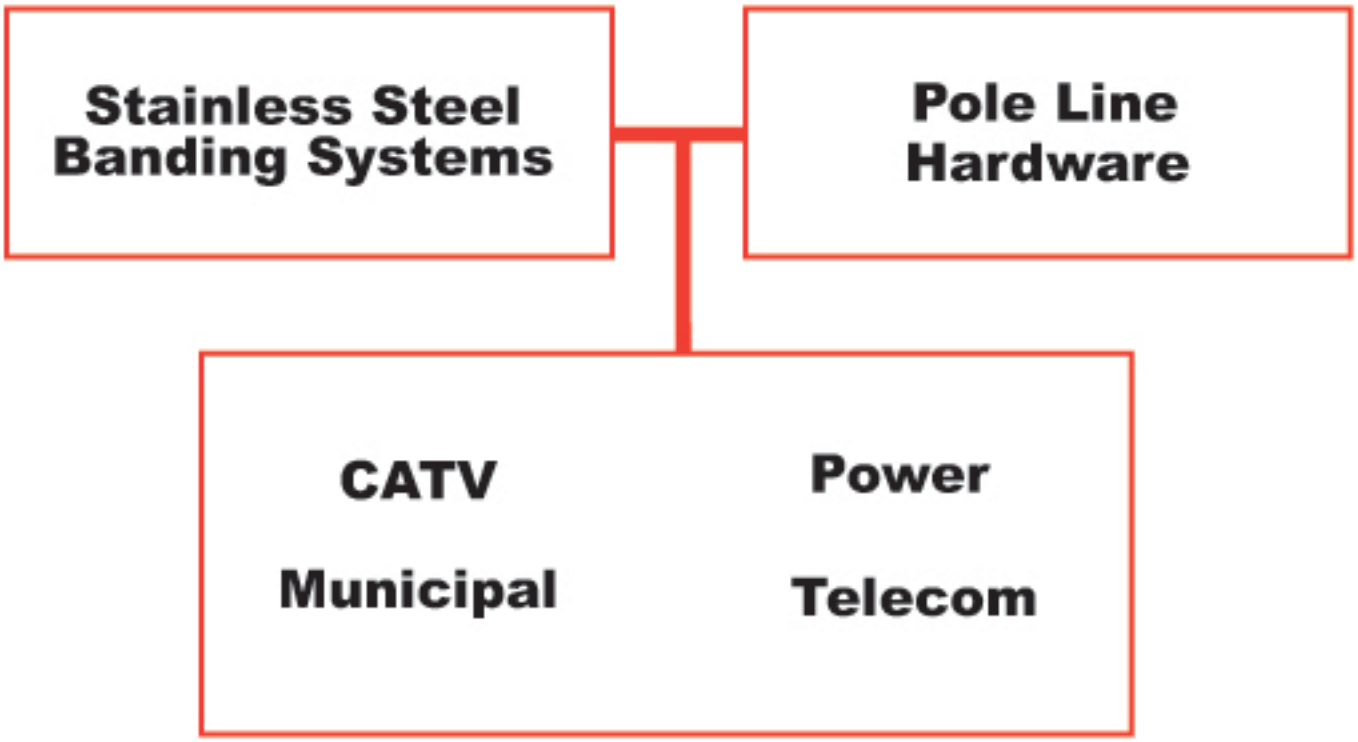
USABAND™

"Over 60 years of American Quality"



The Banding Experts

USABAND

"Over 60 Years of American Quality"

Suggested List Prices May 1, 2004

Standard Duty Banding, Buckles and Tool

TYPE 201 STAINLESS BAND — 100ft./Roll Plastic Dispensing Safety Carton

Catalog Number	Width Inches	Width m m	Thickness Inches	Thickness m m	Weight Lbs	Weight Kg
812202	¼	6.35	.020	0.51	1.7	0.9
812203	⅜	9.53	.025	0.63	3.2	1.6
812204	½	12.70	.030	0.76	5.1	2.4
812205	⅝	15.88	.030	0.76	6.4	3.0
812206	¾	19.05	.030	0.76	7.7	3.6

Available in mill coil lengths.

