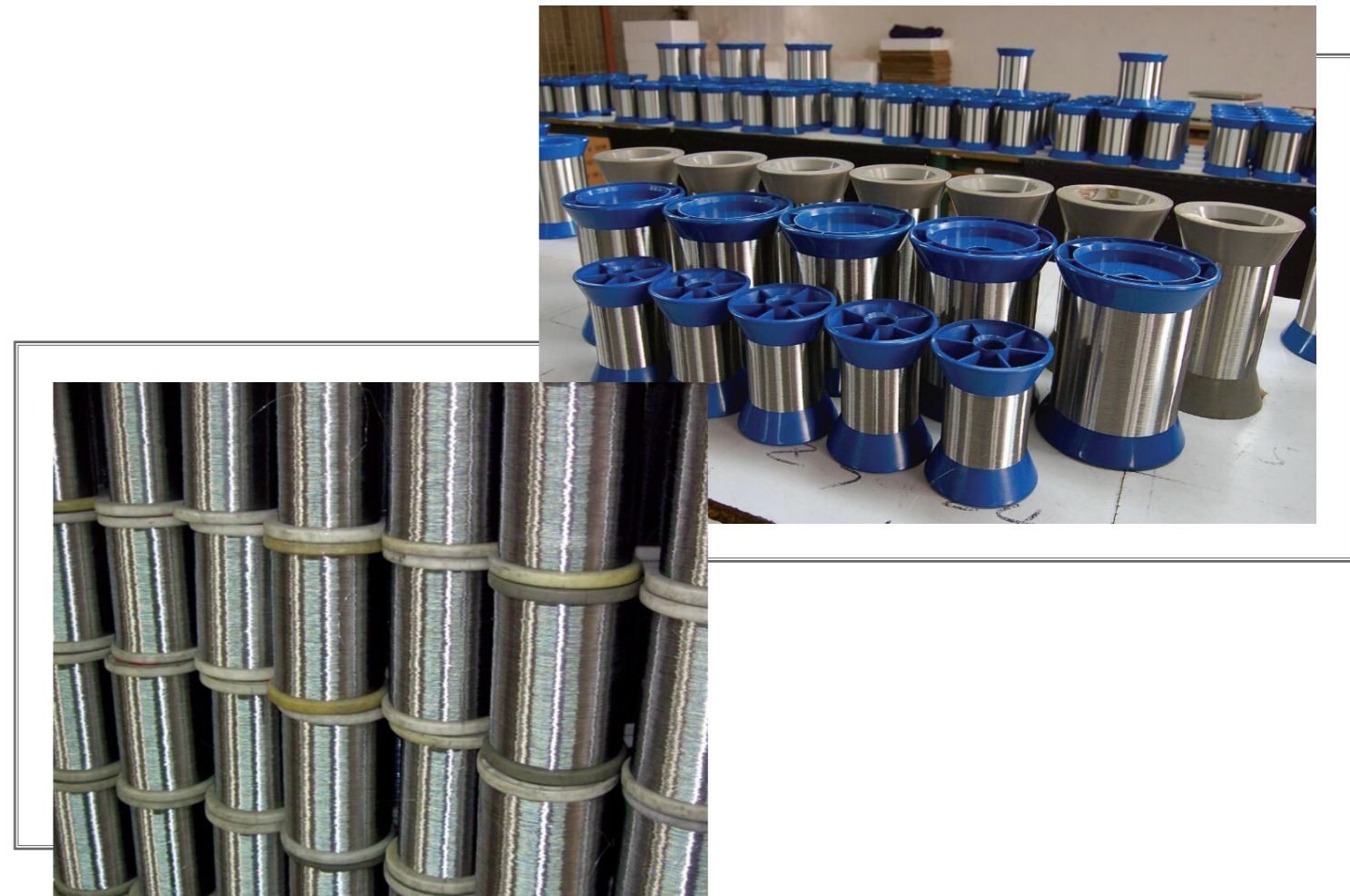
APPLICATIONS

- Construction field, ships building industry
- Petroleum & chemical industries, war and electricity industries
- Food processing and medical industry
- Boiler heat exchanger, machinery and hardware fields

INTRODUCTION

With advanced science and technology, our company develops and manufactures various kinds of Stainless Steel Wire. Both new and old customers at home and abroad are welcomed to visit our company!

Stainless steel wire we manufactured is today used in various fields in our society, like as home-use commodities, OA machines, communication apparatus, automobile parts, and even aerospace application, acquiring high reliance and reputation.



