Tianjin Solos International Trading Co.Ltd

GENERAL CATALOGUE

www.soloscompany.com

about us

Tianjin Solos is well known,reputable and market leader in row mineral material and is supplier of all equipments for below industries:

Export of all equipments for Refinery, Power and Petrochemical ,plants,Wide range of Stainless Steel (Coil,Sheets,pipes,profiles Fitting and mesh) Other metal products are also available if customers require

Import of Raw Mineral,Additive for Oil Well Drilling,Ceramic,asphalt Petrochemicals,Foundry industries

Our Mission

We aspire to achieve business excellence through:

Mr. **JIJUN MENG**
General Manager

- strict inspection
- Optimum utilization of resources
- The highest ethics and standards
- Hiring, developing and retaining the best people
- The spirit of entrepreneurship and innovation
- Positive impact on the communities we touch
- Sustainable environment friendly procedures and practices

STAINLESS STEEL USES IN THE POWER GENERATION INDUSTRY

power and energy industrie that listed below.The amazing corrosion resistance of stainless steel is a necessity when dealing with the many extreme environments in ,which power plants must be located

- Ability to form under hot and cold conditions
- Excellent weldability
- Good machinability
- High strength
- Wear resistance
- Corrosion resistance to most of the process conditions
- Heat resistance
- Durability at high temperatures

stainless Steel Components of a power plant

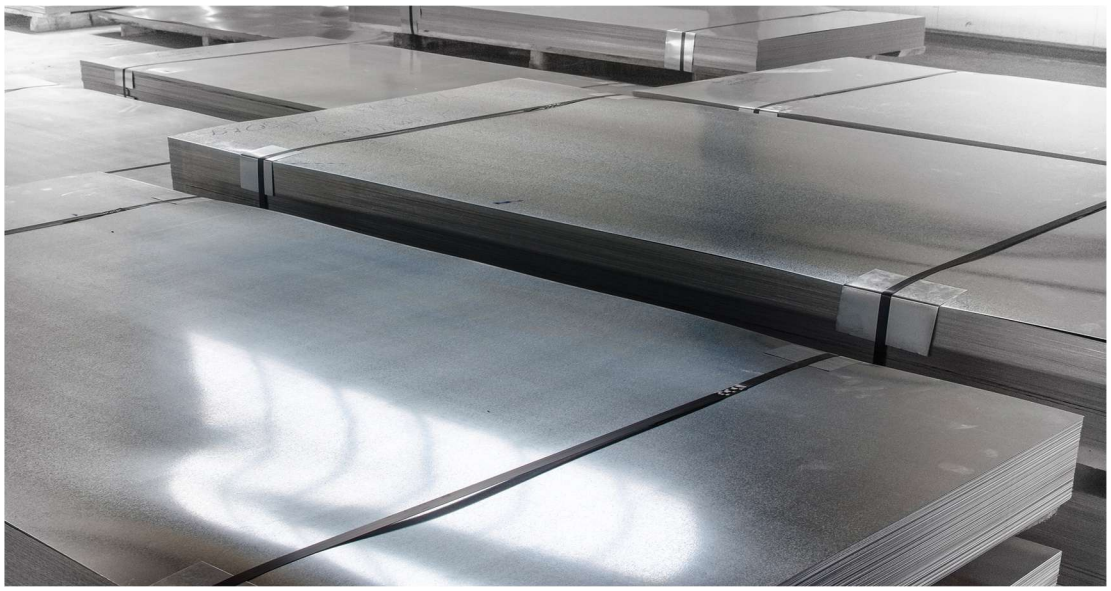
- Super heaters and reheaters
- Storage vessels
- Heat exchangers
- Flue gas treatment
- Pipes
- Pressure tubes
- Containment vessels

Stainless steel products

- STAINLESS STEEL SHEETS & COILS
- STAINLESS STEEL WELDED & SEAMLESS PIPES
- STAINLESS STEEL PIPE FITTING
- STAINLESS STEEL PROFILES
- STAINLESS STEEL MESHES

STAINLESS STEEL COILS AND SHEETS

Stainless Steel Coils are one of the most sought after types of raw material in the construction and manufacturing industries. ... Stainless steel coil is manufactured by hot rolling stainless steel slabs in a reheat furnace. The hot rolling process is carried out at a certain high temperature



Stainless steel sheet/plate is versatile and used in a variety of applications. It is primarily selected for its resistance to corrosion, longevity and formability. Typical uses of stainless steel sheet/plate include, construction, food service applications, transportation, chemical, marine, and textile industries

Stainless Steel is used in a wide range of application including

- Aerospace
- Defense
- Chemical Processing
- Oil and Gas
- Electrical Energy
- Medical
- Automotive
- Food Preparation Equipment
- Application
- Construction
- Mining
- Transportation
- Electronics

