

# **BAND-IT®**

ENGINEERED FASTENING SOLUTIONS

## **2026 PRODUCT SOLUTIONS GUIDE**

**BAND-IT'S INDUSTRIAL APPLICATIONS**

*STAINLESS STEEL FASTENING AND BANDING*

**HOSE CLAMPING  
& IDENTIFICATION**



**CABLE MANAGEMENT**



**INFRASTRUCTURE**



[www.band-it-idex.com](http://www.band-it-idex.com)

# **ESSENTIALLY EVERYWHERE**

***BAND-IT® is an innovative clamping solutions company providing service and value second to none!***



Founded in Denver, Colorado in 1937, BAND-IT® is acknowledged as the world leader in quality engineered fastening solutions. A unit of IDEX corporation, BAND-IT® has an international network of representatives and distributors, with manufacturing and distribution facilities serving users worldwide.



## Certificates

As demonstration of our ongoing commitment to excellence, quality and environmental management, BAND-IT is proud to display the following certificates of compliance to the prestigious International Standards:

- ISO 9001
- ISO 14001
- ISO/TS16949

Since becoming ISO/TS certified, BAND-IT® continues to seek new and innovative ways to manufacture products through our continuous efforts upgrading equipment, employee training and internal quality assurance in our quest to deliver the best products within the market place to our customers.

## Patents:

6,014,792 - Ultra-Lok® band clamp including separately attached buckle

- 6,260,704 B - Band tote assembly
- 6,481,467 - Pneumatic Automatic Air Tool S350
- 7,650,680 - Improved dimple locking method for bundling objects
- 7,484,274 - Free end band and seal
- 8,146,212 - Free end band

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# Banding Applications

## General Use

### BAND-IT Band

- 201 SS, bright annealed finish with a combination of high strength and quality appearance
- Offers good resistance to oxidation and many moderate corrosive agents
- EASY SCALE - imprint on the band to quickly determine band length
- Durable plastic tote dispensers available

### Giant Band

- Our widest and thickest band
- Available in 201 SS bright annealed
- Application Tools: C00369 (for 3/4" band only), and G40269

### VALU-STRAP™, VALU-STRAP Plus™, and Valuband

- Economical band suitable for light duty applications
- Thickness: 0.015", 0.020", 0.025"
- Application Tools: C00169, C00369, C07569, C08569, C40099 and J02069

### Galvanized Carbon Steel Band

- Utilized for low cost and non corrosive applications
- Good strength
- Application Tools: C00169, C00369, C07569, C08569, and C40099

## Corrosion Resistant

### 304 Stainless Steel Band

- Band suitable for light duty applications
- Good corrosion resistance in fresh water and industrial atmospheres
- Application Tools: C00169, C00369, C07569, C08569, and C40099

### 316 Coated & Uncoated Stainless Steel Band

- Superior corrosion resistance in typical atmospheres and fresh water
- 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
- Application Tools for coated: C07569, C08569, and C40099
- Application Tools for uncoated: C00169, C00369, C07569, C08569, and C40099

### 317L Stainless Steel Band

- Superior corrosion resistance in industrial and marine atmospheres, salt water, and mild chemicals
- Application Tools: C00169, C00369, and C40099

### Alloy 400 Band

- Superior corrosion resistance in marine, salt water, and harsh chemical environments
- Application Tools: C00169, C00369, C07569, C08569 and C40099

## Special Purpose

### All Purpose Band

- Evenly spaced holes allow fastening with screw or nut and bolt
- Available with a non-toxic polymer coating (PPA 571) that produces low smoke and is halogen free

### COLOR-IT®

- 12 stocked colors
- Speciality colors available upon request (minimum quantity applies)

### Ultra-Lok® Banding System

- Designed for quick installation, highest clamping force and gap-free inside diameter.
- 201 1/4 hard SS band provides greater material strength allowing tighter clamps and can be double wrapped for additional strength



# General Use Band & Buckle

## Type 201 Stainless Steel

This is the standard choice of BAND-IT products, 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.

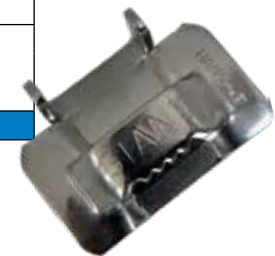
### BAND-IT® Band 201 Stainless Steel

| Part No.                                                                                                                | Material | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity      | Weight |     | Application Tools                                                     |
|-------------------------------------------------------------------------------------------------------------------------|----------|-------|------|-----------|------|---------------------------------|-----------------------|--------|-----|-----------------------------------------------------------------------|
|                                                                                                                         |          | in    | mm   | in        | mm   |                                 |                       | lbs    | kg  |                                                                       |
| 201 Stainless Steel BAND-IT® Band                                                                                       |          |       |      |           |      |                                 |                       |        |     |                                                                       |
| C20299                                                                                                                  | 201 SS   | 1/4   | 6.4  | 0.020     | 0.51 | 500                             | 100'/Roll             | 1.7    | 0.7 | C00169<br>C001DA<br>C00369<br>C07569*<br>C08569*<br>C40099<br>J02069* |
| C20399                                                                                                                  | 201 SS   | 3/8   | 9.6  | 0.025     | 0.64 | 900                             | 100'/Roll             | 3.2    | 1.5 |                                                                       |
| C203Y9                                                                                                                  | 201 SS   | 3/8   | 9.6  | 0.025     | 0.64 | 900                             | Yellow Tote 100'/Roll | 3.6    | 1.6 |                                                                       |
| C20499                                                                                                                  | 201 SS   | 1/2   | 12.7 | 0.030     | 0.76 | 1500                            | 100'/Roll             | 5.1    | 2.3 |                                                                       |
| C204B9                                                                                                                  | 201 SS   | 1/2   | 12.7 | 0.030     | 0.76 | 1500                            | Blue Tote 100'/Roll   | 5.5    | 2.5 |                                                                       |
| C20599                                                                                                                  | 201 SS   | 5/8   | 15.8 | 0.030     | 0.76 | 1875                            | 100'/Roll             | 6.4    | 2.9 |                                                                       |
| C205G9                                                                                                                  | 201 SS   | 5/8   | 15.8 | 0.030     | 0.76 | 1875                            | Green Tote 100'/Roll  | 6.8    | 3.1 |                                                                       |
| C20699                                                                                                                  | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 2250                            | 100'/Roll             | 7.7    | 3.5 |                                                                       |
| C206R9                                                                                                                  | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 2250                            | Red Tote 100'/Roll    | 8.2    | 3.7 |                                                                       |
| BAND-IT® Buckle Ear-Lokt Style                                                                                          |          |       |      |           |      |                                 |                       |        |     |                                                                       |
| C25299**                                                                                                                | 201 SS   | 1/4   | 6.4  |           |      |                                 | 100/Box               | 0.3    | 0.1 |                                                                       |
| C25399                                                                                                                  | 201 SS   | 3/8   | 9.6  |           |      |                                 | 100/Box               | 0.8    | 0.4 |                                                                       |
| C25499                                                                                                                  | 201 SS   | 1/2   | 12.7 |           |      |                                 | 100/Box               | 2.1    | 1.0 |                                                                       |
| C25599                                                                                                                  | 201 SS   | 5/8   | 15.8 |           |      |                                 | 100/Box               | 2.4    | 1.1 |                                                                       |
| C25699                                                                                                                  | 201 SS   | 3/4   | 19.1 |           |      |                                 | 100/Box               | 3.7    | 1.7 |                                                                       |
| C25699TL***                                                                                                             | 201 SS   | 3/4   | 19.1 |           |      |                                 | 100/Box               | 4.5    | 2.0 |                                                                       |
| *The J02069 can be used with 3/8" maximum width product. C07569 / C08569 tools for use on max 0.025" (0.63mm) thickness |          |       |      |           |      |                                 |                       |        |     |                                                                       |
| ** Clip Style                                                                                                           |          |       |      |           |      |                                 |                       |        |     |                                                                       |
| *** The Tru-Lokt™ buckle's wing feature indicates when proper tension has been reached!                                 |          |       |      |           |      |                                 |                       |        |     |                                                                       |