TYPE 201 STAINLESS STEEL BUCKLES — Package Quantity — 100

Catalog Number	Width Inches	Width m m	Weight Lbs	Weight Kg
812252	¼	6.35	0.3	0.1
812253	⅜	9.53	0.8	0.4
812254	½	12.70	2.1	1.0
812255	⅝	15.88	2.4	1.1
812256	¾	19.05	3.7	1.7

TYPE 316 STAINLESS STEEL BAND – 100ft./Roll Plastic Dispensing Safety Carton

Catalog Number	Width Inches	Width m m	Thickness Inches	Thickness m m	Weight Lbs	Weight Kg
812402	¼	6.35	0.020	0.51	1.7	0.9
812403	⅜	9.53	0.025	0.63	3.2	1.6
812404	½	12.70	0.030	0.76	5.1	2.4
812405	⅝	15.88	0.030	0.76	6.4	3.0
812406	¾	19.05	0.030	0.76	7.7	3.6

Available in mill coil lengths.

TYPE 316 STAINLESS STEEL BUCKLES — Package Quantity — 100

Catalog Number	Width Inches	Width m m	Weight Lbs	Weight Kg
812452	¼	6.35	0.3	0.1
812453	⅜	9.53	0.8	0.4
812454	½	12.70	2.1	1.0
812455	⅝	15.88	2.4	1.1
812456	¾	19.05	3.7	1.7

TOOL

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 band 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 to keep parts intact. The **USABAND Tool** is used to apply Banding and Buckles.

Catalog Number	Description
812001	Standard Duty BandingTool Wt 4.4 lbs (2.0 kg)
812043	Close Quarter Tension Nut replaces tool tension handle when space is limited.
812006	Tension Screw/Handle Kit

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Heavy Duty Banding, Buckles & Tool

HD Band is available in Type 201 stainless steel or galvanized carbon steel. It is used for heavy-duty banding applications. The 1¼" band in 201 stainless steel has a breaking strength of 5,500 lbs.Double wrapped banding is recommended for maximum strength.

BAND — 100 Ft. Per Roll **Matte Finish**

Catalog	Width		Thickness		Weight	
Number	Inches	m m	Inches	m m	Lbs	Kg
Stainless Steel						
812430	¾	19.05	.044	1.12	11.6	5.4
812431	1	25.40	.044	1.12	13.7	6.4
812432	1¼	31.75	.044	1.12	17.2	8.0
Galvanized Carbon Steel						
812433	¾	19.05	.048	1.14	11.5	5.2
812434	1	25.40	.048	1.14	15.3	6.9
812435	1¼	31.75	.048	1.14	19.1	8.6

Buckles

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

TYPE 201/301 STAINLESS STEEL — Package Quantity 25

Catalog	Width		Weight	
Number	Inches	m m	Lbs	Kg
812440	¾	19.05	1.8	0.8
812441	1	25.40	2.4	1.1
812442	1¼	31.75	3.2	1.4

Tool

The HD Tool must be used to apply heavy duty band. Measuring 16½" in length, it is designed to pull up to 6,000 lbs.

Catalog Number	Description	
812110	HD Banding Tool	Wt 11.7 lbs (5.3 Kg)

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Misc. Banding and Buckles

TYPE 317L STAINLESS STEEL BAND — ¼ Hard 300 Ft. Per Roll *Special Order*

Catalog Number	Width Inches	Width m m	Thickness Inches	Thickness m m	Weight Lbs	Weight Kg
812423	⅜	9.53	0.020	0.51	7.8	3.5
812424	½	12.70	0.020	0.51	10.2	4.6
812425	⅝	15.88	0.020	0.51	12.8	5.8
812426	¾	19.05	0.020	0.51	15.3	6.9
812413	⅜	9.53	0.030	0.76	11.9	5.3
812414	½	12.70	0.030	0.76	15.9	7.2
812415	⅝	15.88	0.030	0.76	19.9	9.0
812416	¾	19.05	0.030	0.76	23.9	10.8