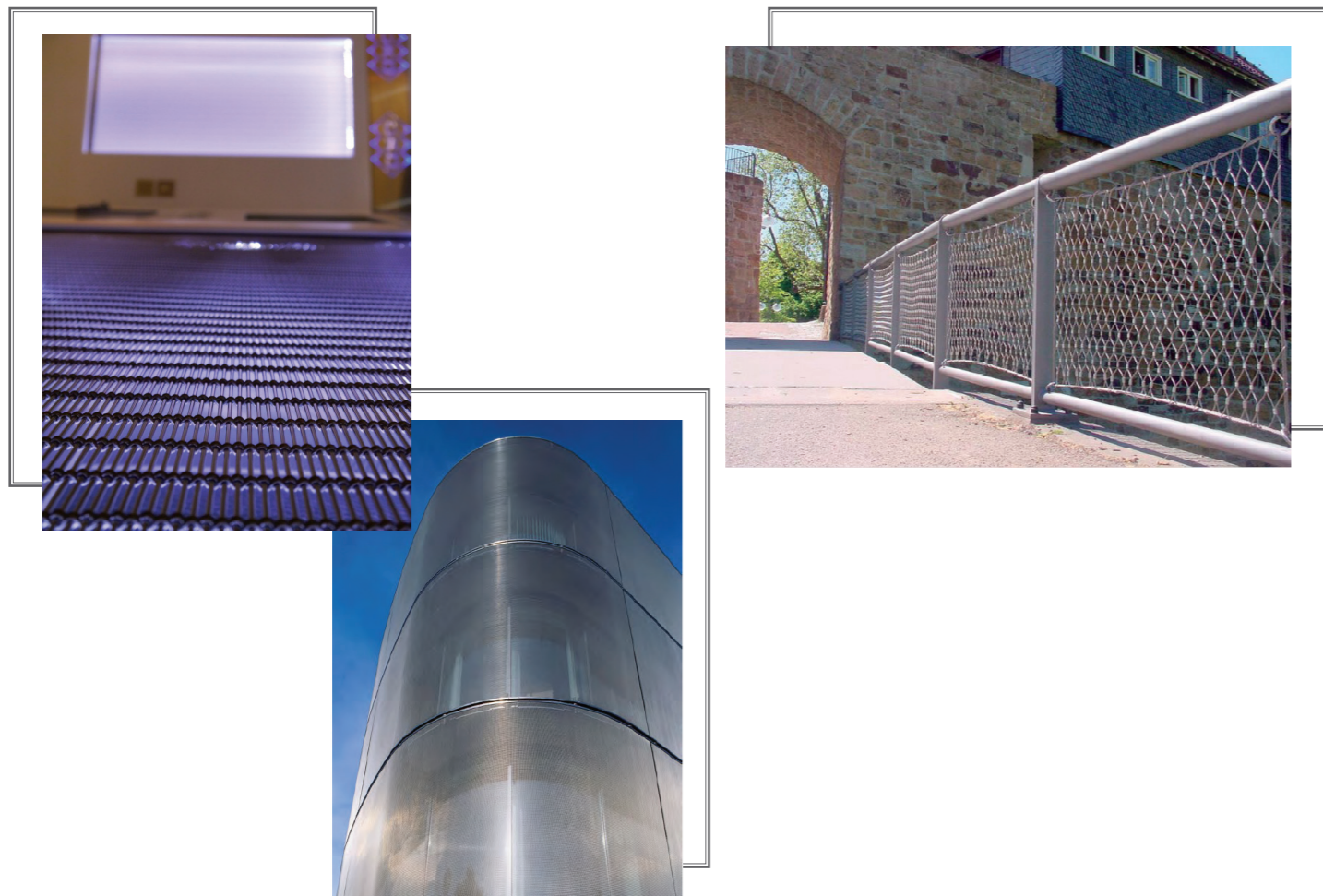
SPECIFICATIONS

DIAMETER (mm)	TOLERANCE (mm)	MAX TOLERANCE (mm)
0.020-0.049	±0.001	0.001
0.050-0.074	±0.002	0.002
0.075-0.089	±0.002	0.002
0.090-0.109	±0.002	0.002
0.110-0.169	±0.003	0.003
0.170-0.184	±0.004	0.004
0.185-0.199	±0.004	0.004
0.-0.299	±0.005	0.005
0.300-0.310	±0.006	0.006
0.320-0.499	±0.006	0.006