## Giant Band 201 Stainless Steel

| Part No.                         | Material | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity | Weight |     | Finish | Application Tools |
|----------------------------------|----------|-------|------|-----------|------|---------------------------------|------------------|--------|-----|--------|-------------------|
|                                  |          | in    | mm   | in        | mm   |                                 |                  | lbs    | kg  |        |                   |
| Giant Band                       |          |       |      |           |      |                                 |                  |        |     |        |                   |
| G43099*                          | 201 SS   | 3/4   | 19.1 | 0.044     | 1.10 | 3300                            | 100'/Roll        | 11.6   | 5.4 |        | C00369<br>G40269  |
| G43199                           | 201 SS   | 1     | 25.4 | 0.044     | 1.10 | 4400                            | 100'/Roll        | 13.7   | 6.4 |        | G40269            |
| G43299                           | 201 SS   | 1-1/4 | 31.8 | 0.044     | 1.10 | 5500                            | 100'/Roll        | 17.2   | 8.0 |        |                   |
| Giant Buckle Ear-Lokt Style      |          |       |      |           |      |                                 |                  |        |     |        |                   |
| G44099                           | 201 SS   | 3/4   | 19.1 |           |      |                                 | 25/Box           | 1.8    | 0.8 |        |                   |
| G44199                           | 201 SS   | 1     | 25.4 |           |      |                                 | 25/Box           | 2.4    | 1.1 |        |                   |
| G44299                           | 201 SS   | 1-1/4 | 31.8 |           |      |                                 | 25/Box           | 3.2    | 1.4 |        |                   |
| *C00369 tool to be used for 3/4" |          |       |      |           |      |                                 |                  |        |     |        |                   |



## Scru-Lokt Buckle Stainless Steel

| Part No.                         | Material        | Width |      | Package Quantity | Weight |     | Application Tools |
|----------------------------------|-----------------|-------|------|------------------|--------|-----|-------------------|
|                                  |                 | in    | mm   |                  | lbs    | kg  |                   |
| Stainless Steel Scru-Lokt Buckle |                 |       |      |                  |        |     | Hex Key           |
| C72099                           | 301 SS 1/4 Hard | 1/4   | 6.4  | 50/Box           | 0.3    | 0.1 |                   |
| C72299                           | 301 SS 1/4 Hard | 3/8   | 9.6  | 50/Box           | 0.5    | 0.2 |                   |
| C72499                           | 301 SS 1/4 Hard | 1/2   | 12.7 | 25/Box           | 0.5    | 0.2 |                   |
| C72599                           | 201 SS          | 5/8   | 15.8 | 25/Box           | 0.8    | 0.4 |                   |
| C72699                           | 201 SS          | 3/4   | 19.1 | 25/Box           | 0.9    | 0.4 |                   |
|                                  |                 |       |      |                  |        |     |                   |

BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.

# General Use Band & Buckle

## Type 200-300 Stainless Steel

Also known as Value Series Stainless steel – Typically non-magnetic, this economy steel is suitable for light duty applications when the benefits of stainless steel are required.

**We recommend pairing VALU-STRAP™, VALU-STRAP™ Plus, and Valuband with Stainless Steel Clips or Stainless Steel Valuclips.**

### VALU-STRAP™ Band Stainless Steel

| Part No.    | Material   | Width |      | Thickness |      | Package Quantity | Weight |     | Application Tools                              |
|-------------|------------|-------|------|-----------|------|------------------|--------|-----|------------------------------------------------|
|             |            | in    | mm   | in        | mm   |                  | lbs    | kg  |                                                |
| VALU-STRAP™ |            |       |      |           |      |                  |        |     |                                                |
| C12399      | 200/300 SS | 3/8   | 9.5  | 0.015     | 0.38 | 300'/Roll        | 5.7    | 2.6 | C00169<br>C07569<br>C08569<br>C40099<br>J02069 |
| C12499      | 200/300 SS | 1/2   | 12.7 | 0.015     | 0.38 | 300'/Roll        | 7.7    | 3.5 |                                                |
| C12599      | 200/300 SS | 5/8   | 15.8 | 0.015     | 0.38 | 300'/Roll        | 9.7    | 4.4 |                                                |
| C12699      | 200/300 SS | 3/4   | 19.1 | 0.015     | 0.38 | 300'/Roll        | 11.7   | 5.3 |                                                |
| C13399      | 200/300 SS | 3/8   | 9.5  | 0.015     | 0.38 | 100'/Roll        | 2.2    | 1.0 |                                                |
| C13499      | 200/300 SS | 1/2   | 12.7 | 0.015     | 0.38 | 100'/Roll        | 2.9    | 1.3 |                                                |
| C13599      | 200/300 SS | 5/8   | 15.8 | 0.015     | 0.38 | 100'/Roll        | 3.6    | 1.7 |                                                |
| C13699      | 200/300 SS | 3/4   | 19.1 | 0.015     | 0.38 | 100'/Roll        | 4.4    | 2.0 |                                                |

\*Not available in the US



### VALU-STRAP™ Plus Band Stainless Steel

| Part No.         | Material   | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity | Weight |     | Application Tools                                        |
|------------------|------------|-------|------|-----------|------|---------------------------------|------------------|--------|-----|----------------------------------------------------------|
|                  |            | in    | mm   | in        | mm   |                                 |                  | lbs    | kg  |                                                          |
| VALU-STRAP™ Plus |            |       |      |           |      |                                 |                  |        |     |                                                          |
| C19199           | 200/300 SS | 3/8   | 9.5  | 0.020     | 0.51 | 637                             | 100'/Roll        | 2.8    | 1.3 | C00169<br>C00369<br>C07569<br>C08569<br>C40099<br>J02069 |
| C18189           | 200/300 SS | 1/2   | 12.7 | 0.020     | 0.51 | 850                             | 100'/Roll        | 3.6    | 1.6 |                                                          |
| C17199           | 200/300 SS | 5/8   | 15.8 | 0.020     | 0.51 | 1000                            | 100'/Roll        | 4.5    | 2.0 |                                                          |
| C16189           | 200/300 SS | 3/4   | 19.1 | 0.020     | 0.51 | 1275                            | 100'/Roll        | 5.4    | 2.5 |                                                          |
|                  |            |       |      |           |      |                                 |                  |        |     |                                                          |



### Valuband Stainless Steel

| Part No. | Material   | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity | Weight |     | Application Tools                              |
|----------|------------|-------|------|-----------|------|---------------------------------|------------------|--------|-----|------------------------------------------------|
|          |            | in    | mm   | in        | mm   |                                 |                  | lbs    | kg  |                                                |
| Valuband |            |       |      |           |      |                                 |                  |        |     |                                                |
| C14499   | 200/300 SS | 1/2   | 12.7 | 0.025     | 0.64 | 1000                            | 100'/Roll        | 4.5    | 2.0 | C00169<br>C00369<br>C07569<br>C08569<br>C40099 |
| C14599   | 200/300 SS | 5/8   | 15.8 | 0.025     | 0.64 | 1250                            | 100'/Roll        | 5.6    | 2.6 |                                                |
| C14699   | 200/300 SS | 3/4   | 19.1 | 0.025     | 0.64 | 1590                            | 100'/Roll        | 6.7    | 3.0 |                                                |
|          |            |       |      |           |      |                                 |                  |        |     |                                                |
|          |            |       |      |           |      |                                 |                  |        |     |                                                |



BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.