Buckles

SCREW LOCK BUCKLES — Stainless Steel *Special Order*

Catalog Number	Width Inches	Width m m	Weight Lbs	Weight Kg	Pkg. Qty.
812720	¼	6.35	0.3	0.1	50
812722	⅜	9.53	0.8	0.4	50
812724	½	12.70	2.1	1.0	25
812725	⅝	15.88	2.4	1.1	25
812726	¾	19.05	3.7	1.7	25

MONEL 400 BAND — 100 Ft. Per Roll *Special Order*

Catalog Number	Width Inches	Width m m	Thickness Inches	Thickness m m	Weight Lbs	Weight Kg
812803	⅜	9.53	0.025	0.63	3.7	1.7
812804	½	12.70	0.030	0.76	5.1	2.4
812805	⅝	15.88	0.030	0.76	6.4	3.0
812806	¾	19.05	0.030	0.76	7.7	3.6

MONEL BUCKLES — Package Quantity - 100 per Box *Special Order*

Catalog Number	Width Inches	Width m m	Weight Lbs	Weight Kg
812853	⅜	9.53	0.8	0.4
812854	½	12.70	2.1	1.0
812855	⅝	15.88	2.1	1.1
812856	¾	19.05	3.7	1.7

MONEL BUCKLES
For use with corresponding sizes of Monel Band.

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Light Duty Banding and Buckles

BAND .015" (.38 mm) THICK — 200 - 300 Stainless Steel

Catalog Number	Width Inches	Width mm	Weight Lbs	Weight Kg	Package Quantity
812133	⅜	9.53	2.2	1.0	100 Ft. Roll
812134	½	12.70	2.9	1.3	100 Ft. Roll
812135	⅝	15.88	3.6	1.7	100 Ft. Roll
812136	¾	19.05	4.4	2.0	100 Ft. Roll
812127	⅜	9.53	4.0	2.0	200 Ft. Roll
812128	½	12.70	5.8	2.6	200 Ft. Roll
812129	⅝	15.88	7.3	3.2	200 Ft. Roll
812130	¾	19.05	8.8	3.9	200 Ft. Roll

Band

BAND .020" (.51 mm) THICK — 200 - 300 Stainless Steel

Catalog Number	Width Inches	Width mm	Weight Lbs	Weight Kg	Package Quantity
812161	⅜	9.53	2.9	1.3	100 Ft. Roll
812171	½	12.70	3.8	1.7	100 Ft. Roll
812181	⅝	15.88	5.6	2.6	100 Ft. Roll
812191	¾	19.05	5.7	2.5	100 Ft. Roll
812163	⅜	9.53	5.6	2.5	200 Ft. Roll
812173	½	12.70	7.6	3.4	200 Ft. Roll
812183	⅝	15.88	11.2	5.1	200 Ft. Roll
812193	¾	19.05	11.3	5.0	200 Ft. Roll

Clips

TYPE 304 STAINLESS STEEL — Package Quantity - 100 Per Box

Catalog Number	Width Inches	Width m m	Weight Lbs	Weight Kg
812153	⅜	9.53	0.8	0.4
812154	½	12.70	2.1	1.0
812155	⅝	15.88	2.4	1.1
812156	¾	19.05	3.7	1.7

Clips

For use with all light duty band.

Band

BAND .025" (.64 mm) THICK — 200 - 300 Stainless Steel

Catalog Number	Width Inches	Width mm	Weight Lbs	Weight Kg	Package Quantity
812144	½	12.70	4.5	2.0	100 Ft. Roll
812145	⅝	15.88	5.6	2.6	100 Ft. Roll
812146	¾	19.05	6.7	3.0	100 Ft. Roll
812148	½	12.70	9.0	4.1	200 Ft. Roll
812149	⅝	15.88	11.2	5.1	200 Ft. Roll
812150	¾	19.05	13.4	6.1	200 Ft. Roll

Band Type 304 — Stainless Steel — 200 Ft. Per Roll

Catalog Number	Width Inches	Width m m	Thickness Inches	Thickness m m	Weight Lbs	Weight Kg
812903	⅜	9.53	0.015	0.38	4.4	2.0
812904	½	12.70	0.015	0.38	5.8	2.6
812905	⅝	15.88	0.015	0.38	7.3	3.2
812906	¾	19.05	0.015	0.38	8.8	3.9
812913	⅜	9.53	0.020	0.51	5.9	2.7
812914	½	12.70	0.020	0.51	7.6	3.4
812915	⅝	15.88	0.020	0.51	9.5	4.3
812916	¾	19.05	0.020	0.51	11.3	5.0

Light Duty Banding

Applications: Insulation banding, cable bundling and other lightweight applications.

