

USABAND™

A  COMPANY



**TRUSTED BANDING FOR
CRITICAL APPLICATIONS**

USABAND™

A  COMPANY

3001 N. 4th Street, Enid
OK 73701, USA
Telephone +(800) 962-8772
Fax +(580) 701-2125
www.usaband.com



APPLICATIONS

**Chemical Plants / Mining / Equipment
Offshore Oil Rigs / Plant Maintenance
Entertainment / Ship Yard / Food Processing
Solar Energy / Telecommunications
Government / MRO / Disaster Recovery**

PRODUCT BENEFITS

- *Quick and easy application by hand or with tools.*
 - *Thousands of applications.*
- *Durable, can be unfastened and reused again and again without breaking.*
 - *Ideal for indoor and outdoor use.*
- *Secure installation and strong enough to resist vibration*
- *Nontoxic and flameproof with low smoke.*
 - *Nonconductive cable tie coating.*
- *High resistance to corrosion; sand, salt, acids, temperatures and chemicals.*
 - *Flexible even at low temperatures.*
- *Lasts much longer than standard nylon ties.*

BANDING

TYPE 201 STAINLESS STEEL - 100 Ft. Per Roll in Cardboard Carton

Catalog Number	Width		Thickness		Weight	
	inches	mm	inches	mm	lbs	kg
812202	¼	6.35	0.020	0.51	1.7	0.9
812203	⅜	9.53	0.025	0.63	3.2	1.6
812171	½	12.70	0.025	0.63		
812181	⅝	15.88	0.025	0.63		
812191	¾	19.05	0.025	0.63		
812204	½	12.70	0.030	0.76	5.1	2.4
812205	⅝	15.88	0.030	0.76	6.4	3.0
812206	¾	19.05	0.030	0.76	7.7	3.6



HEAVY DUTY BANDING

Heavy duty banding is available in Type 201 stainless steel bright finish as well as the duller Matte finish (upon request). It is used for heavy-duty clamping applications. The .044" thick band in Type 201 stainless steel has a breaking strength of 5,500 lbs. double wrapped clamps are recommended for maximum strength.

Catalog Number	Width		Thickness		Weight	
	inches	mm	inches	mm	lbs	kg
812430	¾	19.05	0.044	1.12	11.6	5.4
812431	1	25.40	0.044	1.12	13.7	6.9
812432	1¼	31.75	0.044	1.12	17.2	8.6



TYPE 316 STAINLESS STEEL BAND - In Cardboard Boxes 100 Ft Per Roll

Catalog Number	Width		Thickness		Weight	
	inches	mm	inches	mm	lbs	kg
812403	⅜	9.53	0.025	0.63	3.2	1.6
812404	½	12.70	0.030	0.76	5.6	2.4
812405	⅝	15.88	0.030	0.76	6.5	3.0
812406	¾	19.05	0.030	0.76	7.9	3.6



GALVANIZED CARBON STEEL - In Cardboard Box - 100 Ft. Per Roll

Catalog Number	Width		Thickness		Weight	
	inches	mm	inches	mm	lbs	kg
812303	⅜	9.53	0.025	0.63	3.3	1.6
812304	½	12.70	0.030	0.76	5.1	2.4
812305	⅝	15.88	0.030	0.76	6.4	3.0
812306	¾	19.05	0.030	0.76	7.7	3.6



All **USABAND** 100 ft banding is also offered in special corrugated plastic.

Call for other length availability

TOTES

USABAND stainless steel band now available in handy, waterproof plastic packaging. The totes are color-coded for easy identification. The totes come in a variety of steel types, such as 201 (shiny and matte finish) and 316. The totes are 100 ft. per roll (30.5m).

Catalog Number	Width		Thickness		Weight	
	inches	mm	inches	mm	lbs	kg
812203 T	3/8	9.53	0.025	0.63	3.3	1.6
812204 T	1/2	12.70	0.030	0.76	5.1	2.4
812205 T	5/8	15.88	0.030	0.76	6.4	3.0
812206 T	3/4	19.05	0.030	0.76	7.7	3.6
812430 T	3/4	19.05	0.044	1.12	12.1	8.2



BUCKLES & CLIPS

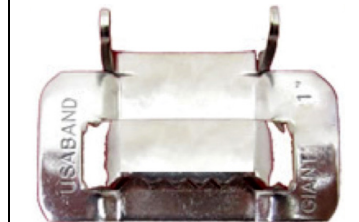
TYPE 201 STAINLESS STEEL BUCKLES - In Cardboard Boxes 100 Per Box