# General Use Band & Buckle

## Stainless Steel Valuclip

Stainless Steel Valuclicks are generally used for light duty and general banding applications, while our Stainless Steel Clips are used on applications that require more strength. Our Valuclicks are made thinner than our Stainless Steel Clips.

| Part No. | Material   | Width |      | Package Quantity | Weight |     |
|----------|------------|-------|------|------------------|--------|-----|
|          |            | in    | mm   |                  | lbs    | kg  |
| Valuclip |            |       |      |                  |        |     |
| C15399   | 200/300 SS | 3/8   | 9.6  | 100/Box          | 0.6    | 0.3 |
| C15499   | 200/300 SS | 1/2   | 12.7 | 100/Box          | 1.1    | 0.5 |
| C15489   | 200/300 SS | 1/2   | 12.7 | 1000/Box         | 11     | 5   |
| C15599   | 200/300 SS | 5/8   | 15.8 | 100/Box          | 1.2    | 0.5 |
| C15699   | 200/300 SS | 3/4   | 19.1 | 100/Box          | 2.1    | 0.9 |
|          |            |       |      |                  |        |     |



## Stainless Steel Clip

| Part No.             | Material   | Width |      | Package Quantity | Weight |     |
|----------------------|------------|-------|------|------------------|--------|-----|
|                      |            | in    | mm   |                  | lbs    | kg  |
| Stainless Steel Clip |            |       |      |                  |        |     |
| C25299               | 200/300 SS | 1/4   | 6.4  | 100/Box          | 0.3    | 0.1 |
| L15499               | 200/300 SS | 1/2   | 12.7 | 100/Box          | 1.5    | 0.7 |
| L15599               | 200/300 SS | 5/8   | 15.8 | 100/Box          | 1.8    | 0.8 |
| L15699               | 200/300 SS | 3/4   | 19.1 | 100/Box          | 2.6    | 1.2 |
|                      |            |       |      |                  |        |     |



## Galvanized Carbon Steel "GCS"

Carbon steel which has been electro galvanized. This is an economical choice offering medium strength.

## Galvanized Carbon Steel Band

| Part No.                     | Material | Width |      | Thickness |       | Average Breaking Strength (lbs) | Package Quantity | Weight |     | Application Tools                                         |
|------------------------------|----------|-------|------|-----------|-------|---------------------------------|------------------|--------|-----|-----------------------------------------------------------|
|                              |          | in    | mm   | in        | mm    |                                 |                  | lbs    | kg  |                                                           |
| Galvanized Carbon Steel Band |          |       |      |           |       |                                 |                  |        |     |                                                           |
| C30499                       | GCS      | 1/2   | 12.7 | 0.03      | 0.762 | 1125                            | 100'/Roll        | 5.1    | 2.4 | C00169<br>C00369<br>C07569<br>C08569<br>C40099<br>J02069* |
| C30599                       | GCS      | 5/8   | 15.8 | 0.03      | 0.762 | 1405                            | 100'/Roll        | 6.4    | 3.0 |                                                           |
| C30699                       | GCS      | 3/4   | 19.1 | 0.03      | 0.762 | 1690                            | 100'/Roll        | 7.7    | 3.6 |                                                           |
|                              |          |       |      |           |       |                                 |                  |        |     |                                                           |



## Galvanized Carbon Steel Buckle

| Part No.                                | Material | Width |      | Package Quantity | Weight |     |
|-----------------------------------------|----------|-------|------|------------------|--------|-----|
|                                         |          | in    | mm   |                  | lbs    | kg  |
| Galvanized Carbon Steel Ear-Lokt Buckle |          |       |      |                  |        |     |
| C35499                                  | GCS      | 1/2   | 12.7 | 100/Box          | 2.1    | 1.0 |
| C35599                                  | GCS      | 5/8   | 15.8 | 100/Box          | 2.4    | 1.1 |
| C35699                                  | GCS      | 3/4   | 19.1 | 100/Box          | 3.7    | 1.7 |
|                                         |          |       |      |                  |        |     |



BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.

# Corrosion Resistant Band & Buckle

## Type 304 Stainless Steel Band

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 | Weight |     | Application Tools                                         |
|----------------------------------------------------------|----------|-------|------|-----------|------|---------------------------------|------------------|--------|-----|-----------------------------------------------------------|
|                                                          |          | in    | mm   | in        | mm   |                                 |                  | lbs    | kg  |                                                           |
| 304 Stainless Steel Band                                 |          |       |      |           |      |                                 |                  |        |     |                                                           |
| C91399                                                   | 304 SS   | 3/8   | 9.6  | 0.020     | 0.51 | 600                             | 200'/Roll        | 5.9    | 2.7 | C00169<br>C00369<br>C07569<br>C08569<br>C40099<br>J02069* |
| C91499                                                   | 304 SS   | 1/2   | 12.7 | 0.020     | 0.51 | 850                             | 200'/Roll        | 7.6    | 3.4 |                                                           |
| C91599                                                   | 304 SS   | 5/8   | 15.8 | 0.020     | 0.51 | 1000                            | 200'/Roll        | 9.5    | 4.3 |                                                           |
| C91699                                                   | 304 SS   | 3/4   | 19.1 | 0.020     | 0.51 | 1275                            | 200'/Roll        | 11.3   | 5.0 |                                                           |
| *The J02069 can be used with 3/8" maximum width product. |          |       |      |           |      |                                 |                  |        |     |                                                           |

\*The J02069 can be used with 3/8" maximum width product.



## Type 316 Stainless Steel Band (coated & uncoated)

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     | Weight |     | Application Tools                                           |
|-------------------------------------------------------------------------------------------------------------------------|----------|-------|------|-----------|--------|---------------------------------|----------------------|--------|-----|-------------------------------------------------------------|
|                                                                                                                         |          | in    | mm   | in        | mm     |                                 |                      | lbs    | kg  |                                                             |
| 316 Stainless Steel Band Coated                                                                                         |          |       |      |           |        |                                 |                      |        |     |                                                             |
| AE4339                                                                                                                  | 316 SS   | 3/8   | 9.6  | 0.048**   | 1.22** | 505                             | 82.5'/Roll           | 2.6    | 1.2 | C07569<br>C08569                                            |
| AE4349                                                                                                                  | 316 SS   | 1/2   | 12.7 | 0.048**   | 1.22** | 670                             | 82.5'/Roll           | 3.5    | 1.6 |                                                             |
| AE4359                                                                                                                  | 316 SS   | 5/8   | 15.8 | 0.048**   | 1.22** | 840                             | 82.5'/Roll           | 4.4    | 2.0 |                                                             |
| AE4369                                                                                                                  | 316 SS   | 3/4   | 19.1 | 0.048**   | 1.22** | 1000                            | 82.5'/Roll           | 5.3    | 2.4 |                                                             |
| **Material thickness includes PPA 571 coating - Base material thickness is 0.015"                                       |          |       |      |           |        |                                 |                      |        |     |                                                             |
| 316 Stainless Steel Band Uncoated                                                                                       |          |       |      |           |        |                                 |                      |        |     |                                                             |
| C40299                                                                                                                  | 316 SS   | 1/4   | 6.4  | 0.020     | 0.51   | 400                             | 100'/Roll            | 2.0    | 0.9 | C00169<br>C00369<br>C07569*<br>C08569*<br>C40099<br>J02069* |
| C40399                                                                                                                  | 316 SS   | 3/8   | 9.6  | 0.025     | 0.64   | 750                             | 100'/Roll            | 3.5    | 1.6 |                                                             |
| C40499                                                                                                                  | 316 SS   | 1/2   | 12.7 | 0.030     | 0.76   | 1200                            | 100'/Roll            | 4.9    | 2.2 |                                                             |
| C404B9                                                                                                                  | 316 SS   | 1/2   | 12.7 | 0.030     | 0.76   | 1200                            | Blue Tote 100'/Roll  | 5.6    | 2.6 |                                                             |
| C40599                                                                                                                  | 316 SS   | 5/8   | 15.8 | 0.030     | 0.76   | 1500                            | 100'/Roll            | 6.2    | 2.8 |                                                             |
| C405G9                                                                                                                  | 316 SS   | 5/8   | 15.8 | 0.030     | 0.76   | 1500                            | Green Tote 100'/Roll | 6.9    | 3.1 |                                                             |
| C40699                                                                                                                  | 316 SS   | 3/4   | 19.1 | 0.030     | 0.76   | 1800                            | 100'/Roll            | 7.5    | 3.4 |                                                             |
| C406R9                                                                                                                  | 316 SS   | 3/4   | 19.1 | 0.030     | 0.76   | 1800                            | Red Tote 100'/Roll   | 8.2    | 3.7 |                                                             |
| *The J02069 can be used with 3/8" maximum width product. C07569 / C08569 tools for use on max 0.025" (0.63mm) thickness |          |       |      |           |        |                                 |                      |        |     |                                                             |