All Grades of Stainless Steel Coil / Sheet

Material	Finish	Grade	Thickness(mm)	Width(mm)
Stainless steel cold rolled	2B	304/304L	0.3-4.0	750- Max.2000
		316L		
		430/409L/439/410S		
		201/201		
	BA	304/304L	0.3-3.0	750-1524
		316L		
		430/409L/439/410S		
		201/202		
	No.3/No.4	304/304L	0.3-4.0	750-Max.2000
		316L		
		430/409L/439/410S		
		201/202		
	HL	304/304L	0.3-4.0	750-Max.2000
		316L		
		430/409L/439/410S		
		201/202		
	No.8	304/304L	0.3-3.0	750-1524

ALL GRADES OF STAINLESS STEEL

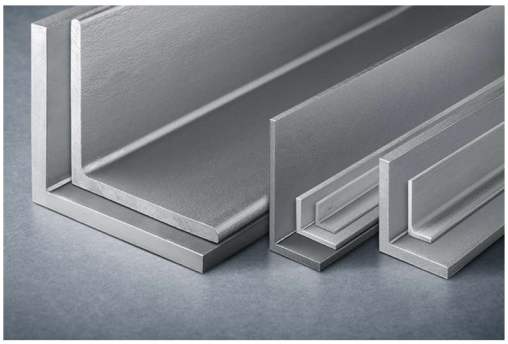
Grade Reference	Stainless Steel Type	Description of strengths, characteristics, and applications
201	Austenitic	Low nickel equivalent of 301, used in flatware
202	Austenitic	Low nickel equivalent of 302, used for kitchenware
205	Austenitic	Low work hardening, for spin forming
301	Austenitic	Higher work hardening, for trailer bodies, fasteners
302	Austenitic	General purpose grade
303	Austenitic	Free machining version of 302, for screw machining
304	Austenitic	Low carbon, economical grade, not seawater resistant but weldable
304L	Austenitic	Extra-low carbon improves resistance to post-weld corrosion
305	Austenitic	Low work hardening, for spin forming
308	Austenitic	Higher alloy content for corrosion/heat resistance, for welding rod/wire
309	Austenitic	High temperature, scale resistant, for heat exchangers
310	Austenitic	High temperature, scale resistant, for furnaces
314	Austenitic	High resistance to scale, for radiant tubes
316	Austenitic	Increased molybdenum for improved corrosion resistance in seawater
316L	Austenitic	A low carbon version of 316 for improved post-weld corrosion resistance
317	Austenitic	Improved corrosion and creep resistance over 316
321	Austenitic	High titanium version of 304 for better high-temperature performance
329	Aust-Ferritic	General corrosion resistance, like 316, with improved stress-crack resistance
330	Austenitic	Resistant to carburization, oxidation, thermal shock, for heat-treating fixtures
347	Austenitic	A higher creep-strength version of 321, for jet engine components
348	Austenitic	Low retentivity version of 321, for nuclear service
384	Austenitic	Low cold work hardening, for bolts, screws
403	Martensitic	Turbine grade, for steam turbine blading
405	Ferritic	Non-hard enable grade of 403
409	Martensitic	General purpose, for constructions not requiring heat treatment
410	Martensitic	General purpose, for machine parts such as shafting, auto exhausts
414	Martensitic	High hardenability, for springs
416	Martensitic	Free machining version of 410
420	Martensitic	High carbon modification of 410, for surgical instruments
422	Martensitic	High strength for temperatures to 1200°F, for turbine blades
429	Ferritic	Exhibits better weldability than 430
430	Ferritic	Chromium type, non-hardening, for annealing baskets, dishwashers
431	Martensitic	Special purpose, hard enable, for beater bars
434	Ferritic	Modified 430, for high resistance to road salts
436	Ferritic	General corrosion and heat resistant grade, for automotive trim
440(A,B,C)	Martensitic	Highest hardenability of the stainless steel grades, for use to create bearing balls
442	Ferritic	High temperature and scale resistance, for furnaces
446	Ferritic	High temperature and scale resistance, for intermittent use, pyrometer tubes
501	Martensitic	Heat resistant with high strength, for petrochemical equipment
502	Ferritic	Heat resistant with high ductility, for petrochemical equipment

Notice **Thickness :under l , l, 2 , 3 , 4 (MM)**

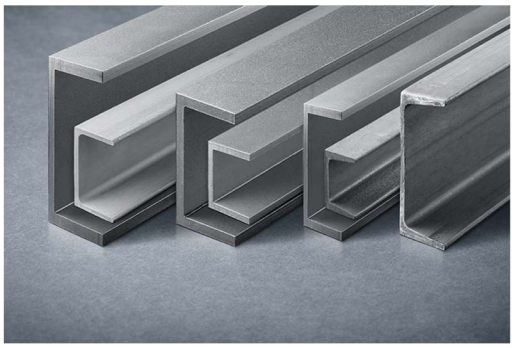
STAINLESS STEEL PROFILES

Stainless Steel profiles are steel products which have been rolled, drawn or pressed into a shape which is of the same cross-section over its entire length.

