



# ALJABAL TRADING & CONTRACTING

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# STAINLESS STEEL BANDING



**ALJABAL STAINLESS STEEL BANDING** is mainly used in thermal insulation projects, and telecom, electric utilities, industrial piping and hoses in the field of petrochemical or manufacturing setting.



We control the quality from the first link of the production chain - raw material. Our raw material is from the most famous steel brand in China, with our precise working procedure, from calendaring, annealing, slitting to surfacing and edge treatment, and packaging. This ensures the property of **ALJABAL** banding on both chemical and physical. With Quality Certificate from the raw material supplier, we keep testing every batch of steel delivered to our door, the chemical analysis is very important for us. We slit and treat our band edges making sure the safety with no any burr, which is essential since stainless steel banding is hand.



operated most of the time. We can emboss identification on band with fixed internal space, as per customers' requirement. Generally the customers. from Telecom field would like the embossment.

**ALJABAL** stainless steel banding is available of material 201, 304, 316, 316L etc.. And can be supplied to clients in complete sets with accessories including tooth buckles, wing seals clips, toggles.

## **Banding Engraving**

**ALJABAL** makes round safe edges with bright finish to our stainless steel band products..

# STAINLESS STEEL BANDING



We can emboss your brand, logo, or company name onto stainless steel strap accordingly, with fixed internal space along the whole roll length, making sure each piece of band cut will be with an marking.



The embossments helps a lot for brand promotion as per our marketing experience in this field for so many years. The potential users can get your brand or company name from every piece of band applied in various projects.

And, we suggest to meet the following conditions forband embossment, considering quality assurance and cost advantage:

- Band thickness:  $\geq 0.7\text{mm}$  (0.028")
- Band width:  $\geq 12.7\text{mm}$  (1/2")
- Quantity:  $\geq 1,500$  rolls each

And, if the quantity reaches 1,500 rolls, ALJABAL can print your LOGO and company name on carton box ( including inner box and outer carton ) as per your requirements.

## BANDING SPECIFICATIONS

STYLE NUMBER	THICKNESS		WIDTH	
	INCH	MM	INCH	MM
MC1514	0.015	0.38	1/4	6.5
MC1538			3/8	9.5
MC1512			1/2	12.7
MC1558			5/8	16
MC2038	0.020	0.50	3/8	9.5
MC2012			1/2	12.7
MC2058			5/8	16
MC2034			3/4	19
MC2438	0.024	0.60	3/8	9.5
MC2412			1/2	12.7
MC2458			5/8	16
MC2434			3/4	19
MC2838	0.028	0.70	3/8	9.5
MC2812			1/2	12.7
MC2858			5/8	16
MC2834			3/4	19
MC3238	0.032	0.80	3/8	9.5
MC3212			1/2	12.7
MC3258			5/8	16
MC3234			3/4	19
MC4001	0.040	1.00	1	25.4

# STAINLESS STEEL BANDING



## BANDING SPECIFICATIONS

**Giant Coils:** ALJABAL packages banding in bulk coils per weight for thermal insulation projects or industrial piping, construction works, including ribbon wound banding and oscillating wound banding.

**Small Coils:** ALJABAL also packages banding in small coils per length for telecom users, electric utilities etc. , We can provide neutral packing - boxes to be blank or only product description printed. Including banding in plastics dispenser and banding in carton box.

## Ribbon Wound Banding



### Reminder:

It's easier to uncoil ribbon wound coils by using ALJABAL Ribbon Wound Banding Dispenser, that we have designed and manufactured specially for uncoiling ALJABAL Ribbon Wound Banding coils. It helps very much especially for narrower banding, like 1/2" ( ie, 12.7mm ). Banding bounces off the coil easily due to its self-tension strength and get twisted or kinky. Aljabal Ribbon Wound Dispenser can prevent things like that from happening.

Ribbon wound banding comes as giant coils, that apply to fixing or fastening of big size objects, like the tanks in oil gas and petrochemical industry, thermal or cold insulation layer on large pipes. Also, the consumers in insulation industry can have these giant coils and cut into various lengths per the pipe sizes at job site and make preformed clamps or ties with ALJABAL wing seal clips.

Ribbon wound Banding width available

- 1/2" ( ie, 12.7mm );
- 5/8" ( ie, 16mm );
- 5/8" ( ie, 16mm );
- Or any width over 3/4" ( 19mm ).

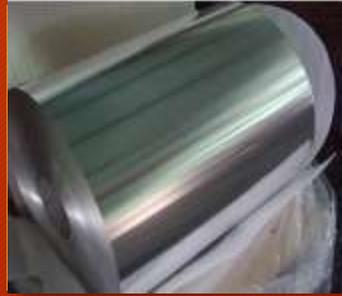
Inside Diameter of coils available

- 9.45" ( ie, 240mm );
- 16" ( ie, 406mm ).

Size or weight per coil:

- 33 lbs ~ 66 lbs ( ie, 15 ~ 30 kg );
- Or, as per request.

# STAINLESS STEEL STRIP



## 304 stainless steel strip



Type 304 Stainless Steel is the most widely used of the austenitic (chromium/nickel) stainless steels. In the annealed condition it is essentially non-magnetic and becomes slightly magnetic with the application of cold work. Type 304L Stainless Steel is preferred in welding applications to exclude the formation of chromium carbides during cooling in the heat affected region of the weld. These alloys represent an excellent combination of corrosion resistance and fabricability

# CHEMICAL COMPOSITION & MECHANICAL PROPERTIES



## Chemical Composition: ASTM A240

Element	304 Grade	304L Grade
Carbon	0.07 max	0.030 max
Manganese	2.00 max	2.00 max
Sulfur	0.030 max	0.030 max
Phosphorus	0,045 max	0,045 max
Silicon	0.75 max	0.75 max
Chromium	17.50 - 19.50	18.0 - 20.0
Nickel	8.00 - 10.50	8.0 - 12.0
Nitrogen	0.10 max	0.10 max

## Mechanical Properties

Yield Strength 0.2% offset (KSI)	30 min	25 min
Tensile Strength (KSI)	75 min	70 min
% Elongation (2" Gauge length)	40 min	40 min
Hardness Rockwell	HRB 92 max	HRB 92 max

# APPLICATIONS



Chemical equipment and piping, heat exchanger components, dairy and food handling equipment and utensils, cryogenic vessels and components, architectural and structural applications exposed to non-marine atmospheres



# PACKING & SHIPMENT DETAILS



Packing---anti-water paper wrapped, put on wooden pallet, iron strip fastened  
Shipping--- FCL/FCL 20"feet container or 40"feet container



## Certificate ( Mill Test Certificate )

We will offer the Mill Test Certificate which from Tisco , Baosteel ,Zps ,Lisco ext

## Grade

200 series : 201 ,202

300 series : 301,304 , 304L , 316 ,316L , 321 ,309S,310 ,310S

400 series : 430 , 439 , 409L ,410S, 420j1, 420j2 ,441

Other grade : 904L

# STAINLESS STEEL TYPE



## 321 STAINLESS STEEL STRIP

Type 321 Stainless Steel is a stabilized austenitic stainless steel similar to Type 304 but with a titanium addition of at least five times the carbon



## 201 STAINLESS STEEL STRIP

Type 201 Stainless Steel is an austenitic chromium-nickel-manganese stainless steel which was developed to conserve nickel



## 430 STAINLESS STEEL STRIP

Type 430 Stainless Steel is a low carbon ferritic stainless steel which, in mildly corrosive environments or atmospheric exposures, has corrosion resistance