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Sign Mounting Brackets and Hardware

1-BOLT STRAIGHT LEG BRACKET (.075" THICK) — 50 Per Package

Catalog Number	Description	Weight Lbs	Kg
812100	Stainless Steel with SS Bolt, Washer and Nylon Washer	7.3	3.3
812004	Stainless Steel, No Bolt or Washer	5.9	2.7

1-BOLT FLARED LEG BRACKET (.075" THICK) — 50 Per Package

Catalog Number	Description	Weight Lbs	Kg
812021	Stainless Steel,with SS Bolt, Washer and Nylon Washer	7.6	3.5
812022	Stainless Steel, No Bolt or Washer	6.0	2.7

2-BOLT STRAIGHT LEG (.075" THICK) — 50 Per Package *Special Order*

Catalog Number	Description	Weight Lbs	Kg
812008	Stainless Steel with SS Bolt, Washer and Nylon Washer	9.6	4.4
812009	Stainless Steel, No Bolt or Washer	7.1	3.2

BOLTS — 50 Per Box

Catalog Number	Description
812002	Stainless Steel Bolts for Stainless Steel Brackets (5/16 - 18x ¾" Long Hex Head)

Small Brackets *Special Order*

STAINLESS STEEL BRACKETS (For ⅜" and ½" width band) — 50 Per Package

Catalog Number	Description	Weight Lbs	Kg
812310	Flared Leg (.052 Thick/1.3 mm) with SS Bolt, Nylon Washer, ½" Slot	3.2	1.5
812315	Straight Leg (.052 Thick/1.3 mm) with SS Bolt, Nylon Washer	3.2	1.5

Mounting Brackets, Banner Rods, Mounting Plates and Bolt/Clamps

TRAFFIC SIGNAL/BANNER ROD MOUNTING BRACKETS — 25 Per Box *Special Order*

Die cast aluminum brackets strap to poles to mount traffic signal lights, large street signs or banner rods. Use ¾" x .030" stainless band and buckles.

Catalog Number	Description	Weight Lbs
812040	Standard Mount - NPT 1½" d. Hole	20.0
812045	Narrow Mount - NPT 1½" d. Hole	19.5
812075	Extended Hub - NPT 1½" d. Hole	25.0

THREAD & HANG™ FIBERGLASS BANNER ROD — 25 Per Box *Special Order*

Strong, non-rusting banner mounting system for long lasting installations. Order a mount bracket for each pole. Rod length 3-4". Threads into 040 Aluminum Bracket.

Catalog Number	Description	Weight Lbs
812-50	Fiberglass Rod w/Threaded Insert	40.0

MOUNTING PLATES — Secure with band and buckles

Strapping holds this extruded aluminum mounting plate to utility poles. Includes plated bolt and nut, unless otherwise stated.

Catalog Number	Description	Weight Lbs
812510	Mounting Plate 1½" x 4¾" with 2" Plated Bolt	.60
812512	Heavy Duty Mounting Plate 1½" x 5¼" with 2" Plated Bolt	.85
812512.3	Heavy Duty Mounting Plate 1½" x 5¼" with 3" Plated Bolt	1.0
812513	Heavy Duty Mounting Plate 1½" x 5¼" with 3" Plated Bolt	1.0

BOLT/CLAMPS

Extruded aluminum fittings with zinc plated bolt, nut and washer. To be used with Band for mounting pole hardware.

