



## STAINLESS STEEL BANDING SYSTEM



➤ **Stainless steel banding** in roll of 100 feet/30.5mtrs, pre-packaged by a self dispensing cardboard box or plastic dispenser(+\$.80/pc). Other lengths are available upon request. (For example: 25 m or 50 m each roll).



### Most Popular Products:

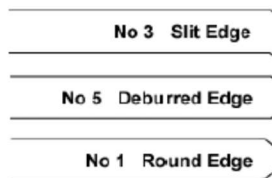
Steel Type	Item No.	Width		Thickness		Length		Match-sized Buckle	IMPA
		Inch	mm	Inch	mm	feet	mtrs	Buckle	
304/201	TBS002	1/2"	12.7	.030"	0.76	100'	30.5	TB002	614105
	TBS004	3/4"	19					TB004	614107

Note!: Our default banding packing is by cardboard box.

The banding is made of high quality 304 stainless steel with great corrosion resistance characteristics and all SS band sizes feature fully rounded smooth edge for safety and easy installation, for clamps of even greater strength, use a double wrap.

### ● **Stainless steel banding features:**

- ◇ High tensile strength with impressive corrosion resistance properties!
- ◇ Bright finish and 2B finish are available
- ◇ No. 3 slitting edge, No.5 Deburred and No.1Round edges for your choice.





CORROSION RESISTANCE AND PRICE POINTS

Which steel type to use?

Cost: 316SS > 304SS > 201SS

Steel Type	Country side	Urban area	Industrial Area	Seaside
	ILMH	ILMH	ILMH	ILMH
201	●●◆■	●◆◆■	◆■◆■	◆■◆■
304	●●●●	●●●◆	●◆◆■	●◆◆■
316	○●●○	○●●●	○●●◆	○●◆■

○Excellent ● Good ◆ OK ■ Not good

Remark: I : Indoor Environment L : Low temperature, low moisture  
M : Ordinary Environment H : High temperature, high moisture

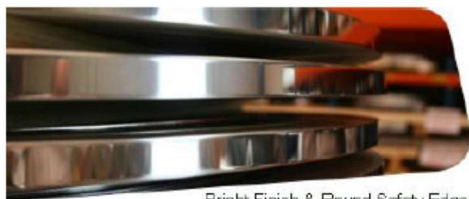
General Use Purpose



**Type 201 Stainless Steel Band-Strap Band** This is the standard choice of TSONG® banding products, bright finish with a combination of high strength and quality appearance, this economy steel offering very high strength, clean appearance and good resistance to oxidation and weathering. This non-magnetic material is the choice for municipal and industrial markets.

- Offers good resistance to oxidation and many moderate corrosive agents
- Bright finish and 2B finish are available
- Imprint on the band for identification
- No. 3 slitting edge, No.5 Deburred and No.1Round edges for your choice.
- Durable plastic tote dispensers available at higher cost

Remark: This type band is not suitable for use at seaside.



Bright Finish & Round Safety Edges

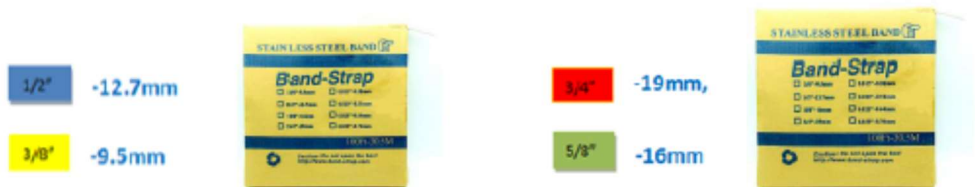
- No 3 Slit Edge
- No 5 Deburred Edge
- No 1 Round Edge