\*The J02069 can be used with 3/8" maximum width product. C07569 / C08569 tools for use on max 0.025" (0.63mm) thickness



## 316 Stainless Steel Ear-Lokt Buckle

| Part No.                            | Material | Width |      | Package Quantity | Weight |     |
|-------------------------------------|----------|-------|------|------------------|--------|-----|
|                                     |          | in    | mm   |                  | lbs    | kg  |
| 316 Stainless Steel Ear-Lokt Buckle |          |       |      |                  |        |     |
| C45299**                            | 316 SS   | 1/4   | 6.4  | 100/Box          | 0.3    | 0.1 |
| C45399                              | 316 SS   | 3/8   | 9.6  | 100/Box          | 0.8    | 0.4 |
| C45499                              | 316 SS   | 1/2   | 12.7 | 100/Box          | 2.1    | 1.0 |
| C45599                              | 316 SS   | 5/8   | 15.8 | 100/Box          | 2.4    | 1.1 |
| C45699                              | 316 SS   | 3/4   | 19.1 | 100/Box          | 3.7    | 1.7 |
| ** Clip Style                       |          |       |      |                  |        |     |

\*\* Clip Style

## 316 Stainless Steel Clip

| Part No.                 | Material | Width |      | Package Quantity | Weight |     |
|--------------------------|----------|-------|------|------------------|--------|-----|
|                          |          | in    | mm   |                  | lbs    | kg  |
| 316 Stainless Steel Clip |          |       |      |                  |        |     |
| AE4529                   | 316 SS   | 1/4   | 6.4  | 100/Box          | 0.3    | 0.1 |
| AE4539                   | 316 SS   | 3/8   | 9.6  | 100/Box          | 0.6    | 0.3 |
| AE4549                   | 316 SS   | 1/2   | 12.7 | 100/Box          | 1.0    | 0.4 |
| AE4559                   | 316 SS   | 5/8   | 15.8 | 100/Box          | 1.1    | 0.5 |
| AE4569                   | 316 SS   | 3/4   | 19.1 | 100/Box          | 1.3    | 0.6 |
|                          |          |       |      |                  |        |     |

# Corrosion Resistant Band & Buckle

## Type 317L Stainless Steel Band

This alloy has superior corrosion resistance and is typically used to wrap bleach drums in the pulp and paper mills. The "L" indicates a low carbon content, which significantly improves its welding characteristics. May be subject to extended lead times and minimum order quantities. Call for quotes.

| Part No.  | Material         | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity | Weight |      | Application Tools          |
|-----------|------------------|-------|------|-----------|------|---------------------------------|------------------|--------|------|----------------------------|
|           |                  | in    | mm   | in        | mm   |                                 |                  | lbs    | kg   |                            |
| 317L Band |                  |       |      |           |      |                                 |                  |        |      |                            |
| C41399    | 317L 1/4 Hard SS | 3/8   | 9.6  | 0.030     | 0.76 | 1290                            | 300'/Roll        | 11.9   | 5.3  | C00169<br>C00369<br>C40099 |
| C42499    | 317L 1/4 Hard SS | 1/2   | 12.7 | 0.020     | 0.51 | 1160                            | 300'/Roll        | 10.2   | 4.6  |                            |
| C41499    | 317L 1/4 Hard SS | 1/2   | 12.7 | 0.030     | 0.76 | 1725                            | 300'/Roll        | 15.9   | 7.2  |                            |
| C41599    | 317L 1/4 Hard SS | 5/8   | 15.8 | 0.030     | 0.76 | 2150                            | 300'/Roll        | 19.9   | 9.0  |                            |
| C41699    | 317L 1/4 Hard SS | 3/4   | 19.1 | 0.030     | 0.76 | 2580                            | 300'/Roll        | 23.9   | 10.8 |                            |
|           |                  |       |      |           |      |                                 |                  |        |      |                            |



## Alloy 400 Band

This is the material of choice for submerged marine and harsh chemical applications. May be subject to extended lead times and minimum order quantities. Call for quotes.

| Part No.                                                 | Material       | Width |      | Thickness |      | Average Breaking Strength (lbs) | Package Quantity | Weight |     | Application Tools                     |
|----------------------------------------------------------|----------------|-------|------|-----------|------|---------------------------------|------------------|--------|-----|---------------------------------------|
|                                                          |                | in    | mm   | in        | mm   |                                 |                  | lbs    | kg  |                                       |
| Alloy 400 Band                                           |                |       |      |           |      |                                 |                  |        |     |                                       |
| C80399                                                   | Alloy 400 Band | 3/8   | 9.6  | 0.025     | 0.64 | 630                             | 100'/Roll        | 3.7    | 1.7 | C00169<br>C00369<br>C40099<br>J02069* |
| C80599                                                   | Alloy 400 Band | 5/8   | 15.8 | 0.030     | 0.76 | 1310                            | 100'/Roll        | 7.7    | 3.5 |                                       |
| C80699                                                   | Alloy 400 Band | 3/4   | 19.1 | 0.030     | 0.76 | 1595                            | 100'/Roll        | 7.7    | 3.6 |                                       |
| *The J02069 can be used with 3/8" maximum width product. |                |       |      |           |      |                                 |                  |        |     |                                       |



## Alloy 400 Buckle

May be subject to extended lead times and minimum order quantities. Call for quotes.

| Part No.         | Material  | Width |      | Package Quantity | Weight |     |
|------------------|-----------|-------|------|------------------|--------|-----|
|                  |           | in    | mm   |                  | lbs    | kg  |
| Alloy 400 Buckle |           |       |      |                  |        |     |
| C85399           | Alloy 400 | 3/8   | 9.6  | 100/Box          | 0.8    | 0.4 |
| C85599           | Alloy 400 | 5/8   | 15.8 | 100/Box          | 2.4    | 1.0 |
| C85699           | Alloy 400 | 3/4   | 19.1 | 100/Box          | 3.7    | 1.7 |
|                  |           |       |      |                  |        |     |



## Special Purpose Band

### All Purpose Band (coated & uncoated)

| Part No.                                                                              | Material | Width |      | Thickness |      | Diameter of Hole |    | Package Quantity | Weight |     |
|---------------------------------------------------------------------------------------|----------|-------|------|-----------|------|------------------|----|------------------|--------|-----|
|                                                                                       |          | in    | mm   | in        | mm   | in               | mm |                  | lbs    | kg  |
| All Purpose Band PPA571 Coated                                                        |          |       |      |           |      |                  |    |                  |        |     |
| AE4759                                                                                | 316 SS   | 1/2   | 12.7 | 0.050     | 1.3  | 0.19             | 5  | 82.5'/Roll       | 3.1    | 1.4 |
| AE4769                                                                                | 316 SS   | 3/4   | 19.1 | 0.050     | 1.3  | 0.27             | 7  | 82.5'/Roll       | 5.3    | 2.4 |
| AE4779                                                                                | 316 SS   | 1     | 25.4 | 0.050     | 1.3  | 0.31             | 8  | 82.5'/Roll       | 7.3    | 3.3 |
| NOTE: Material thickness includes PPA 571 coating - Base material thickness is 0.030" |          |       |      |           |      |                  |    |                  |        |     |
| All Purpose Band Uncoated                                                             |          |       |      |           |      |                  |    |                  |        |     |
| AE4259                                                                                | 316 SS   | 1/2   | 12.7 | 0.030     | 0.76 | 0.19             | 5  | 82.5'/Roll       | 3.1    | 1.4 |
|                                                                                       |          |       |      |           |      |                  |    |                  |        |     |



BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications.

