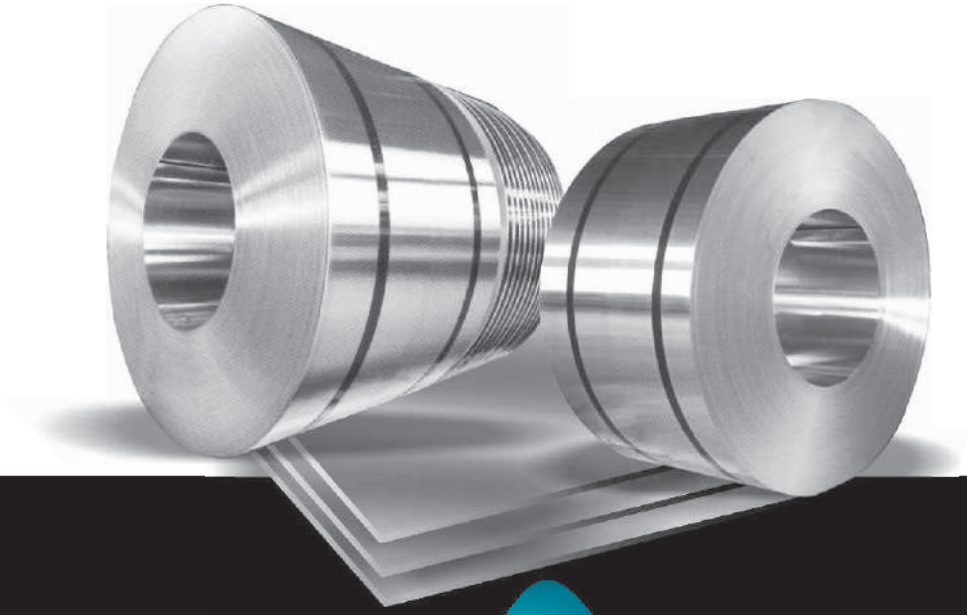
- Sheets
- Plates
- Coils
- Angles
- Channels



STAINLESSINOX International


BROMMA
BOFO

STAINLESSINOX International

Company Profile

Stainlessinox International is one of UAE's most prominent Stockholders & Exporters of Stainless Steel Flat Products to various industries and operates since 2010 from United Arab Emirates. As a leading Stainless Steel Stockholder & Exporter, Stainlessinox stocks the entire range of stainless steel flat products like Sheets, Coils, Plates & Strips available in various grades and sizes to meet the demand of MENA Region as well as our overseas clients.

Quality, reliability and consistence in delivery of specific products on time are an integral part of the infrastructure network of any booming company. Stainlessinox maintains a steady supply of stainless steel flat products throughout the Middle East on a daily basis. All the materials stocked are of high quality and standards based on customer to customer needs.

Stainlessinox operates as a connecting point within the market, allowing small- and medium-sized end users to access products from the major manufacturers at world level, making available goods of the best quality, formats, finishes and time frames, as required by the customer. Stainlessinox purchases goods from major Stainless steel mills through agreements that guarantees a stable availability of materials, which it then transforms according to the demands of different clients, in terms of product sizes, lengths and widths, thicknesses, as well as providing the required surface finishing (polishing, mirroring, hair line, satin finish, scotch bright).

Our ever growing satisfied customers data base includes more than 400 customers which has grown in just three years, are located locally in United Arab Emirates, Middle East, Europe & Asia. Today with our vast experience and supply capability, we are eyeing the European market with renewed vigour.

We are committed to elevate the standards of our products and services to offer customer satisfaction through excellence in quality. Every employee is dedicated toward this aim and every measure and care is taken to ensure superior products, timely delivery, competent prices and excellent after sales service.