SPECIFICATIONS

Wire Gauge Size	SWG (mm)	BWG (mm)	Metric (mm)
8	4.06	4.19	4
9	3.66	3.76	-
10	3.25	3.4	3.5
11	2.95	3.05	3
12	2.64	2.77	2.8
13	2.34	2.41	2.5
14	2.03	2.11	-
15	1.83	1.83	1.8
16	1.63	1.65	1.65
17	1.42	1.47	1.4
18	1.22	1.25	1.2
19	1.02	1.07	1
20	0.91	0.89	0.9
21	0.81	0.813	0.8
22	0.71	0.711	0.7

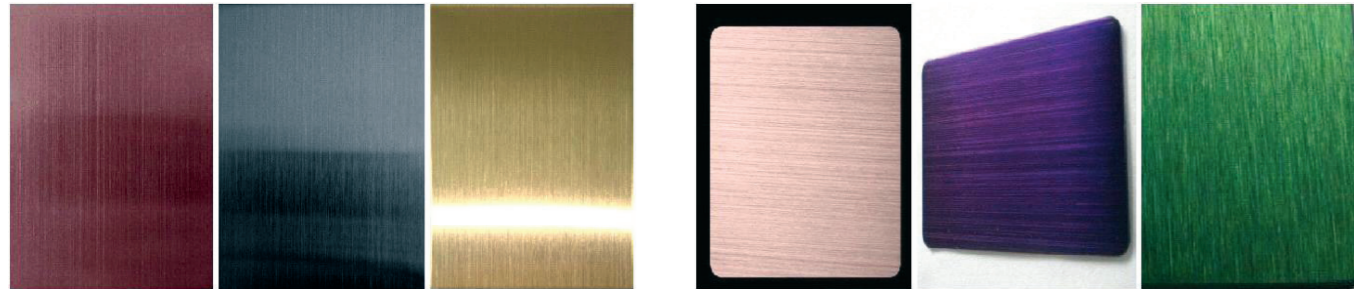
APPLICATIONS



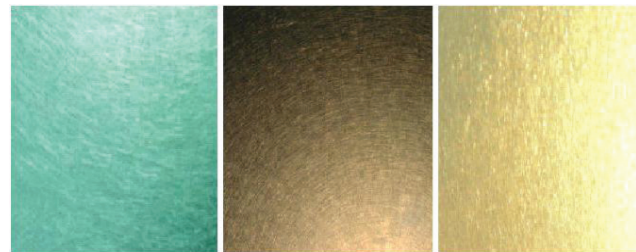
No	China GB		Japan JIS	USA		EU BS EN
	Old	New (07.10)		AS TM	UN S	
Austenitic Stainless Steel						
1	1Cr17Mn6Ni5N	12Cr17Mn6Ni5N	SUS201	201	S20100	1.4372
2	1Cr18Mn8Ni5N	12Cr18Mn9Ni5N	SUS202	202	S20200	1.4373
3	1Cr17Ni7	12Cr17Ni7	SUS301	301	S30100	1.4319
4	0Cr18Ni9	06Cr19Ni10	SUS304	304	S30400	1.4301
5	00Cr19Ni10	022Cr19Ni10	SUS304L	304L	S30403	1.4306
6	0Cr19Ni9N	06Cr19Ni10N	SUS304N1	304N	S30451	1.4315
7	0Cr19Ni10NbN	06Cr19Ni9NbN	SUS304N2	XM21	S30452	-
8	00Cr18Ni10N	022Cr19Ni10N	SUS304LN	304LN	S30453	-
9	1Cr18Ni12	10Cr18Ni12	SUS305	305	S30500	1.4303
10	0Cr23Ni13	06Cr23Ni13	SUS309S	309S	S30908	1.4833
11	0Cr25Ni20	06Cr25Ni20	SUS310S	310S	S31008	1.4845
12	0Cr17Ni12Mo2	06Cr17Ni12Mo2	SUS316	316	S31600	1.4401
13	0Cr18Ni12Mo3Ti	06Cr17Ni12Mo2Ti	SUS316Ti	316Ti	S31635	1.4571
14	00Cr17Ni14Mo2	022Cr17Ni12Mo2	SUS316L	316L	S31603	1.4404
15	0Cr17Ni12Mo2N	06Cr17Ni12Mo2N	SUS316N	316N	S31651	-
16	00Cr17Ni13Mo2N	022Cr17Ni13Mo2N	SUS316LN	316LN	S31653	1.4429
17	0Cr18Ni12Mo2Cu2	06Cr18Ni12Mo2Cu2	SUS316J1	-	-	-
18	00Cr18Ni14Mo2Cu2	022Cr18Ni14Mo2Cu2	SUS316J1L	-	-	-
19	0Cr19Ni13Mo3	06Cr19Ni13Mo3	SUS317	317	S31700	-
20	00Cr19Ni13Mo3	022Cr19Ni13Mo3	SUS317L	317L	S31703	1.4438
21	0Cr18Ni10Ti	06Cr18Ni11Ti	SUS321	321	S32100	1.4541
22	0Cr18Ni11Nb	06Cr18Ni11Nb	SUS347	347	S34700	1.455
Austenitic - Ferrite stainless steel (duplex stainless steel)						
23	0Cr26Ni5Mo2	-	SUS329J1	329	S32900	1.4477
24	00Cr18Ni5Mo3Si2	022Cr19Ni5Mo3Si2N	SUS329J3L	-	S31803	1.4462
Ferrite stainless steel						
25	0Cr13Al	06Cr13Al	SUS405	405	S40500	1.4002
26	-	022Cr11Ti	SUH409	409	S40900	1.4512
27	00Cr12	022Cr12	SUS410L	-	-	-
28	1Cr17	10Cr17	SUS430	430	S43000	1.4016
29	1Cr17Mo	10Cr17Mo	SUS434	434	S43400	1.4113
30	-	022Cr18NbTi	-	-	S43940	1.4509
31	00Cr18Mo2	019Cr19Mo2NbTi	SUS444	444	S44400	1.4521
Martensite stainless steel						
32	1Cr12	12Cr12	SUS403	403	S40300	-
33	1Cr13	12Cr13	SUS410	410	S41000	1.4006
34	2Cr13	20Cr13	SUS420J1	420	S42000	1.4021
35	3Cr13	30Cr13	SUS420J2	-	-	1.4028
36	7Cr17	68Cr17	SUS440A	440A	S44002	-