Catalog Number	Description	Weight Lbs
812500	Bolt/Clamp for use with ¾" 812206 band. Includes plated nut, bolt ⅜ - 16 x 6" and washer.	.50
812504	HD Bolt/Clamp for use with 1¼" 812432 band. Includes plated nut, bolt ⅝ - 11 x 8" and washer.	1.25

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BOLT/BAND ASSEMBLES

Special Order

Catalog Number	Description	Pole Dia Inches	Min Lbs.	Breaking Strength
812343	812500 w/ 36" of 812206	8" to 10"	5200	2340
812344	812500 w/ 40" of 812206	8" to 11"	5100	2210
812345	812500 w/ 48" of 812206	10" to 13"	4600	2070
812346	812500 w/ 60" of 812206	13" to 17"	4000	1800
812347	812500 w/ 72" of 812206	17" to 21"	3500	1575
812348	812500 w/ 80" of 812206	21" to 24"	3300	1485
812143	812504 w/ 36" of 812432	8" to 10"	12300	5535
812144	812504 w/ 40" of 812432	8" to 11"	11900	5300
812145	812504 w/ 48" of 812432	10" to 13"	10200	4590
812146	812504 w/ 60" of 812432	13" to 17"	8900	4005
812147	812504 w/ 72" of 812432	17" to 21"	7900	3555
812148	812504 w/ 80" of 812432	21" to 24"	7400	3330
812149	812504 w/ 86" of 812432	23" to 26"	7250	3250
812151	812504 w/ 144" of 812432	27" to 32"	5500	2950
812152	812504 w/ 96 " of 812432	25" to 28"	7000	3180

Pole Hardware Mounting Kit — Each kit contains one mounting plate and two-bolt clamp assemblies with pre-cut band.(Prices on request.) ***Special Order***

Catalog Number	Description	Pole Dia. Inches	Range Cm
850343	1pc -812510 and 2pcs - 812343	8" to 10"	20 to 25
850345	1pc - 812510 and 2pcs - 812345	10" to 13"	25 to 33
850346	1pc - 812510 and 2pcs - 812346	13" to 17"	33 to 43
850347	1pc - 812510 and 2pcs - 812347	17" to 21"	43 to 53
850348	1pc - 812510 and 2pcs - 812348	21" to 24"	53 to 61
850143	1pc - 812512 and 2pcs - 812143	8" to 10"	20 to 25
850145	1pc - 812512 and 2pcs - 812145	10" to 13"	25 to 33
850146	1pc - 812512 and 2pcs - 812146	13" to 17"	33 to 43
850147	1pc - 812512 and 2pcs - 812147	17" to 21"	43 to 53
850148	1pc - 812512 and 2pcs - 812148	21" to 24"	53 to 61
850149	1pc - 812512 and 2pcs - 812149	24" to 27"	61 to 69

***Prices on Other Sizes Upon Request.**

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TYPICAL MINIMUM BREAKING STRENGTH OF USABAND BANDS:

(VALUES SHOWN IN POUNDS)

STAINLESS STEEL:

THICKNESS	WIDTH	TYPE	FORCE
.015	3/8	201	450
.015	1/2	201	600
.015	5/8	201	750
.015	3/4	201	900
.020	1/4	201	500
.020	1/4	316	400
.023	3/8	201	675
.023	1/2	201	955
.023	5/8	201	1125
.023	3/4	201	1435
.025	3/8	201	900
.025	3/8	316	750
.030	1/2	201	1500
.030	1/2	316	1200
.030	5/8	201	1875
.030	5/8	316	1500
.030	3/4	201	2250
.030	3/4	316	1800
.044	3/4	201	3300
.044	1	201	4400
.044	1 1/4	201	5500
.044	1 1/2	201	6600

CARBON STEEL:

THICKNESS	WIDTH	FORCE
.025	3/8	700
.030	1/2	1125
.030	5/8	1405
.030	3/4	1690
.048	3/4	2700
.048	1	3600
.048	1 1/4	4500

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316	317L	410	430	Monel 400	Inconel 625	Titanium GR1	GCS 1045-1055
C 0.08 Max. Mn 2.00 Max. Si 1.00 Max. Cr 16.00-18.00 Ni 10.00-14.00 Mo 2.00- 3.00	C 0.08 Max. Mn 2.00 Max. Si 1.00 Max. Ni 11.00-15.00 Cr 18.00-20.00 P .04 Max. S .03 Max. Mo 3.00- 4.00	C 0.15 Max. Cr 11.50-13.50 Mn 1.00 Max. Si 1.00 Max. P 0.040 Max. S 0.030 Max.	C 0.12 Max. Cr 16.00-18.00 Mn 1.00 Max. Si 1.00 Max. P 0.040 Max. S 0.030 Max.	C 0.30 Max. Mn 1.25 Max. Si 0.50 Max. Ni 63.0-70.0 Cu 31.5 Fe 1.25 Max. S 0.024 Max.	C 0.1 Max. Cr 20.0-23.0 Mn 0.5 Max. Mo 8.0-10.0 Ti 0.4 Max. Fe 2.5 Max. AL 0.4 Max. Ni Balance	C .10 Max. N .03 Max. H .015 Max. O .18 Max. Fe .20 Max. Ti Balance	C .40-60 Mn .60-.90 P .040 Max. S .050 Max.
0.29	0.29	0.28	0.28	.319	.305	.163	.283
28.0	28.0	29.0	29.0	26.0	30.0	15.0	30
Austenitic	Austenitic	Martensitic	Ferritic	—	—	Alpha	Ferritic
0.12	0.12	0.11	0.11	.099	.095	.124	.12
9.4 12.4	9.4 12.4	14.4 16.6	15.1 15.2	14.0 21.0	— —	10 11	29.3 21.9
8.9 9.0 9.7 10.3	8.9 9.0 9.7 10.3	5.5 6.3 6.4 6.5	5.8 6.1 6.3 6.6	7.7 8.8 9.1 9.3	— — — —	4.6 5.3 5.5 5.7	6.3 7.3 7.9 8.2
2500-2550°F.	2500-2550°F.	2700-2790°F.	2600-2750°F.	2370-2460°F.	2350-2460°F.	3030-3050°F.	—
Non-Magnetic μ = 1.008 74.0	Non-Magnetic μ = 1.008 74.0	Magnetic μ = 700-1000 57.0	Magnetic μ = 600-1100 60.0	— — 5.1	Non-Magnetic 1.006 12.9	Non-Magnetic 1.00005 4.20	Magnetic 1500-2000 17.2
70-85 R_B	70-85 R_B	75-85 R_B	75-90 R_B	60-80 R_B	88-94 R_B	64-70 R_B	80-95 R_B
80,000 90,000	75,000 85,000	65,000 85,000	65,000 75,000	70,000 75,000	120,000 130,000	35,000 46,000	75,000 80,000
35,000 50,000	30,000 45,000	35,000 60,000	40,000 55,000	32,000 40,000	60,000 75,000	25,000 31,000	55,000 65,000
35 45	35 45	20 30	20 25	35 40	30 40	40 50	10 14
0.400-0.500	0.400-0.500	.275-.350	.300-.400	—	—	—	—
22,400 16,800 11,200 6,900	22,400 16,800 11,200 6,900	12,000 5,500 2,600 1,600	8,400 4,900 2,200 1,400	— — — —	— — — —	— — — —	— — — —
48,000 28,000 18,000	48,000 28,000 18,000	15,000 9,000 8,500	15,000 8,000 5,000	— — —	— — —	— — —	— — —
Non-Hardening	Non-Hardening	Heat Treatable	Non-Hardening	—	Non-Hardening	Non-Hardening	Annealed
1700°F. 1550°F.	1700°F. 1550°F.	1300°F. 1450°F.	1550°F. 1650°F.	1000°F. 1100°F.	2000°F.	—	—
Very Good Tough Welds	Good Tough Welds	Fair, Preheat 400-500°F. Anneal 1250°F. After Welding	Fair, Non-Ductile Welds. Some Response to Annealing.	Good	Good	Good	Good
Excellent Very Good Very Good Good Good Good Good	Excellent Very Good Very Good Good Very Good Good Good	Good Fair Poor No Fair No No	Good Good Poor No Fair Fair No	Good Good Excellent Excellent Good Good Good	Good Good Excellent Excellent Good Good Good	Good Good Good Good Good	Good/Fair Fair Poor No No No No
Marine, Chemical, Food, Petroleum, Paper, Textile, Medical	Pulp/Paper Chemical	Hardware, Fasteners, Cutlery, Machinery Parts, Rifle Barrels, Tools -Seal Screws	Interior Architecture, Automotive Trim	Electronics, Marine, Chemical, Petroleum	Chemical, Nuclear, Aerospace, Marine	Corrosive Service Good for Machinery Weldable	Indoor Mild Atmosphere
316 Band/Buckle Clamps	317L Band for Paper Mills - Special Applications			Special	Special	Special	Band/Buckle Preformed Clamps Brack-Its