STAINLESSINOX International

Coils

Stainless Steel Coils

Specifications	:-	As per ASTM & AISI Standards
Stainless Steel	:-	304, 304L, 316, 316L, 310S, 321 & 430
Duplex & Super Duplex	:-	S31803, S32750, S32760, S31500, S32205
Thickness	:-	Ranging from 0.3mm to 10mm
width	:-	1000 mm / 1219 mm / 1250 mm / 1500 mm / 2000 mm
Length	:-	In Coil Form
Finish	:-	2B / BA / 2D / No.4 / HL / No.1
Hardness	:-	As per ASME A & NACE MR 175
Weight	:-	3 Tons to 12 Tons
Coil ID	:-	510 mm & 610 mm depending on thickness & width of coil

Strips

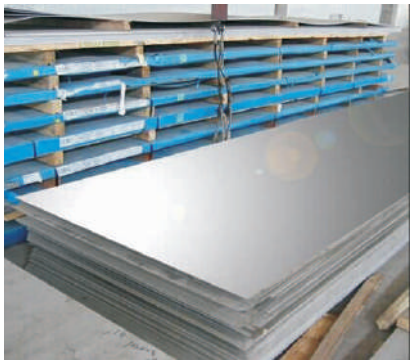
Stainless Steel Strip & Coils

Specifications	:-	As per ASTM & AISI Standards
Stainless Steel	:-	304, 304L, 316, 316L, 310S, 321 & 430
Duplex & Super Duplex	:-	S31803, S32750, S32760, S31500, S32205.
Thickness	:-	Ranging from 0.3mm to 3 mm
Width	:-	100mm to 600mm
Length	:-	In Coil Form
Finish	:-	2B / BA / 2D / No.4 / HL / No.1
Hardness	:-	As per ASME A & NACE MR 175
Weight	:-	50 Kg to 4 Tons
Coil ID	:-	510 mm & 610 mm depending on thickness & width of coil

STAINLESSINOX International

Sheets (Cold Rolled)

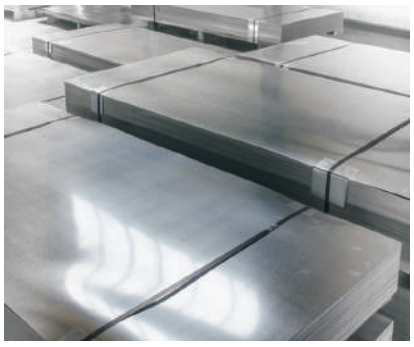
Stainless Steel Sheet Cold Rolled



Specification	:-	As per ASTM & AISI Standards
Stainless Steel	:-	304, 304L, 316, 316L, 310S, 321 & 430
Duplex & Super Duplex	:-	S31803, S32750, S32760, S31500, S32205.
Thickness	:-	Ranging from 0.3 mm to 6 mm
Width	:-	1000mm / 1219mm /1250 / 1500mm / 2000mm
Length	:-	2000 mm / 2440 mm / 2500 mm / 3000 mm / 6000 mm.
Finish	:-	2B. BA, Brush No. 4, Scotchbrite, Mirror, HL
Hardness	:-	As per ASME A & NACE MR 175

Sheets / Plates (Hot Rolled)

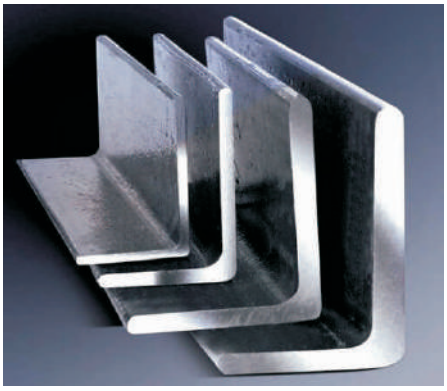
Stainless Steel Sheet Hot Rolled



Specification	:-	As per ASTM & AISI Standards
Stainless Steel	:-	304, 304L, 316, 316L, 310S, 321 & 430
Duplex & Super Duplex	:-	S31803, S32750, S32760, S31500, S32205.
Thickness	:-	Ranging from 3.0 mm to 20 mm
Width	:-	1000mm / 1219mm /1250mm / 1500mm / 2000mm
Length	:-	2000 mm / 2440 mm / 2500 mm / 3000 mm / 6000 mm.
Finish	:-	Mill Finish (1D), No.1, & Checkered
Hardness	:-	As per ASME A & NACE MR 175