# General Use Band & Buckle

## Roll Band with COLOR-IT®

| Part No.                                                         | Material   | Width |      | Thickness |      | Package Quantity | Weight |     | Color    | RAL# | Application Tools                                |
|------------------------------------------------------------------|------------|-------|------|-----------|------|------------------|--------|-----|----------|------|--------------------------------------------------|
|                                                                  |            | in    | mm   | in        | mm   |                  | lbs    | kg  |          |      |                                                  |
| Roll Band with COLOR-IT® - Polyester Coating                     |            |       |      |           |      |                  |        |     |          |      |                                                  |
| C144C9-P000                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | White    | 9016 | C00169<br>C00369<br>C07569*<br>C08569*<br>C40099 |
| C144C9-P100                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Red      | 3001 |                                                  |
| C144C9-P200                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Orange   | 2008 |                                                  |
| C144C9-P300                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Yellow   | 1018 |                                                  |
| C144C9-P302                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Tan      | 1001 |                                                  |
| C144C9-P400                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Green    | 6032 |                                                  |
| C144C9-P500                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Blue     | 5002 |                                                  |
| C144C9-P550                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Lt. Blue | 5012 |                                                  |
| C144C9-P600                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Purple   | 4008 |                                                  |
| C144C9-P700                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Gray     | 7036 |                                                  |
| C144C9-P800                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Brown    | 8002 |                                                  |
| C144C9-P900                                                      | 201/301 SS | 1/2   | 12.7 | 0.025     | 0.64 | 100'/Roll        | 4.47   | 2   | Black    | 9004 |                                                  |
| C206C9-P900                                                      | 201/301 SS | 3/4   | 19.1 | 0.030     | 0.76 | 100'/Roll        | 7.6    | 3.4 | Black    | 9004 |                                                  |
| C14599-P000                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | White    | 9016 |                                                  |
| C14599-P100                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Red      | 3001 |                                                  |
| C14599-P200                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Orange   | 2008 |                                                  |
| C14599-P300                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Yellow   | 1018 |                                                  |
| C14599-P302                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Tan      | 1001 |                                                  |
| C14599-P400                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Green    | 6032 |                                                  |
| C14599-P500                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Blue     | 5002 |                                                  |
| C14599-P550                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Lt. Blue | 5012 |                                                  |
| C14599-P600                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Purple   | 4008 |                                                  |
| C14599-P700                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Gray     | 7036 |                                                  |
| C14599-P800                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Brown    | 8002 |                                                  |
| C14599-P900                                                      | 201/301 SS | 5/8   | 15.9 | 0.025     | 0.64 | 100'/Roll        | 5.48   | 2.5 | Black    | 9004 |                                                  |
| Ear-Lokt Buckles with COLOR-IT® - Zinc Coating                   |            |       |      |           |      |                  |        |     |          |      |                                                  |
| LKEC-A08-Z900                                                    | 201/301 SS | 1/2   | 12.7 |           |      | 100/Box          | 1.7    | 0.8 | Black    | 9004 |                                                  |
| BKEC-A12-Z900                                                    | 201/301 SS | 3/4   | 19.1 |           |      | 100/Box          | 3.5    | 1.6 | Black    | 9004 |                                                  |
| * C07569 / C08569 tools for use on max 0.025" (0.63mm) thickness |            |       |      |           |      |                  |        |     |          |      |                                                  |

\* C07569 / C08569 tools for use on max 0.025" (0.63mm) thickness

Colored Roll Band in Tote



| Buckles       |            | Width |      | Package Quantity | Color                     | Buckle Type  |
|---------------|------------|-------|------|------------------|---------------------------|--------------|
| Part No.      | Material   | in    | mm   |                  |                           |              |
| BKVC-A08-Z900 | 201/301 SS | 1/2   | 12.7 | 100/Box          | Black Zinc Coated Buckles | Valu-Clip    |
| BKPC-A10-Z900 | 201/301 SS | 5/8   | 15.8 | 100/Box          | Black Zinc Coated Buckles | Center Punch |



## BAND-IT® Band & Buckle Kit C27699

- Basic starter kit in a polyethylene case

C27699 - 1/2" band & buckle kit: 1- C00169, 1- C20499, 1- C25499 and 1- C72499 (kit weight - 17.2lbs, 7.8kg)

| Kit Includes  |                                  |
|---------------|----------------------------------|
| Part No.      | Description                      |
| C00169        | Banding tool                     |
| C20499        | 100' 1/2" 201 SS Banding         |
| C25499        | Box of 100 1/2" EAR-LOKT Buckles |
| C72499        | Box of 25 1/2" SCR-LOKT Buckles  |
| Carrying Case |                                  |



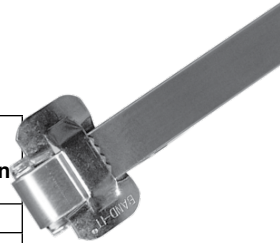
## BAND-FAST®

BAND-FAST® is a pre-cut band with smoother edges that creates a safer and more efficient working environment with decreased installation labor.



### BAND-FAST® Precut and Assembled with Ear-Lokt Buckle

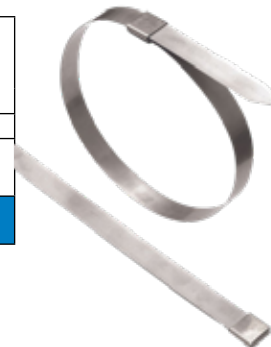
| Part No.                                             | Material | Width |      | Thickness |      | Finished Length |      | Max. Dia. Single Wrap |     | Max. Dia. Double Wrap |     | Package Quantity | Application Tools          |
|------------------------------------------------------|----------|-------|------|-----------|------|-----------------|------|-----------------------|-----|-----------------------|-----|------------------|----------------------------|
|                                                      |          | in    | mm   | in        | mm   | in              | mm   | in                    | mm  | in                    | mm  |                  |                            |
| BAND-FAST® Precut and Assembled with Ear-Lokt Buckle |          |       |      |           |      |                 |      |                       |     |                       |     |                  |                            |
| BFES-A1230-024                                       | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 24              | 609  | 5                     | 127 | 2.5                   | 64  | 25/Box           | C00169<br>C00369<br>C40099 |
| BFES-A1230-034                                       | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 34              | 863  | 8                     | 203 | 4                     | 102 | 25/Box           |                            |
| BFES-A1230-048                                       | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 48              | 1219 | 12                    | 305 | 6                     | 152 | 25/Box           |                            |
| BFES-A1230-069                                       | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 69              | 1752 | 18                    | 457 | 9                     | 229 | 25/Box           |                            |
| BFES-A1230-090                                       | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 90              | 2286 | 24                    | 610 | 12                    | 305 | 15/Box           |                            |
|                                                      |          |       |      |           |      |                 |      |                       |     |                       |     |                  |                            |