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METALS DATA SHEET

AISI TYPE NUMBER OR NAME	201	201L	301	302	304
PRINCIPAL ALLOYING ELEMENTS, %	C 0.15 Max. Mn 5.50- 7.50 Si 1.00 Max. Cr 16.00-18.00 Ni 3.50- 5.50 N 0.25 Max.	C 0.03 Max. Mn 5.50- 7.50 Si 1.00 Max. Cr 16.00-18.00 Ni 3.50- 5.50 N 0.25 Max.	C 0.15 Max. Mn 2.00 Max. Si 1.00 Max. Cr 16.00-18.00 Ni 6.00- 8.00	C 0.15 Max. Mn 2.00 Max. Si 1.00 Max. Cr 17.00-19.00 Ni 8.00-10.00	C 0.08 Max. Mn 2.00 Max. Si 1.00 Max. Cr 18.00-20.00 Ni 8.00-10.50
PHYSICAL PROPERTIES Density, Lb./Cu. In.	0.28	0.28	0.29	0.29	0.29
Mod. of Elasticity in Tension × 10^6 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. B.t.u./Sq. Ft./Hr.°F./Ft. 932°F.	9.4 12.4	9.4 12.4	9.4 12.4	9.4 12.4	9.4 12.4
Mean Coefficient 32-212°F. of Thermal 32-600°F. Expansion 32-1000°F. Per °F. × 10^{-6} 32-1200°F.	8.7 9.7 10.2 —	9.0 10.0 10.5 —	9.4 9.5 10.1 —	9.6 9.9 10.2 10.4	9.6 9.9 10.2 10.4
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	90-95 R_B	20-30 R_C	75-95 R_B	70-90 R_B	70-90 R_B
Ultimate, Min. Spec. [PSI] Tensile Strength, Typical [PSI]	100,000 115,000	120,000 135,000	— 105,000	— 80,000	75,000 80,000
Yield Strength, Band- Min. Spec. [PSI] Typical [PSI]	45,000 60,000	85,000 90,000	— 55,000	— 45,000	30,000 45,000
Elongation, Band- Min. Spec. [%] in 2 Inches, Typical [%]	40 55	40 45	— 50	— 50	30 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. Life of 10,000 Hrs. At 1100°F. with 1% Elongation, At 1200°F. Lb./Sq. In. At 1300°F.	— — — —	— — — —	— — — —	17,000 12,000 7,000 4,000	17,000 12,000 7,000 4,000
Strength at Elevated 1300°F. Temps., Short Time 1500°F. Tests, Lb./Sq. In. 1700°F.	37,500 23,000 11,000	37,500 23,000 11,000	35,500 22,500 11,000	36,000 22,000 13,500	36,000 22,000 13,500
HEAT TREATMENT	Non-Hardening	Non-Hardening	Non-Hardening	Non-Hardening	Non-Hardening
HEAT-RESISTANCE Continuous Service Scaling Temperature Intermittent Service	1550°F. 1400°F.	1550°F. 1400°F.	1650°F. 1500°F.	1650°F. 1500°F.	1700°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 Industrial Atmosphere Marine Atmosphere Salt Water Mild Chemical Oxidizing Chemical Reducing Chemical	 Good Good Fair No Fair Fair No	 Good Good Fair No Fair Fair No	 Good Good Fair No Fair Fair No	 Very Good Very Good Good No Fair Fair No	 Very Good Very Good Good No Good Good No