Angles

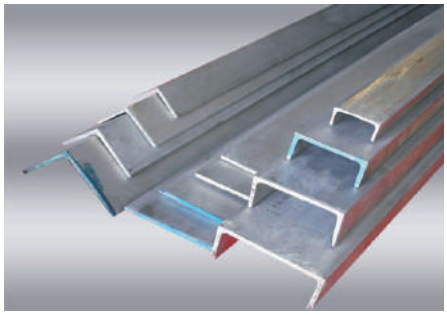
We specialize in stainless steel Equal & Unequal Angles polished & hairline channels.



Specifications	: ASTM / DIN
Stainless Steel	: 304, 304L, 304H, 303, 316, 316L, 321, 316 TI 1.4301, 1.4307, 1.4306, 1.4841, 1.4305, 1.4401, 1.4404, 1.4541 and 1.4571
Size	: Various Sizes
Length	: 5 mtr to 12 mtr.

Channels

We specialize in stainless steel tapered & Non tapered channels, polished & hairline channels.



Specifications	: ASTM / DIN
Stainless Steel	: 304, 304L, 304H, 303, 316, 316L, 321, 316 TI 1.4301, 1.4307, 1.4306, 1.4841, 1.4305, 1.4401, 1.4404, 1.4541 and 1.4571
Size	: Various Sizes
Length	: 5 mtr to 12 mtr.

STAINLESSINOX International

Product Characteristics & Applications

Series		Grades	Characteristics	Applications
Austenitic Series	Basic	SUS 304	Widely used, corrosion resistant, heat resistant, good mechanical properties in low temperature, no heat treatment hardening, weak magnetism.	Home kitchen utensils, chemical industry, medical apparatus, building material and decoration.
		SUS304L	Better intergranular corrosion resistance, can be heat treated after welding.	Petroleum equipment, chemical equipment, building material, heat resistant parts and the parts that are difficult to heat treatment.
	High Tensile Strength	SUS301	Low content of Cr and Ni than 304 grade, It's strength, hardness and magnetism can be increased by cold working.	Trains, aircrafts, vehicles, springs.
	Deep Drawing	SUS301L*	Improving, intergranular corrosion resistance by decreasing content and increasing Ni content from 301 grade.	Frame and crust parts of train.
		SUS304Cu	Better formability than 304 grade by addition of cu, suitable for deep drawing.	Domestic appliances.
		SUS304Ni8.5	Better formability than 304 grade by increasing Ni content, suitable for deep drawing.	Domestic appliances.
	High Corrosion Resistance	SUS304Ni9	Better formability than 304 grade by increasing Ni content, suitable for deep drawing.	Domestic appliances.
		SUS316*	Better formability than 304 grade in sea water and other corrosive solutions, higher heat-resistance, good cold work hardening and performance, no magnetism.	Chemical industry, food processing equipments, coastal installations.
		SUS316L	Compare with SUS316, has better intergnanular corrosion resistance and water heat-resistance, no magnetism.	Chemical industry, food processing equipments used in severe corrosive condition, costal installations used.
		SUS321	Intergranular corrosion resistance, heat resistant, good formability and weldability, anti-oxidizing in high temperature.	Jet engine parts, heat exchanger, boiler cover, chemical devices.
Ferritic Series	Basic	SUS430	Typical ferritic, stainless steel grade, low thermal extensibility, good formability and antioxygenic property.	Heat-resistance utensils, combustion devices, domestic appliance, kitchen utensils category, building decorating material.
	Weldable and Corrosion Resistant	SUS409L	good formability and weldability, antioxygenic property in high temperature.	exhaust system of automobiles
		SUS436L*	good corrosion resistance, formability and weldability, corrosion resistant to condensates in exhaust piping of automobiles.	Automobiles exhaust piping, boiler.
		SUS444*	good corrosion resistance, formability and weldability, compare with 316L, has better stress corrosion resistance and spot corrosion resistance.	Water heater, water tank, automobile, exhaust piping.
Martensitic Series	Basic	SUS420J2*	High post-quenching strength, suitable for wearable parts.	Knife, pipe nozzles, valves, metal rules and cooking utensils.