Catalog Number	Width				Weight	
	inches	mm	inches	mm	lbs	kg
812252	1/4	6.35			0.3	0.1
812253	3/8	9.53			0.8	0.4
812254	1/2	12.70			2.1	1.0
812255	5/8	15.88			2.5	1.1
812256	3/4	19.05			3.7	1.7



TYPE 316 STAINLESS STEEL BUCKLES - In Cardboard Boxes 100 Pcs Per Box

Catalog Number	Width				Weight	
	inches	mm	inches	mm	lbs	kg
812453	3/8	9.53			0.97	0.44
812454	1/2	12.70			2.89	1.30
812455	5/8	15.88			3.10	1.40
812456	3/4	19.05			4.20	1.90



TYPE 201 STAINLESS STEEL HD BUCKLES - Package Quantity 25

Heavy Duty Buckles are offered in widths and metals to correspond to HD band. Clamps may be double wrapped for extra strength.

Catalog Number	Width				Weight	
	inches	mm	inches	mm	lbs	kg
812440	3/4	19.05			1.9	0.9
812441	1	25.40			2.5	1.1
812442	1 1/4	31.75			3.3	1.5



A-SCREW LOCK BUCKLES - STAINLESS STEEL (TYPE 304 SST.)

Catalog Number	Width		Weight		Pkg. Qty.
	inches	mm	Lbs	Kg	
812724	1/2	12.70	0.55	0.25	25
812725	5/8	15.88	0.75	0.34	25
812726	3/4	19.05	0.95	0.43	25



USABAND - CLIPS - Stainless Steel Band Clips (TYPE 304 SST.)

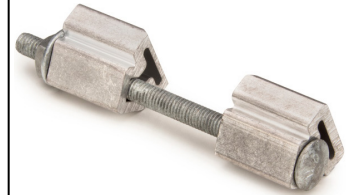
Catalog Number	Width		Weight		Qty. Per Box
	inches	mm	Lbs	Kg	
812153	3/8	9.53	0.5	0.2	100
812154	1/2	12.70	1.0	0.2	100
812155	5/8	15.88	1.1	0.2	100
812156	3/4	19.05	2.0	0.2	100



BOLT CLAMPS - Sold by Each

Extruded aluminum fittings with galvanized plated bolt, nut and washer. To be used with **USABAND** bands for mounting pole hardware.

Catalog Number	Description
812500	Bolt clamp for use with USABAND 3/4" (812206) band. Includes galv. nut, bolt 3/8 - 16 x 6" and washer.
812504	Bolt clamp for use with USABAND 1 1/4" (812432) band. Includes galv. nut and 5/8 - 11 x 8" and washer.



SIGN MOUNTING BRACKETS

1-BOLT STRAIGHT - Leg Bracket (0.75" Thick) / Qty. 50 per box

Catalog Number	Description	Weight	
		lbs	kg
812100	Stainless steel bracket with SS bolt washer and nylon washer.	3.3	1.6



1-BOLT FLARED - Leg Bracket (0.75" Thick) / Qty. 50 per box

Catalog Number	Description	Weight	
		lbs	kg
812021	Stainless steel bracket with SS bolt washer and nylon washer.	7.3	3.3



USABAND also offer 2-Bolt flared leg and straight leg bracket upon request.

POLE MOUNTING HARDWARE

MOUNTING PLATES - *Secure With Band and Buckles – Sold by Each*

Strapping holds this extruded aluminum mounting plate to utility poles.
Includes plated 5/8" - 11 x 2" bolt and nut.

Catalog <small>Number</small>	Description
812510	Mounting Plates - 1½" x 4:" with 2" Galv. Bolt
812512	Heavy Duty Mounting Plate 1½" x 5¼" with 2" or 3" Galv. Bolt



DEAD END GUY - *Sold By Each*

Catalog <small>Number</small>	Description
812514	Non-insulated Dead End Guy w/extruded aluminum pole mts bracket and cast aluminum cable mount. Dead End Guy comes fully assembled with 5/8" x 3" clevis pin and 3/16" x 1½" cotter pin.