Surface finish	Characteristics and application
No.2B	The surface brightness and flatness of no2B is better than no2D. Then through a special surface treatment to improve its mechanical properties, No2B could nearly satisfy comprehensive uses.
No.3	Polished with abrasive belt of grit#100-#200, have better brightness with discontinuous coarse stria, used as inner and external ornaments for building, electrical appliances and kitchen utensils etc.
No.4	Polished with abrasive belt of grit #150-#180,have better brightness with discontinuous coarse stria, but thinner than No3, are used as bathtub buildings inner and external ornaments electrical appliances kitchen utensils and food processing equipment etc.
HL	Polished with abrasive belt of grit #150-#320 on the NO.4 finish and has continuous streaks, mainly used as buildings ornaments elevators, door of building, frontal plate etc.
BA	Cold rolled, bright annealed and skin-passed, the product have excellent brightness and good reflexivity like mirror, kitchen apparatus, ornament etc.
8K	The product has excellent brightness and prefers reflexivity can to be the mirror.

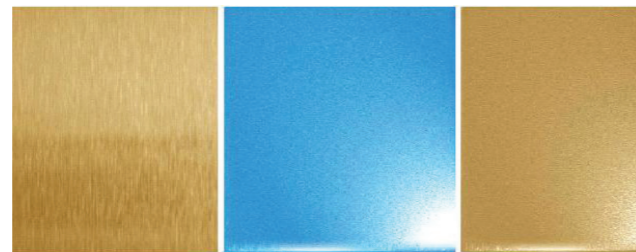
Hairline finish



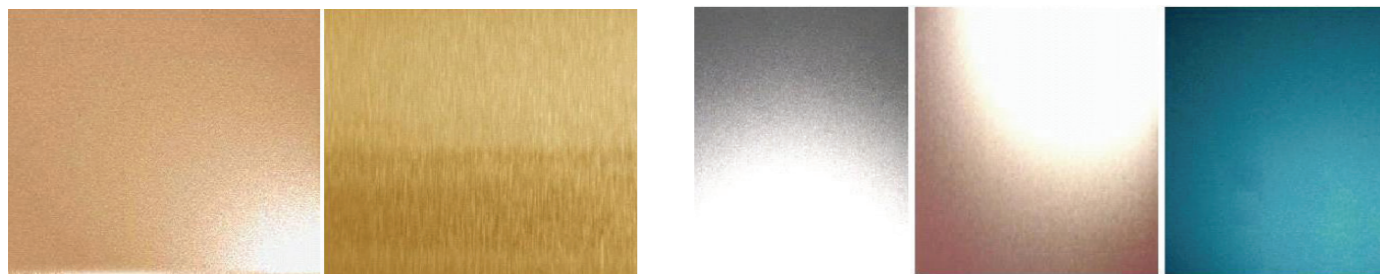
Vibration finish



Abrasive finish



Bead blasted finish



All products are packed in accordance with SMC standard packing specifications, unless otherwise specified by the customer in order to minimize damage during storage and transportation.