1.1 FERRITICS

CLASSIFICATION		TYPE	COMPOSITIONS'										
		Unity	C	Si	Mn	P	S	N	Cr	Mo	Nb	Ni	Other
Ferritics	Utility	3CR12	0.03	1.0	2.0	0.040	0.030		10.5-12.5			1.5	Ti: 4X(C+N) to 0.6
		3CR12L	0.03	1.0	1.5	0.040	0.015	0.03	10.5-12.5			0.3-1.0	
		410S	0.08	1.0	1.0	0.040	0.015		11.5-13.5			0.6	
	Standard	40910	0.03	1.0	1.0	0.040	0.015	0.03	10.5-11.7			0.5	Ti: 6X(C+N) to 0.5
		430	0.08	1.0	1.0	0.040	0.015		16.0-18.0			0.75	
		439	0.03	1.0	1.0	0.040	0.015	0.03	17.0-18.0				Ti: 4X(C+N)+0.2 to 0.8
		430DDQ	0.08	1.0	1.0	0.040	0.015		16.0-18.0			0.5	Al: 0.30max
		1.4509	0.03	0.75	1.0	0.040	0.015		17.5-18.5		3XC+0.3to 1.00		Ti: 0.1 to 0.6
	Moly	434	0.08	1.0	1.0	0.040	0.015		16.0-18.0	0.9-1.25			
		436	0.08	1.0	1.0	0.040	0.015	0.04	16.0-18.0	0.8-1.25	7X(C+N)+0.1 to 0.8		
		444	0.025	1.0	1.0	0.040	0.015	0.03	17.5-19.5	1.8-2.5		1.0	Ti[2]: 4X(C+N)+0.15 to 0.8

1. Compositions are maximum values, unless otherwise stated.-
2. Stablistation may be by use of titanium or niobium or zirconium. For ASTM A240, Ti+Nb>4 (C+N) +0.20. For EN10088-2, according to the atomic mass of these elements and the content of carbon and nitrogen, the equivalence shall be the following: Nb (% by mass) = Zr(% by mass) = 7/4 Ti (% by mass), (i.e. when replacing titanium with niobium nearly double (1.75) the nioblum is needed.)

1.2 Duplex

CLASSIFICATION		TYPE	COMPOSITIONS'										
		Unity	C	Si	Mn	P	S	N	Cr	Mo	Nb	Ni	Other
Duplex	Lean	2001	0.03	1.0	4.0-6.0	0.035	0.015	0.05-0.17	19.5-21.5	0.6		1.0-3.0	Cu: 1.0 max
		2304	0.03	1.0	2.0	0.035	0.015	0.05-0.20	22.0-24.0	0.1-0.6		3.5-5.5	Cu: 0.1 to 0.6
	Standard	2205	0.03	1.0	2.0	0.035	0.015	0.14-0.20	22.0-23.0	2.2-3.5		4.5-6.5	