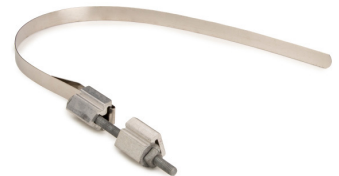


812500 TO BE USED WITH 3/4" (812206) BOLT/BAND ASSEMBLIES

Catalog <small>Number</small>	Description	Pole dia. <small>inches</small>	Range <small>cm</small>
812343	812500 w/36" of 812206	8" - 10"	20 - 25
812345	812500 w/36" of 812206	10" - 13"	25 - 33
812346	812500 w/36" of 812206	13" - 17"	33 - 43
812347	812500 w/36" of 812206	17" - 21"	43 - 53

812504 TO BE USED WITH 1 1/4" (812432) BOLT/BAND ASSEMBLIES

812143	812504 with 36" of 812432	8" - 10"	20 - 25
812145	812504 with 48" of 812432	10" - 13"	25 - 33
812146	812504 with 60" of 812432	13" - 17"	33 - 43
812147	812504 with 72" of 812432	17" - 21"	43 - 53
812148	812504 with 80" of 812432	21" - 24"	53 - 61

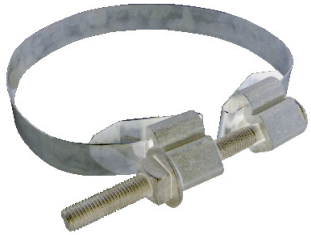


POLE HARDWARE MOUNTING KIT

Each kit contains one mounting plate and two - bolt clamp assemblies w/pre-cut band.
(Prices on request)

Catalog Number	Description	Pole dia. inches	Range cm
850343	1 pc - 812510 and 2 pcs - 812343	8" - 10"	20 - 25
850345	1 pc - 812510 and 2 pcs - 812345	10" - 13"	25 - 33
850346	1 pc - 812510 and 2 pcs - 812346	13" - 17"	33 - 43
850347	1 pc - 812510 and 2 pcs - 812347	17" - 21"	43 - 53
850348	1 pc - 812510 and 2 pcs - 812348	21" - 24"	53 - 61

850143	1 pc - 812504 and 2 pcs - 812143	8" - 10"	20 - 25
850145	1 pc - 812504 and 2 pcs - 812145	10" - 13"	25 - 33
850146	1 pc - 812504 and 2 pcs - 812146	13" - 17"	33 - 43
850147	1 pc - 812504 and 2 pcs - 812147	17" - 21"	43 - 53
850148	1 pc - 812504 and 2 pcs - 812148	21" - 24"	53 - 61



TOOLS

USABAND TOOL - To Be Used With USABAND Light Duty Banding and Buckles

A drop forged tool with tensioning capability of over 2,400 lbs. and a built-in cutter. New, improved features include: A spring loaded gripper lever for improved banding tensioning. A friction held cutoff lever with plastic grip for easier operation. Permanent lubrication on the tension screw to extend tool life and speed clamping. A zinc plated chromate finish to provide superior corrosion resistance. A spin handle retaining ring keeps parts in tact. The banding tool is used to apply USABAND banding buckles and strapping.

Catalog
Number

Description

812001	The Banding Tool Pkg Qty 1. Wt 4.4 lbs (2.0 kg)
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HEAVY DUTY TOOL

The USABAND Heavy Duty Tool has all the improved features of our standard duty tool. This HD Tool measures 16 1/2 in length and is designed to have a tension capacity of 6,600 lbs. The USABAND Heavy Duty Tool must be used with USABAND Heavy Duty banding and buckles only.

Catalog
Number

Description

812110	The HD Tool Pkg Qty 1. Wt 11.7 lbs(5.3 kg)
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SPECIFICATION SHEET

