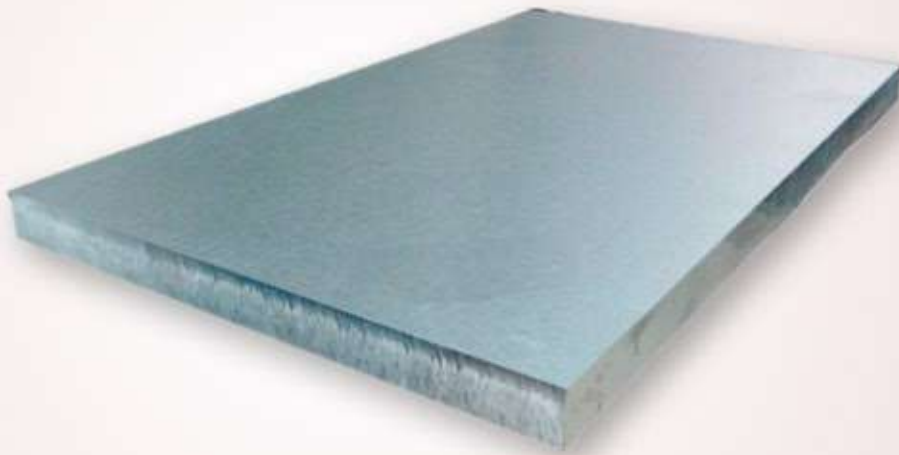




SGARIA.

Trustable for life



Plates



COMPANY PROFILE



The Sgaria

In addition to the best products, we work objectively and efficiently, with integrity and a sense of urgency to generate the best services.

Check out some of the pillars of our company:

Customer Focus: Our customers are the reason for our existence. We are committed to meeting your demands on site and time required;

Safety: We are strict in meeting our standards, valuing the safety of our customers and contributors;

Quality Results: We seek to maximize results by valuing quality in every detail of our operation;

Teamwork: Together we achieve our goals, acting in a shared way will more easily achieve achievements and good results, sharing achievements and results.

Certificates

By bringing together technical force with design and experience, Sgaria has all the documentation necessary to deliver a certified quality product.





Sgaria Hong Kong

Address:

10 / F, Pilkem Commercial Center, 8
Pilkem Street, Jordan, Kowloon, Hong Kong
VAT CODE: 2288999



Sgaria EUA

Address:

175 SW 7th Street - Unit#1515
Miami - FL 33130
Phone: +1 786 773 4767
VAT CODE: 83-1661307



Sgaria China

Address:

Business Center in Mirae Asset Tower, 166
LujiAzui Ring Road 20Floor
Phone: +852 (3) 6789958
VAT CODE: 91310115MA1K4CN75C



Sgaria Brasil

Address:

VIÓRIA- ES
e-mail: comercial.ind@sgaria.com
Telefone: +55 27 2142-5884
CNPJ: 28.446.398/0001-03



Product Name

Hot Rolled Coil	Hot Rolled Strip
Cold Rolled Coil	Cold Rolled Strip
Hot Rolled Plate	
Cold Rolled Sheet	

Stainless Steel Product Specification

	ASTM	JIS	AISI	DIN
Specification	A240	G4303, G4304, G4305, G4312		17224, 17440, 17441
Grade	S20100	SUS201	201	1.4371
	S20200	SUS202	202	
	S30100	SUS301	301	1.4310
	S30400	SUS304	304	1.4301
	S30403	SUS304L	304L	1.4306
	S31008	SUS310S	310S	1.4845
	S31603	SUS316L	316L	1.4404
	S32100	SUS321	321	1.4541
		SUH409L	409L	1.4512
	S41008	SUS410S	410S	1.4000
		SUS420J2		1.4028
	S43000	SUS430	430	1.4016
	S43932		439	

Other specifications are also available up to request

Chemical Composition

JIS Specification											
	Steel Grade	C% Max.	Si% Max.	Mn% Max.	P% Max.	S% Max.	Cr% Max.	Ni% Max.	Mo% Max.	Ti% Max	Other
Spec.	SUS 201	0.15	1.0	5.5~7.5	0.06	0.03	16.0~18.0	3.5~5.5			N: 0.25
	SUS 202	0.15	1.0	7.5~10.0	0.06	0.03	17.0~19.0	4.0~6.0			N: 0.25
JIS	SUS 301	0.15	1.0	2.0	0.045	0.03	16.0~18.0	6.0~8.0			
	SUS 304	0.08	1.0	2.0	0.045	0.03	18.0~20.0	8.0~10.5			
G4303	SUS 304L	0.03	1.0	2.0	0.045	0.03	18.0~20.0	9.0~13.0			Cu:1.0~3.0
G4304	SUS 310S	0.08	1.5	2.0	0.045	0.03	24.0~26.0	19.0~22.0			
G4305	SUS 316L	0.03	1.0	2.0	0.045	0.03	16.0~18.0	12.0~15.0	2.0~3.0		
G4312	SUS 321	0.08	1.0	2.0	0.045	0.03	17.0~19.0	9.0~13.0		5°C Min	
	SUH 409L	0.03	1.0	1.0	0.04	0.03	10.5~11.75			6°C to 0.75	
	SUS 410S	0.08	1.0	1.0	0.04	0.03	11.5~13.5	0.6			
	SUS 420J2	0.26~0.40	1.0	1.0	0.04	0.03	12.0~14.0				
	SUS 430	0.12	0.75	1.0	0.04	0.03	16.0~18.0				