1.3 AUSTENITICS

CLASSIFICATION		TYPE	COMPOSITIONS									
		Unity	C	Si	Mn	P	S	N	Cr	Mo	Ni	Other
Austenitics	Cr-Mn-Ni	202	0.08	0.75	6.5-8.0	0.045	0.015	0.15	15.0-17.0		3.5-5.0	Cu: 2.0 max
	Cr-Ni	304/304H	0.07	0.75	2.0	0.045	0.015	0.10	18.0-19.5		8.0-10.5	
		304DQ	0.07	0.75	2.0	0.045	0.015	0.10	18.0-19.5		8.5-10.5	
		304DDQ	0.07	0.75	2.0	0.045	0.015	0.10	18.0-19.5		9.0-10.5	
		304L-ASTM	0.03	0.75	2.0	0.045	0.015	0.10	17.5-19.5		8.0-10.5	
		304L-ASME	0.03	0.75	2.0	0.045	0.015	0.10	18.0-19.5		8.0-10.5	
		304LS	0.03	0.75	2.0	0.045	0.005-0.015	0.10	18.0-19.5		8.0-10.5	
		304LDDQ	0.03	0.75	2.0	0.045	0.015	0.10	18.0-20.0		10.0-10.5	
		304LN	0.03	0.75	2.0	0.045	0.015	0.12-0.16	18.0-19.5		8.5-11.5	
		321	0.08	0.75	2.0	0.045	0.015	0.10	17.0-19.0		9.0-12.0	Ti: 5X(C+N) to 0.7
	Cr-Ni-Mo	316L-1.4404	0.03	0.75	2.0	0.045	0.015	0.10	16.5-18.0	2.0-2.5	10.0-13.0	
		316L-1.4435	0.03	0.75	2.0	0.045	0.015	0.10	17.0-18.0	2.5-3.0	12.5-13.0	
		316LN	0.03	0.75	2.0	0.045	0.015	0.12-0.16	16.5-18.0	2.0-2.5	10.0-12.5	
		316Ti	0.08	0.75	2.0	0.045	0.015	0.10	16.5-18.0	2.0-2.5	10.5-13.5	Ti: 5X(C+N) to 0.7
	Heat Resistant	309S-1.4833	0.08	0.75	2.0	0.045	0.015	0.11	22.0-24.0		12.0-14.0	
		309S Si-1.4828	0.2	1.5-2.5	2.0	0.045	0.015	0.11	19.0-21.0		11.0-13.0	
		310S-1.4845	0.08	0.75	2.0	0.045	0.015	0.11	24.0-26.0		19.0-22.0	
		310S Si-1.4841	0.2	1.5-2.5	2.0	0.045	0.015	0.11	24.0-26.0		19.0-22.0	

1. Compositions are maximum values, unless otherwise stated.

2. FINISHES AVAILABLE

Finish	ASTM/ ASME	EN	DN	Description
HR	-	1U	a1	Hot rolled (not heat treated, not descaled). Suitable for products which are to be further worked (e.g. re-rolling).
HRA	-	1C	Ic	Hot rolled and heat treated (not descaled). Suitable for industrial heat resisting and materials handling applications.
HRP	-	-	-	Hot rolled and pickled (not heat treated).
No. 1	No.1	1D	IIa	Hot rolled, heat treated and descaled. Suitable when smoothness and uniformity of finish are not important.
2D	No. 2D	2D	IIIb	Cold rolled, heat treated and pickled. Dull, smooth finish. Suitable for forming applications
2B	No. 2B	2B	IIIc	Cold rolled, heat treated and pickled. Bright and smoother finish than 2D (obtained by skin passing or tension levelling).
2E	No. 2B	2E	-	Cold rolled, heat treated and mechanically descaled, may be followed by pickling. Rough and dull finish.
No. 4	No. 4	2G	IV	A linearly textured polished finish, one or both sides, with a typical surface roughness (R_a) of about 0.6μm.
SB	No.6	2J	-	Scotch Brite finish, one or both sides, with a transverse R_a<0.5μ.m
SSB	-	-	-	Superior Scotchbrite finish, one or both sides, with a transverse R_a<0.25μ.m
No.6R	-	-	-	Rolled on linearly textured finish.
BA	Bright Annealed Finish	2R -	IIId -	Cold rolled, bright annealed finish, retained by final annealing in a controlled atmosphere furnace (may be skin passed). Smooth, bright, reflective finish.
BE	-	-	-	2B cold rolled, but final anneal in a controlled atmosphere furnace.

Stockists & Distributors of :-

COLUMBUS STAINLESS [Pty] Ltd

outokumpu high performance stainless steel

BAHRU STAINLESS

aperam

ACERINOX

posco

STAINLESSINOX International FZCO

Stockholders & Exporters of Stainless Steel

Head Office :
Plot No. S10115, Jebel Ali Free Zone, South
P.O. Box No. 263942, Dubai, United Arab Emirates
Tel : + 971 4 880 6198
Email : info@stainlessinox.com