METALS DATA SHEET

AISI TYPE NUMBER OR NAME	201		201L		301		302		304	
PRINCIPAL	C	0.15 Max.	C	0.03 Max.	C	0.15 Max.	C	0.15 Max.	C	0.08 Max.
ALLOYING ELEMENTS %	Mn	5.50 - 7.50	Mn	5.50 - 7.50	Mn	2.00 Max.	Mn	2.00 Max.	Mn	2.00 Max.
	Si	1.00 Max.	Si	1.00 Max.	Si	1.00 Max.	Si	1.00 Max.	Si	1.00 Max.
	Cr	16.0 - 18.0	Cr	16.0 - 18.0	Cr	16.0 - 18.0	Cr	17.0 - 19.0	Cr	18.0 - 20.0
	Ni	3.50 - 5.50	Ni	3.50 - 5.50	Ni	6.00 - 8.00	Ni	8.00 - 10.00	Ni	8.00 - 10.5
	N	0.25 Max.	N	0.25 Max.						
PHYSICAL PROPERTIES										
Density Lb. / Cu. In.	0.28		0.28		0.29		0.29		0.29	
Mod. of elasticity in tension x 10 ⁴ Lb. /Sq. In.	28.6		28.6		28.0		28.0		28.0	
Structure	Austenitic		Austenitic		Austenitic		Austenitic		Austenitic	
Specific heat, B.t.u/ °F./Lb./32 - 212 °F.	0.12		0.12		0.12		0.12		0.12	
Thermal conductivity	212°F.		212°F.		212°F.		212°F.		212°F.	
B.t.u/Sq. Ft./Hr. °F./Ft.	932°F.		932°F.		932°F.		932°F.		932°F.	
Mean coefficient of thermal expansion per °F. x 10 ⁻⁴	32 - 212 °F.		32 - 212 °F.		32 - 212 °F.		32 - 212 °F.		32 - 212 °F.	
	32 - 600 °F.		32 - 600 °F.		32 - 600 °F.		32 - 600 °F.		32 - 600 °F.	
	32 - 1000 °F.		32 - 1000 °F.		32 - 1000 °F.		32 - 1000 °F.		32 - 1000 °F.	
	32 - 1200 °F.		32 - 1200 °F.		32 - 1200 °F.		32 - 1200 °F.		32 - 1200 °F.	
Melting Range	2550 - 2650°F.		2550 - 2650°F.		2550 - 2590°F.		2550 - 2590°F.		2550 - 2650°F.	
ELECTRICAL PROPERTIES										
Magnetic permeability, annealed elec. resistivity, microhm-cm. 70°F.	Non-magnetic μ = 1.02 69.0		Non-magnetic μ = 1.02 69.0		Non-magnetic μ = 1.02 72.0		Non-magnetic μ = 1.008 72.0		Non-magnetic μ = 1.008 70.0	
MECHANICAL PROPERTIES										
Rockwell Hardness	90 - 95RB		20 - 30RC		75 - 95RB		70 - 90RB		70 - 90RB	
Ultimate - Min. spec. (PSI)	100.000		120.000		-		-		75.000	
Tensile Strength typical (PSI)	115.000		135.000		105.000		80.000		80.000	
Yield strength band - Min. spec. (PSI)	45.000		85.000		-		-		30.000	
Typical (PSI)	60.000		90.000		55.000		45.000		45.000	
Elongation band - Min. spec. [%] in 2 inches. Typical [%]	40 55		40 45		-		-		-	
Ductility, annealed - olsen, inches	0.425 - 0.500		0.425 - 0.500		0.425 - 0.500		0.400 - 0.450		0.400 - 0.450	
Creep strength	At 1000°F.		-		-		17.000		17.000	
Life of 10.000hrs.	At 1100°F.		-		-		12.000		12.000	
With 1% elongation	At 1200°F.		-		-		7.000		7.000	
Lb./Sq. In.	At 1300°F.		-		-		4.000		4.000	
Strength at elevated	1300°F.		37.500		37.500		35.500		36.000	
Temps. short time	1500°F.		23.000		23.000		22.500		22.000	
Test Lb./Sq. In.	1700°F.		11.000		11.000		11.000		13.500	
HEAT TREATMENT	Non-Hardening		Non-Hardening		Non-Hardening		Non-Hardening		Non-Hardening	
HEAT RESISTANCE										
Continuous service	1550°F.		1550°F.		1650°F.		1650°F.		1700°F.	
Scaling temperature Intermittent service	1400°F.		1400°F.		1500°F.		1500°F.		1550°F.	
WELDING PROPERTIES										
	Very good Tough welds		Very good Tough welds		Very good Tough welds		Very good Tough welds		Very good Tough welds	
CORROSION RESISTANCE										
Mild atmospheric and fresh water	Good		Good		Good		Very good		Very good	
Industrial atmosphere	Good		Good		Good		Very good		Very good	
Marine atmosphere	Fair		Fair		Fair		Good		Good	
Salt water	No		No		No		No		No	
Mild chemical	Fair		Fair		Fair		Fair		Good	
Oxidizing chemical	Fair		Fair		Fair		Fair		Good	
Reducing chemical	No		No		No		No		No	

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CONTACT

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✉ mike@usaband.net

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