Part No.	Material	Width		Thickness		Average Breaking Strength(lbs)	Package Quantity	Match-sized Buckle
		Inch	mm	Inch	mm			
NTBS	201SS	1/4	6.4	0.020	0.51	500	100'/roll	NTB
TBS001	201SS	3/8	9.5	0.025	0.64	900	100'/roll (YELLOW)	TB001
TBS002	201SS	1/2	12.7	0.030	0.76	1500	100'/roll (BLUE)	TB002
TBS003	201SS	5/8	16	0.030	0.76	1875	100'/roll (GREEN)	TB003
TBS004	201SS	3/4	19	0.030	0.76	2250	100'/roll (RED)	TB004
XTBS	201SS	1.0	25.4	0.044	1.10	4400	100'/roll	XTB

- Default packing is in cardboard box, 10boxes/Carton.
- Plastic tote is available for BS001 BS002 BS003 BS004. Cost is \$0.75 higher.
- 1/2", 3/4" Band and Buckle are our most popular products.
- Tool to be used: C001 Banding Tool.

### Packing :



Small box for 3/8",1/2"

Big box for 1/2",3/4"

- 3/4" -19mm,
- 1/2" -12.7mm
- 5/8" -16mm
- 3/8" -9.5mm



Plastic tote in Yellow, Red, Green, Blue. Red :BS004 Green:BS003 Blue:BS002 Yellow:BS001



**Type 304 Stainless Steel Band**

**It`s non-magnetic!**

- Band suitable for light duty applications
- Good corrosion resistance in fresh water and industrial atmospheres

This alloy will provide a very good corrosion resistance in fresh water and industrial atmospheres. Often selected for light duty applications in food processing, chemical, power transmission and cable management.

Part No.	Material	Width		Thickness		Average Breaking Strength(lbs)	Package Quantity
		Inch	mm	Inch	mm		
NBS	304SS	1/4	6.4	0.020	0.51	420	100`/roll
BS001	304SS	3/8	9.5	0.020	0.64	780	100`/roll
BS002	304SS	1/2	12.7	0.030	0.76	1250	100`/roll (Blue)
BS003	304SS	5/8	16	0.030	0.76	1575	100`/roll (GREEN)
BS004	304SS	3/4	19	0.030	0.76	1880	100`/roll (RED)
XBS	304SS	1.0	25.4	0.044	1.10	3640	100`/roll

**Chemical composition:**

C	Si	Mn	P	S	Cr	Ni	Cu	N	Mo	Ti
0.045	0.650	1.04	0.043	0.0014	18.05	8.02		0.0559	0.090	

**Mechanical Properties:**

Standard	T.S.(MPa)	Y.S.(MPa)	EL(%)	Hardness(HV)	Origin
ASTM A240 -11	658	308	58%	182	TISCO China

**Type 316 Stainless Steel Band**

- Superior corrosion resistance in typical atmospheres and fresh water
- Available with coating, coated band can be used in salt spray applications.
- Available with a non-toxic polymer coating (PPA 571) that produces low smoke and is halogen free

This alloy provides superior corrosion resistance in fresh water and typical atmospheres and is non-magnetic. Ideal for food process, chemical / agricultural hose assemblies, marine splash zones and some acidic environments.

Part No.	Material	Width		Thickness		Average Breaking Strength(lbs)	Package Quantity
		Inch	mm	Inch	mm		
NBS	316SS	1/4	6.4	0.020	0.51	400	100`/roll
BS001	316SS	3/8	9.5	0.025	0.64	750	100`/roll (Yellow)
BS002	316SS	1/2	12.7	0.030	0.76	1200	100`/roll (Blue)
BS003	316SS	5/8	16	0.030	0.76	1500	100`/roll (GREEN)
BS004	316SS	3/4	19	0.030	0.76	1800	100`/roll (RED)