### BAND-FAST® Open End with Center Punch Clip

| SS<br>Part No.                                                                                                                          | Width |      | Thickness |      | Length** |     | Inside<br>Diameter<br>Single Wrap |     | Inside<br>Diameter<br>Double Wrap |     | Pkg Qty | Application<br>Tools |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----------|------|----------|-----|-----------------------------------|-----|-----------------------------------|-----|---------|----------------------|
|                                                                                                                                         | In    | mm   | In        | mm   | In       | mm  | In                                | mm  | In                                | mm  |         |                      |
| BAND-FAST® Open End with Center Punch Clip                                                                                              |       |      |           |      |          |     |                                   |     |                                   |     |         |                      |
| O10S99                                                                                                                                  | 5/8   | 15.8 | 0.020     | 0.51 | 23.0     | 584 | 5.5                               | 140 | 2.75                              | 70  | 50/Box  |                      |
| O16S99                                                                                                                                  | 5/8   | 15.8 | 0.020     | 0.51 | 31.0     | 787 | 8                                 | 203 | 4                                 | 102 | 50/Box  |                      |
| NOTE: Take the object circumference and add 6" to grip with the tool<br>(2 X circumference for double wrap plus 6" for tail insertion). |       |      |           |      |          |     |                                   |     |                                   |     |         |                      |

NOTE: Take the object circumference and add 6" to grip with the tool  
(2 X circumference for double wrap plus 6" for tail insertion).



### BAND-FAST® Precut and Assembled with Clip

| Part No.                                                                                                  | Material | Width |      | Thickness |      | Finished Length |      | Max. Dia. Single Wrap |     | Max. Dia. Double Wrap |     | Package Quantity | Weight |     | Application Tools                                |
|-----------------------------------------------------------------------------------------------------------|----------|-------|------|-----------|------|-----------------|------|-----------------------|-----|-----------------------|-----|------------------|--------|-----|--------------------------------------------------|
|                                                                                                           |          | in    | mm   | in        | mm   | in              | mm   | in                    | mm  | in                    | mm  |                  | lbs    | kg  |                                                  |
| BAND-FAST® Precut and Assembled with Clip                                                                 |          |       |      |           |      |                 |      |                       |     |                       |     |                  |        |     |                                                  |
| L22199                                                                                                    | 201 SS   | 3/8   | 9.6  | 0.025     | 0.64 | 16              | 406  | 3-1/2                 | 88  | 1-1/2                 | 38  | 100/Box          | 6.2    | 2.8 | C00169<br>C00369<br>C07569*<br>C40099<br>J02069* |
| L22999                                                                                                    | 201 SS   | 3/8   | 9.6  | 0.025     | 0.64 | 44              | 1117 | 12                    | 305 | 6                     | 152 | 50/Box           | 7.2    | 3.3 |                                                  |
| BFVC-J0825-018-U                                                                                          | 201 SS   | 1/2   | 12.7 | 0.025     | 0.64 | 18              | 457  | 4                     | 102 | 2                     | 51  | 100/Box          |        |     |                                                  |
| BFVC-J0825-024-U                                                                                          | 201 SS   | 1/2   | 12.7 | 0.025     | 0.64 | 24              | 609  | 6                     | 152 | 3                     | 76  | 100/Box          |        |     |                                                  |
| BFVC-J0825-030-U                                                                                          | 201 SS   | 1/2   | 12.7 | 0.025     | 0.64 | 30              | 762  | 8                     | 203 | 4                     | 102 | 100/Box          |        |     |                                                  |
| L28499                                                                                                    | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 24              | 609  | 6                     | 152 | 3                     | 76  | 50/Box           | 10.9   | 4.9 |                                                  |
| L28899                                                                                                    | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 37              | 940  | 10                    | 254 | 5                     | 127 | 25/Box           | 7.6    | 3.5 |                                                  |
| L29099                                                                                                    | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 50              | 1270 | 14                    | 355 | 7                     | 177 | 25/Box           | 9.7    | 4.4 |                                                  |
| L29299                                                                                                    | 201 SS   | 3/4   | 19.1 | 0.030     | 0.76 | 62              | 1575 | 18                    | 457 | 9                     | 228 | 25/Box           | 11.6   | 5.3 |                                                  |
| * The J02069 can be used with 3/8" maximum width product *C07569 for use on max 0.025" (0.63mm) thickness |          |       |      |           |      |                 |      |                       |     |                       |     |                  |        |     |                                                  |

\* The J02069 can be used with 3/8" maximum width product \*C07569 for use on max 0.025" (0.63mm) thickness



# ULTRA-LOK® Clamping System



3/4" Ultra-Lok® Free End Band with Buckle forms a low profile, tamper proof lock.

## Ultra-Lok® Free End Banding System

Designed for quick installation, highest clamping force and gap-free inside diameter. The best choice for demanding applications!

- Apply 3-5 times faster than band and buckle hand tools
- Unique lock formed under full tension maximizing tightness
- 201 SS hard band provides greater material strength allowing tighter clamps and can be double wrapped for additional strength
- 3/4" band available in plastic totes
- Application Tool: UL4000-D cordless



1/2" Ultra-Lok® Free End Band with Buckle



3/4" Ultra-Lok® Tote



UL4000-D

**Longer charge and battery life.** Now powered with a Lithium-ion battery, the UL4000-D battery charge lasts longer with consistent peak performance through the life of the battery. In addition, the UL4000-D uses a mechanical clutch and predetermined torque settings to provide a consistent tightness that eliminates assembly guesswork.

## ULTRA-LOK® Tool with Accessories

| Part No.                                | Description                                                                                                                                                                                                                                                      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ultra-Lok® Tool with Accessories</b> |                                                                                                                                                                                                                                                                  |
| UL4000-D                                | ULTRA-LOK® tool comes fully assembled in a custom protective case made with impact resistant HDPE thermoplastic. Included with the UL4000-D: 1- spare 18 volt Lithium-ion battery, 1- battery charger, tool lubrication/assembly tool kit and operators manuals. |
| M09387                                  | 1/2" shear plate (SOLD SEPARATELY) is compatible with the UL 4000-D,C,B, and UL4000, to convert from 3/4" ULTRA-LOK® to 1/2" ULTRA-LOK® Clamp systems.                                                                                                           |