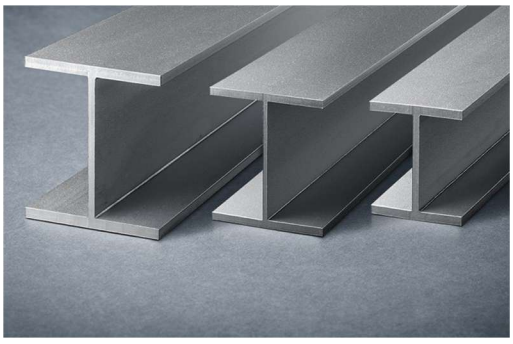
Angel (equal leg and unequal leg)



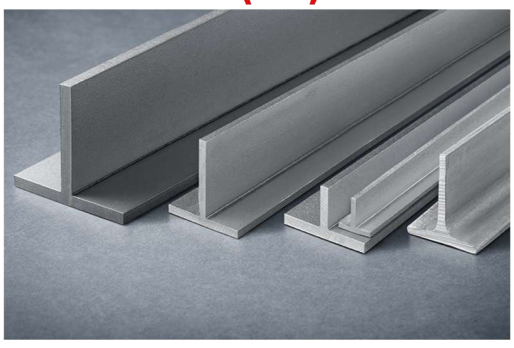
C-Channel



Beam



T (tee)



STAINLESS STEEL PIPE

Stainless steel can be welded with shielded metal arc welding (MIG), gas tungsten arc welding (TIG) and stick welding, and each of these processes will yield a slightly different result . Seamless tubes are as defined – they do not have a welded seam

Welded Stainless Steel Pipe

Seamless Stainless Steel Pipe

Mechanical Properties

Grades	Item-per	Tensile Psi	Yield Psi	Elong %	Rockwell Hardness
304	Annealed I 1/8 Hard	85000-105000	35000-75000	20-55	80-95
304L	Annealed I 1/8 Hard	80000-105000	30000-75000	20-55	75-95
316	Annealed	85000 min	35000 min	50 min	80 min
316L	Annealed	80000 min	30000 min	50 min	75 min

STAINLESS STEEL BAR

Stainless steel flat bar

Stainless steel square bar

Stainless steel Round bar

Stainless steel hexogen bar

Stainless steel rectangle bar

Corrosion Resistance - Stainless steel tube is capable of resisting water, most acids, alkaline solutions, and chlorine bearing environments, and properties which are utilized in process .plants

Hygiene - Stainless steel tube's easy cleaning ability makes it a premier choice for strict .hygiene conditions, such as hospitals, kitchens, abattoirs and other food processing plants

Fire & Heat Resistance - Different grades of stainless steel metal tube will resist scaling and .retain strength at high temperatures

Strength-To-Weight Advantages - The structural nature of stainless tube allows for a higher .strength-to-weight ratio than other types of metal

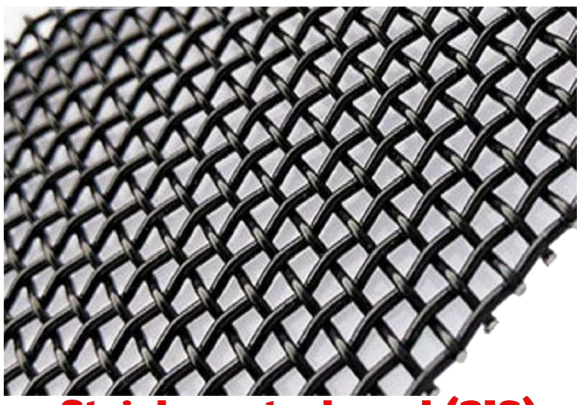
Aesthetics - Stainless steel tube is bright and easy to maintain, which provides for a modern .and attractive appearance

Stainless steel bar products are used for an abundance of structural and fabrication related projects where increased strength and superior corrosion resistance is required. Some of the unique applications related to our stainless steel bar stock, include:Kitchen projects Food processing equipment Construction materials Automotive & aerospace structural uses Architectural pieces

STAINLESS STEEL MESH

Plain/twill weave wire mesh (square mesh) has been widely used to form filters and screens. The choice of braiding method should satisfy factors such as the ratio of opening area to wire diameter and application.Especially in the production of fine meshes with a pore .size of 150μ or less, we have gained a high reputation

stainless steel mesh(304)



Stainless steel mesh(316)

Stainless steel welded mesh is usually made of 201, 202, 304, 304L, 316, 316L and other stainless steel wires as materials, and is processed by precise automated mechanical technology. Even if it is partially cut or partially subjected to pressure, it will not become loose. Mainly used in mining, petroleum, chemical, food, medicine, machinery manufacturing and other .industries

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