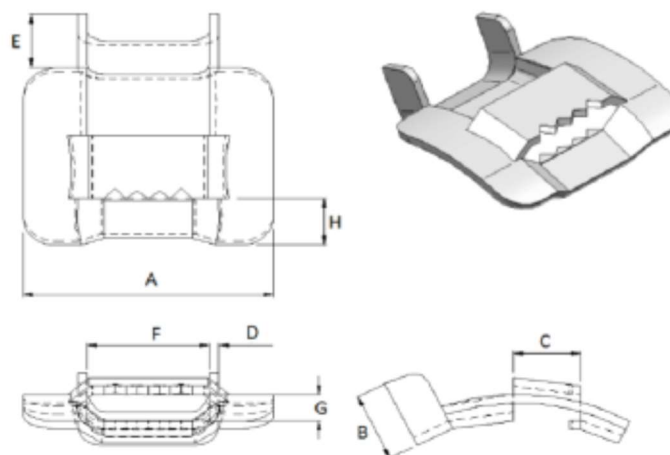
## > Stainless Steel Buckles

The core feature of the stainless steel buckle is its strength. This feature is due to the single stainless steel pressing design which allows for construction without joins or seams.



Item No.	IMPA No.	Thickness	Size		Packing
NTB	614109	0.5mm 1.0mm	1/4"	6.35mm	100pcs/box
TB001	614110	1.0mm	3/8"	9.5mm	100 pcs/box
TB002	614111	1.2mm	1/2"	12.7mm	100 pcs/box
TB003	614112	1.2mm	5/8"	16mm	100 pcs/box
TB004	614113	1.5mm 1.8MM	3/4"	19mm	100 pcs/box
XTB		2.0mm	1"	25mm	25pcs/box

- Available in 201, 304, 316
- For heavy duty purpose, TB004 is thicker than normal 1.5mm.
- 1.5mm TB004 also available on request.



DIMENSIONS mm	A	B	C	D	E	F	G	H	Nº Teeth
BUCKLE OF 19,05 (3/4")	42,4 + - 1	12 + - 1,4	9 + - 0,5	1,5	5,8 + - 1	21 MINIM.	3 MINIMUM	5 Minimum.	4
BUCKLE OF 15,88 ( 5/8")	37,5 + - 1	10,5 + - 1,4	8,5 + - 0,5	1,2	5,5 + - 1	17,5 MINIM.	3 MINIMUM	5 Minimum	4
BUCKLE OF 12,7 ( 1/2")	32,5 + - 1	9,5 + 1,4	8,5 + - 0,5	1,2	5,3 + - 1	14 MINIMUM	3 MINIMUM	4 Minimum	3 MINIMUM
BUCKLE OF 9,56 ( 3/8")	24 + - 1	8,2 + - 1,4	6 + - 0,5	1,2	3,4 + - 1	10 MINIMUM	2,5 MINIMUM	3 Minimum	3 MINIMUM



## Wing Seals-Stainless Steel Clip

Wing Seals are designed for use with light gauge banding. They are produced to hold tightly the stainless steel banding in place after tensioning of the banding around the cladding or insulation materials. They are easily closed with a hammer on any surface and in any position.



Item No.	Description	Thickness	Packing	Weight
NTW	1/4"	0.7mm	100pcs/bag	-----
TW001	3/8"	0.7mm	100 pcs/box	180g
TW002	1/2"	0.8mm	100 pcs/box	300g
TW003	5/8"	0.8mm	100 pcs/box	420g
TW004	3/4"	1.2mm	100 pcs/box	720g

## Stainless Steel Banding Screw Buckles

The screw buckle allows for a stainless steel clamp installation that can be removed and/or adjusted and can accommodate a double-wrap application if required. Screw buckles are used in applications when a temporary clamp is desired or space limitations do not allow a tool roll-over. A set screw locks the band after tensioning.