# ULTRA-LOK® Clamping System

| Part No.                                                                                                                         | Material    | Width |      | Thickness |      | Length |      | Single Wrap |      | Double Wrap   |     | Breaking Strength (lbs) | Package Quantity | Weight |     | Application Tools |
|----------------------------------------------------------------------------------------------------------------------------------|-------------|-------|------|-----------|------|--------|------|-------------|------|---------------|-----|-------------------------|------------------|--------|-----|-------------------|
|                                                                                                                                  |             | in    | mm   | in        | mm   | in     | mm   | in          | mm   | in            | mm  |                         |                  | lbs    | kg  |                   |
| Ultra-Lok® Band                                                                                                                  |             |       |      |           |      |        |      |             |      |               |     |                         |                  |        |     |                   |
| UL1018**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 18     | 457  | 3           | 76   | not suggested |     | 1950                    | 50/Box           | 4.1    | 1.9 | UL4000D           |
| UL1024**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 24     | 610  | 5           | 127  | 2.5           | 64  | 1950                    | 50/Box           | 5.3    | 2.4 |                   |
| UL1032**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 32     | 813  | 7           | 178  | 3.5           | 89  | 1950                    | 50/Box           | 7.2    | 3.3 |                   |
| UL1046**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 46     | 1168 | 11          | 280  | 5.5           | 140 | 1950                    | 25/Box           | 5.9    | 2.7 |                   |
| UL1070**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 70     | 1778 | 18          | 457  | 9             | 229 | 1950                    | 25/Box           | 8.5    | 3.9 |                   |
| UL1096**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 96     | 2438 | 25          | 635  | 12.5          | 318 | 1950                    | 25/Box           | 11.2   | 5.1 |                   |
| UL1116**                                                                                                                         | 201 SS 1/4H | 1/2   | 12.7 | 0.030     | 0.76 | 116    | 2946 | 31          | 787  | 15.5          | 394 | 1950                    | 25/Box           | 13.3   | 6.0 |                   |
| UL2024                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 24     | 610  | 5           | 127  | not suggested |     | 2925                    | 25/Tote          | 4.1    | 1.9 |                   |
| UL2032                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 32     | 813  | 7           | 178  | 3.5           | 89  | 2925                    | 18/Tote          | 4.3    | 2.0 |                   |
| UL2036                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 36     | 914  | 8           | 252  | 4             | 102 | 2925                    | 33/Tote          | 8.2    | 3.7 |                   |
| UL2044                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 44     | 1118 | 11          | 267  | 5.5           | 140 | 2925                    | 27/Tote          | 8.2    | 3.7 |                   |
| UL2048                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 48     | 1219 | 12          | 305  | 6             | 153 | 2925                    | 25/Tote          | 8.2    | 3.7 |                   |
| UL2052                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 52     | 1321 | 13          | 330  | 6.5           | 165 | 2925                    | 23/Tote          | 8.2    | 3.7 |                   |
| UL2060                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 60     | 1524 | 15          | 381  | 7.5           | 191 | 2925                    | 20/Tote          | 8.2    | 3.7 |                   |
| UL2068                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 68     | 1727 | 17          | 445  | 8.5           | 216 | 2925                    | 17/Tote          | 8.2    | 3.7 |                   |
| UL2076                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 76     | 1930 | 20          | 508  | 10            | 254 | 2925                    | 15/Tote          | 8.2    | 3.7 |                   |
| UL2084                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 84     | 2134 | 22          | 559  | 11            | 280 | 2925                    | 14/Tote          | 8.2    | 3.7 |                   |
| UL2092                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 92     | 2337 | 24          | 622  | 12            | 305 | 2925                    | 13/Tote          | 8.2    | 3.7 |                   |
| UL2120                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 120    | 3048 | 32          | 826  | 16            | 407 | 2925                    | 10/Tote          | 8.2    | 3.7 |                   |
| UL2150                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 150    | 3810 | 41          | 1029 | 20.5          | 508 | 2925                    | 8/Tote           | 8.2    | 3.7 |                   |
| UL2175                                                                                                                           | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 175    | 4445 | 48          | 1232 | 24            | 610 | 2925                    | 6/Tote           | 8.2    | 3.7 |                   |
| Ultra-Lok® Buckles                                                                                                               |             |       |      |           |      |        |      |             |      |               |     |                         |                  |        |     |                   |
| UB2549                                                                                                                           | 201 SS      | 1/2   | 12.7 |           |      |        |      |             |      |               |     |                         | 100/Box          | 3.7    | 1.7 |                   |
| UB2569                                                                                                                           | 201 SS      | 3/4   | 19.1 |           |      |        |      |             |      |               |     |                         | 100/Box          | 3.7    | 1.7 |                   |
| ** 1/2" Bands will require M09387 for UL4000D.<br>3/4" width band lengths 36" or longer in 100' Totes; 34" or less in 50' Totes. |             |       |      |           |      |        |      |             |      |               |     |                         |                  |        |     |                   |

\*\* 1/2" Bands will require M09387 for UL4000D.

3/4" width band lengths 36" or longer in 100' Totes; 34" or less in 50' Totes.

## UL4000-D Ultra-Lok® Cordless Tool

- Applies 1/2"\* & 3/4" Ultra-Lok preformed clamps or Band and Buckle
- Ultra-Lok clamps can be applied four times faster than conventional clamps
- Supplied with spare battery and charger with Automatic Battery Tune-Up feature
- Locks under full tension
- Adjustable speed and torque
- Consistent, repeatable tensioning
- Battery Charger Available in 110 or 220 volt power source
- Ideal for field repairs

UL4000-D



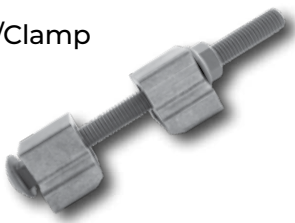
\* For 1/2" applications, must use M09387 1/2" Shear Plate.

# Mounting Hardware

Engineered to achieve a strong and secure grip on all components, provides superior corrosion resistance, and will sustain the hold in high vibration environments while keeping the support system compact.

- Specially designed reinforced Channel extrusions
- Convenient attachment methods
- Hex head bolts with metal and fiber washer, no nuts required
- Applied with BAND-IT® banding products
- Banding size may vary depending on application. Please contact your BAND-IT® representative for further details

Bolt/Clamp



Mounting Bracket



Mount Plate



Mount Plate - Narrow Back



| Part No.                        | Material  | Description                                                                                                | Package Quantity | Package Weight |      |
|---------------------------------|-----------|------------------------------------------------------------------------------------------------------------|------------------|----------------|------|
|                                 |           |                                                                                                            |                  | Lbs            | Kg   |
| Bolt / Clamp                    |           |                                                                                                            |                  |                |      |
| D50089                          | Aluminum* | Bolt/clamp. Use with maximum 3/4" width band.<br>Slot will accommodate 3/4" width (G43099) Giant Band.     | 50/Box           | 23.7           | 10.8 |
| D50489                          | Aluminum* | Bolt/clamp. Use with maximum 1-1/4" width band.<br>Slot will accommodate 1-1/4" width (G43299) Giant Band. | 25/Box           | 33.0           | 15.0 |
| Mounting Bracket                |           |                                                                                                            |                  |                |      |
| D51089                          | Aluminum  | 1-1/2" (38.1 mm) x 4-3/4" (120.7 mm) with a 2" long 5/8" plated bolt.                                      | 25/Box           | 14.9           | 6.8  |
| D51289                          | Aluminum  | 1-1/2" (38.1 mm) x 5-1/4" (133.3 mm) with a 2" long 5/8" plated bolt.                                      | 25/Box           | 21.0           | 9.5  |
| D51389                          | Aluminum  | 1-1/2" (38.1 mm) x 5-1/4" (133.3 mm) with a 3" long 5/8" plated bolt.                                      | 25/Box           | 21.0           | 9.5  |
| Mount Plate                     |           |                                                                                                            |                  |                |      |
| D04099                          | Aluminum  | Mount Plate, 1-1/2" NPT                                                                                    | 25/Box           | 19.4           | 8.8  |
| *Bolt is a plated carriage bolt |           |                                                                                                            |                  |                |      |

\*Bolt is a plated carriage bolt

**Mounting Bracket Slots:** accepts a double wrap of .044" x 1-1/4" BAND-IT Band.

## Mounting Brackets

Used to mount traffic signs, security devices, and enclosures. Designed to withstand wind vibration with reinforced ribs, and applied with BAND-IT® Band and Buckles, VALU-STRAP™, VALU-STRAP PLUSTM, BANDFAST®, or the ULTRA-LOK® Systems.