ASTM Specification											
	Steel Grade	C% Max.	Si% Max.	Mn% Max.	P% Max.	S% Max.	Cr% Max.	Ni% Max.	Mo% Max.	Ti% Max	Other
Spec.	S20100	0.15	1.0	5.5~7.5	0.045	0.03	16.0~18.0	3.5~5.5			N: 0.25 Max.
	S20200	0.15	1.0	7.5~10.0	0.045	0.03	17.0~19.0	4.0~6.0			N: 0.25 Max.
ASTM	S30100	0.15	0.75	2.0	0.045	0.03	16.0~18.0	6.0~8.0			N: 0.1 Max.
	S30400	0.08	0.75	2.0	0.045	0.03	18.0~20.0	8.0~10.5			N: 0.1 Max.
A240	S30403	0.03	0.75	2.0	0.045	0.03	18.0~20.0	8.0~12.0			N: 0.1 Max.
	S31008	0.08	1.5	2.0	0.045	0.03	24.0~26.0	19.0~22.0			
	S31603	0.03	0.75	2.0	0.045	0.03	16.0~18.0	10.0~14.0	2.0~3.0		N: 0.1 Max.
	S32100	0.08	0.75	2.0	0.045	0.03	17.0~19.0	9.0~12.0		5 ¹ (C+N)Min 0.7 Max.	N: 0.1 Max.
	S41008	0.08	1.0	1.0	0.04	0.03	11.5~13.5	0.6			
	S43000	0.12	1.0	1.0	0.04	0.03	16.0~18.0	0.75 Max.			
	S43932	0.03	1.0	1.0	0.04	0.03	17.0~19.0	0.5		Nb + Ti: 0.75 Max.	N: 0.03 Max. Al: 0.15 Max.

Mechanical Property

JIS Specification							
	Steel Grade	N/mm ² MIN.	N/mm ² MIN.	Elongation	HRB MAX.	Bendability	
		Tensile Stress	Proof Stress	MIN.	Hardness	Bending Angle	Inside Radius
Spec.	SUS 201	520	275	40	100	No Require	
	SUS202	520	275	40	95	No Require	
JIS	SUS301	520	205	40	95	No Require	
	SUS304	520	205	40	90	No Require	
G4303	SUS304L	480	175	40	90	No Require	
G4304	SUS310S	520	205	40	90	No Require	
G4305	SUS316L	480	175	40	90	No Require	
G4312	SUS321	520	205	40	90	No Require	
	SUH409L	360	175	25	80	180°	0.5t(t<8mm), 1.0t(t>8mm)
	SUS410S	410	205	20	88		
	SUS420J2	540	225	18	99		
	SUS430	450	205	22	88	180°	1.0 time the thickness

ASTM Specification							
	Steel Grade	N/mm ² MIN.	N/mm ² MIN.	Elongation	HRB MAX.	Bendability	
		Tensile Stress	Proof Stress	MIN.	Hardness	Bending Angle	Inside Radius
Spec.	S20100	515	260	40	95		
	S20200	620	260	40			
	S30100	515	205	40	95	No Require	
	S30400	515	205	40	92	No Require	
ASTM	S30403	485	170	40	92	No Require	
	S31008	515	205	40	95	No Require	
A240	S31603	485	175	40	95	No Require	
	S32100	515	205	40	95	No Require	
	S41008	415	205	20	89	180°	
	S43000	450	205	22 ^A	89	180°	
	S43932	415	205	22	89	180°	

A: Material 0.050 inch (1.27mm) and under in thickness shall have a minimum elongation of 20.0%

Available Size

	Standard Dimension	Steel Grade
Hot Rolled Coil	Width: 1000~1524mm Thickness: 2.0~10.0mm	
Cold Rolled Coil	Width: 1000~1524mm Thickness: 0.3~6.0mm	
Hot Rolled Plate	Width: 914~2500mm Thickness: 1.5~100.0mm	201, 202, 301, 304, 304L, 310S, 316L, 321, 409L, 410S, 420J2, 430, 439
Cold Rolled Sheet	Width: 914mm~1524mm Thickness: 0.1~3.0mm	
Hot Rolled Strip	Width: 4mm~914mm Thickness: 1.5~6.0mm	
Cold Rolled Strip	Width: 4mm~914mm Thickness: 0.1~3.0mm	

Other sizes are also available up to request

Surface Finish

Coil / Strip	No.1, 2B, BA, No.4, HL
Sheet	No.1, 2B, BA, No.4, No.8, HL, Etching, SB, Ti-coating
Plate	No.1

Definition of Surface Finish

Surface Finish	Definition	Application
No.1	After hot rolling, the surface is finished by heat treatment and pickling or other processes alike.	Chemical tank, pipe
2B	Those finished, after cold rolling by heat treatment, pickling or other equivalent treatment and lastly by cold rolling to give an appropriate luster.	Medical device, food industry, construction material, kitchen utensils
BA	The surface is processed by bright heat treatment after cold rolling.	Kitchen utensils, electric equipment, building construction
No.4	Those finished by polishing with No.150 to No.180 abrasives specified in JIS R6001.	Kitchen utensils, building construction, medical device
No.8 (Mirror)	Using very fine abrasive polish and buff to produce a sheet with bright mirror-like surface.	Building architectural panel, elevator, interior decoration, windows frames, curtain walls, kitchen furniture
Etching	The etched technique is utilized to create unique patterns or designs on the metal surface. The depth of grooved surface can be made by machine depending on the different etching.	Building architectural panel, elevator, interior decoration
HL	Those finished by polishing so as to give continuous polishing streaks by using abrasives of suitable grain size.	Building construction
Ti-coating	The Ti-coating technique is a booming technology transferring from aerospace technology, and applies the principle of ion exchange to adhere titanium ions onto the material surface under vacuum and high temperature conditions.	Building decoration, artistry



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