Item No.	Description	Thickness	Packing	IMPA
NTS	1/4"	1.0mm	50pcs/box	614115
TS001	3/8"	1.5mm	50 pcs/box	614116
TS002	1/2"	1.5mm	25 pcs/box	614117
TS003	5/8"	1.8mm	25 pcs/box	614118
TS004	3/4"	2.0mm	25 pcs/box	614119

## ➤ Plastic Dispensers

### Why use a plastic dispenser?

1. It's easier to pull band from the dispenser as well as return the extra than the cardboard boxes.
2. The see-through design eliminates the risk of running out of band at jobsite, it's easy to see how much band left before leaving the shop.
3. The various colors denote specific band widths for easy identification.
4. They hold up when rain, heat, cold or simple rough-handling occur.



G1 Type



G2 Type



G3 Type



## Sign fixing System



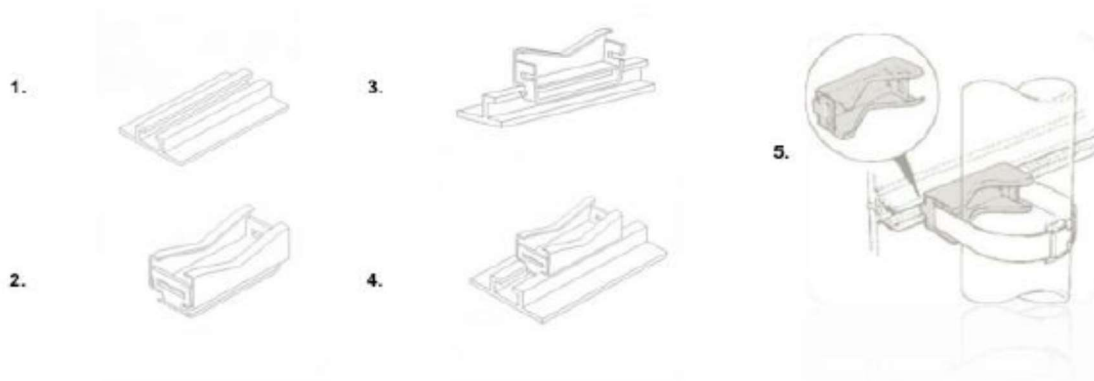
### ➤ Universal Channel Clamps/UCC

Universal Channel Clamp for fixing all types and sizes of sign that incorporate channel sections to the rear. The clamp slides into the extruded channel sections and then accepts Stainless Steel Band to facilitate the fixing of the sign to any size or shape of post, pole or column.



Item No.	Applications	Matched-Channel
UCC 30-17	Light Duty Small Signs	In17
UCC 70-17	Light Duty Large Signs	
UCC30-22	Heavy Duty Small Signs	In22
UCC70-22	Heavy Duty Large Signs	

### ✦ How does the universal channel clamp works?



The UCC two pieces design features a saddle that slides into the channel. The UCC accepts all bands up to 3/4" (19mm), as the band tightens, the saddle clamps tightly against the channel holding the sign securely in place.

### ➤ The ARC (Anti-Rotational Clip) Clips For Round Posts

The AISI304 ARC (Anti-Rotational Clip) is supplied complete with 1 xM8 bolt assembly. Fast, simple sign installations are achieved by inserting the 'foot' into channel, and twisting the clip through 90°. The other end of the clip is then secured by 1 bolt. Raised pips on the inner face of these one-piece clips help prevent sign rotation. ARC clips are suitable for all types of Channel extrusions.



Item No.	Pole Diameter
ARC 050	50mm (2")
ARC 060	60mm (2 3/8")
ARC 076	76mm (3")
ARC 089	89mm (3 1/2")
ARC 102	102mm (4")
ARC 114	114mm (4 1/2")





**C001**

**C002**

**Banding Tool C001 & C002 ( Tensioner & Cutter )**

*C001 Standard tool    C002 Heavy duty tool*

C001 & C002 banding tool is for use on stainless steel band widths of 3/16" to 3/4" and comes with a spin handle retaining ring to keep parts intact. This tool has been around for more than 50 years and is still considered to be a favorite for installing and forming stainless steel clamps.

- Delivers up to 2400 lbs of force and cuts off the tail of the clamp
- Used to apply stainless steel banding/strapping
- Drop forged with spin tension handle, spring loaded gripper and built-in strapping cutter with a vinyl coated handle. Available in blue/black, rust resistant finish.



*Ratchet Tool C002*



*JV joint Tool C003*

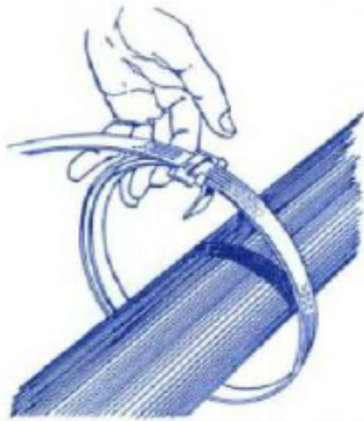


*Center Punch Tool C004*

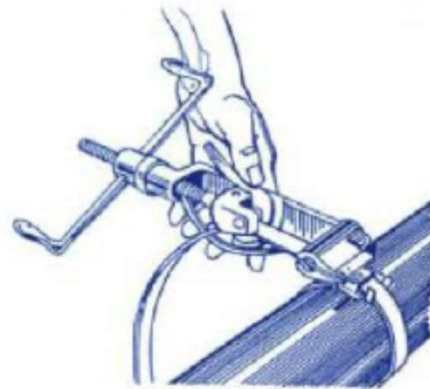




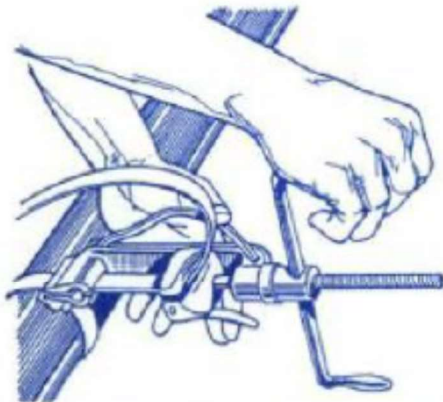
**INSTRUCTIONS**



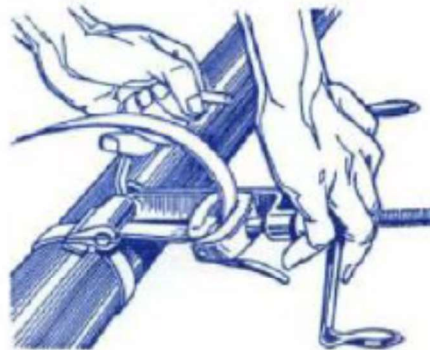
1. Pull band from roll. Insert buckle on band, ears away from installer. Bend end of band under buckle. Encircle object bringing band through buckle again. You may double wrap for additional radial compression.



2. Insert band in tool nose slot and slide. With thumb on band gripper lever, tighten by turning tool handle. When band ceases moving through buckle, stop turning the handle.



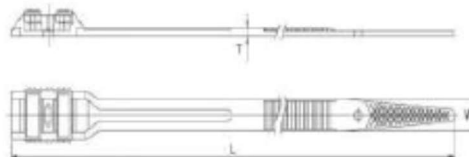
3. Roll tool over buckle while reversing the handle one turn.



4. Pull handle to cut band. Remove the tool. Push band stub between the ears, then hammer completing the assembly.



## ➤ PA66 Nylon Cable Ties



### ■ Characteristics

- **Material:** UL-certified nylon 66, 94V-2. Heat resistant, anti-acid, insulating & anti-aging (UL file: E223722).
- **Standard Color:** White, black, other colors are available on request.
- **Operation Temp.:** From -30°C to 85°C.

### ■ Specifications

Sizes	Length (L)		Width (W) mm	Max.Bundle Diameter (mm)	Min.Tensile Strength		Packing
	mm	Inch			lbs	kgs	
ATS-9×180	180	7"	9.0	45	80	35	100pcs
ATS-9×265	265	10.4"	9.0	78	120	55	
ATS-9×360	360	14.2"	9.0	100	120	55	

## ➤ HS-519 CABLE TIE TOOL



- Applicable width: 2.4 -9.5 mm & thickness up to 2.3mm
- Application: for fastening cable and wire quickly, cutting left parts: manual.
- Function: fastening and cable and wire
- Length: 195mm
- Weight: 0.26 kg

## ➤ Ball-locking stainless steel cable tie



Stainless Steel Ball Locking Cable ties are very quick and easy to use. They are extremely non-corrosive, making them highly suited to aggressive environments, such as marine cable bundling. These marine grade ball lock cable ties are supplied either coated or uncoated to suit the customers' requirements

Available in: 201, 304, 316L



Item No.	Max Bundle Dia		Length Approx		Width Approx		Min Loop Tensile		Pkg. Qty.
	inch	mm	inch	mm	inch	mm	lbs	Kg	
	TS-125A	0.8	20	5	125	0.181	4.6	100	45.4
TS-152A	1	25	6	152					
TS-200A	2	50	8	200					
TS-250A	2.4	60	10	250					
TS-300A	3	75	12	300					
TS-360A	3.7	95	14	360	0.315	7.9	250	113.4	50
TS-201B	1.8	45	8	201					
TS-266B	2.4	60	10	266					
TS-300B	3	75	12	300					
TS-362B	3.7	95	14	362					
TS-521B	5.7	145	20	521					



<p>Standard Banding Tool</p>		<p>For SS banding 1/4"-3/4" Thickness ≤ 0.8mm 1.8KG</p>
<p>Banding tool Heavy Duty</p>		<p>For SS banding 1/4"-1-1/4" Thickness ≤ 1.5mm Weight: 3KGS</p>
<p>Ratchet Banding Tool</p>		<p>For SS banding 1/4"-3/4" Thickness ≤ 0.8mm 1.8KG</p>
<p>Center Punch Tool</p>		<p>For SS clamps 1/4"-5/8" Thickness ≤ 0.8mm 1.8kg</p>
<p>Ratchet CV Joint Clamping Tool</p>		<p>For SS banding 1/4"-3/8" Thickness ≤ 0.6mm Weight: 0.5kg</p>
<p>CV Boot banding tool</p>		<p>For SS banding 1/4"-3/8" Thickness ≤ 0.6mm Weight: 0.5kg</p>
<p>12" Steel Strapping Cutter Available in Red / Yellow</p>		<p>Length: 300mm Cutting : 20MM Thickness: 1.2mm Weight: 0.8kg Packing: 20PCS/Carton</p>
<p>18" Steel Strapping Cutter Available in Red / Yellow</p>		<p>Length: 450mm Cutting : 32MM Thickness: 1.2mm Weight: 1.25kg Packing: 12PCS/Carton</p>
<p>24" Steel Strapping Cutter Available in Red / Yellow</p>		<p>Length: 600mm Cutting : 50MM Thickness: 1.6mm Weight: 2.45kg Packing: 6PCS/Carton</p>



<p>24"Steel Strapping Cutter</p>		<p>Length: 600mm                  Cutting :50MM                  Thickness:1.6mm                  Weight:2.5kg                  Packing:6PCS/Carton</p>
<p>24"Steel Strapping Cutter</p>		<p>Length: 640mm                  Cutting :50MM                  Thickness:1.6mm                  Weight:2.6kg                  Packing:6PCS/Carton</p>
<p>Duck-billed Steel Strapping Cutter                  H400                  Stainless Steel/steel Strapping</p>		<p>Length: 600/125 65mm                  610*170*70                  Cutting : ≤55MM                  Thickness: ≤3mm                  Weight:3.15kg                  Packing:6PCS/Carton</p>