| Part No.          | Material  | Description                                                                            | Package Quantity | Package Weight |     |
|-------------------|-----------|----------------------------------------------------------------------------------------|------------------|----------------|-----|
|                   |           |                                                                                        |                  | Lbs            | Kg  |
| Mounting Brackets |           |                                                                                        |                  |                |     |
| D00189            | 200/300SS | Single bolt straight leg, bracket with 304SS bolt, washer and fiber washer. 3/4" slot. | 50/Box           | 7.0            | 3.2 |
| D00299            | 200/300SS | 5/6"-18x3/4" hex head SS Bolt, SS washer and fiber washer.                             | 50/Box           | 1.3            | 0.6 |
| D00499            | 200/300SS | Single bolt straight leg, bracket only. 3/4" slot.                                     | 50/Box           | 5.6            | 2.6 |
| D00799            | 200/300SS | L-Mount, right angle bracket                                                           | 50/Box           | 4.4            | 2.0 |
| D00889            | 200/300SS | 2 bolt straight leg, bracket with SS washer and fiber washer. 3/4" slot.               | 50/Box           | 9.2            | 4.2 |
| D00999            | 200/300SS | 2 bolt straight leg, bracket only 3/4" slot.                                           | 50/Box           | 7.1            | 3.2 |
| D02189            | 200/300SS | Single bolt flared leg, bracket with SS bolt, SS washer and fiber washer. 3/4" slot.   | 50/Box           | 7.0            | 3.2 |
| D02299            | 200/300SS | Single bolt flared leg, bracket only. 3/4" slot.                                       | 50/Box           | 5.5            | 2.5 |
| D30288            | 200/300SS | 5/16"-24 x 1/2" Hex Head SS bolt, washer and fiber washer.                             | 50/Box           | 1.0            | 0.5 |
| D31099            | 200/300SS | Flared leg mini-bracket with 304SS bolt and fiber washer. 1/2" slot.                   | 50/Box           | 3.0            | 1.3 |
| D31599            | 200/300SS | Straight leg mini-bracket with 304SS bolt and fiber washer. 1/2" slot.                 | 50/Box           | 3.0            | 1.3 |
|                   |           |                                                                                        |                  |                |     |



D31099 Flared Leg Mini-Brack-It

D31599 Straight Leg Mini-Brack-It

D02189 Single Bolt Flared Leg

D00189 Single Bolt Straight Leg

D00889 2 Bolt Straight Leg

D00799 L-Mount Right Angle Brack-It

# Universal Channel Clamp & Channel Extrusions

## Modular Sign Support Systems

BAND-IT® Universal Channel Clamp & Channel Extrusions are recognized by sign fabricators as a quicker, easier and cost effective method to mount all sizes of signs to any size or shape of pole.



**SX0220-100**

Universal Channel Clamp

### Universal Channel Clamp

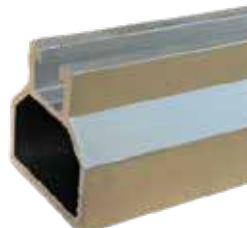
- Compatible with all BAND-IT Channel Extrusions
- During installation, the assembly becomes fully adjustable to any size or style sign post when used with BAND-IT® Band and Buckle or Ultra-Lok® Free End System
- Package Quantity 100
- Accepts up to 3/4" band double wrapped

## Support Channel Extrusions

For mounting and stiffening any size sign. BAND-IT Channel Extrusions have identical configurations allowing the use of all BAND-IT mounting hardware with any extrusion.



**SX0073-20 Medium**  
Channel Extrusion



**SX0130-6 Large**  
Channel Extrusion



**SX0090-8 Large Corner  
Angle**  
Channel Extrusion



## Preformed Clamps

**Chemical Plants, Food Processing, Plant Maintenance, Government, Communications, Hose Sleeving & Utility**

**Engineered Fastening and Bundling Systems for Extreme Conditions**

**Products:** Ultra-Lok®, Junior® Smooth ID, Center Punch, and Universal Clamp

**Benefits:**

- Superior performance in extreme temperatures, chemical exposure, salt spray conditions and UV light exposure
- Low inventory requirements
- Multiple preformed clamp solutions for various environments, markets and industries
- Hand and production application tools
- Permanent and secure locking mechanisms
- Reliable and efficient installation tools
- Low installed cost
- High quality materials that meets ASTM standards
- Quality certified manufacturing process management – ISO9001 with TS 16949

**Commonly Used Hose Applications:**

- Air/Multi-Purpose
- Food Handling
- Lay Flat
- Petroleum Drop, Vapor, Discharge and Suction
- Water - General Purpose, Suction, Discharge
- Chemical Hose - Plastic and Rubber Lined
- Hose Sleeving
- Abrasive Sleeving

### Preformed Clamps Chart

| Fair<br>Universal Clamp                                                           | Good<br>Center Punch                                                          | Better<br>Junior Smooth ID                                      | Best<br>Ultra-Lok®                                                                                |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Often Used For</b>                                                             |                                                                               |                                                                 |                                                                                                   |
| Hydraulic hose sleeving, abrasive sleeving                                        | Common hose applications                                                      | Higher PSI and leak sensitive hose applications                 | Maximum strength, harsh duty applications                                                         |
| <b>Preformed Clamps</b>                                                           |                                                                               |                                                                 |                                                                                                   |
| 304 stainless steel                                                               | 2 Material choices                                                            | 3 Material choices                                              | 201 1/4 hard stainless steel                                                                      |
| Low profile dimple lock for no loss of tension                                    | Locks using conical punch                                                     | Vibration resistant lip wrap lock                               | Superior vibration resistance, locks under full tension                                           |
| Made from 304 ss, Universal Clamps remain secure in the harshest field conditions | Manufactured with stainless steel buckles to provide greater locking strength | Smooth ID design reduces leak path                              | Smooth ID design reduces leak path                                                                |
| Sizes from 1.5" to 3"                                                             | Sizes from 13/16" to 8" available                                             | Sizes from 13/16" to 8" available                               | Patented lock design, sizes from 2" to 9" available, longer length open end clamps also available |
| Applied with choice of hand or air production tool                                | Applied with choice of 2 hand tools, or one air production tool               | Applied with a choice of 1 hand tool, or 2 air production tools | Applied with portable battery powered tool                                                        |

**CAUTION:** BAND-IT recommends that hose assemblies are tested per established industry test methods and tagged for your safety prior to use.

**Fair    Good    Better    Best**



Universal Clamp    Center Punch    Jr. Smooth ID    Ultra-Lok®

# ULTRA-LOK® Clamping System



## Preformed Clamping Systems

Designed for quick installation, highest clamping force and smooth, gap-free inside diameter. The best choice for demanding applications!

- Strongest band clamping system available
- Double wrapped 201SS for superior strength
- Unique lock formed under full tension maximizes tightness
- Thicker buckle is 2-3 times stronger than other preformed clamps
- Smooth inside diameter designed to eliminate leak paths
- Buckle hood protects lock from snags
- Install Ultra-Lok® clamping systems quickly using portable power tools



## Preformed Clamps

| Part No.                   | Material    | Width |      | Thickness |      | Inside Diameter |     | Package Weight |      | Pkg Qty | Tools |
|----------------------------|-------------|-------|------|-----------|------|-----------------|-----|----------------|------|---------|-------|
|                            |             | In    | mm   | In        | mm   | In              | mm  | Lbs            | Kg   |         |       |
| Ultra-Lok® Preformed Clamp |             |       |      |           |      |                 |     |                |      |         |       |
| UL2279                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 2               | 50  | 14.9           | 6.8  | 100/Box |       |
| UL2109                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 2.75            | 69  | 9.2            | 4.2  | 50/Box  |       |
| UL2119                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 3               | 76  | 10.4           | 4.7  | 50/Box  |       |
| UL2129                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 3.5             | 88  | 10.8           | 4.9  | 50/Box  |       |
| UL2139                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 4               | 101 | 6.4            | 2.9  | 25/Box  |       |
| UL2149                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 4.5             | 114 | 7              | 3.2  | 25/Box  |       |
| UL2159                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 5               | 127 | 7.5            | 3.4  | 25/Box  |       |
| UL2709                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 5.25            | 133 | 7.3            | 3.3  | 25/Box  |       |
| UL2169                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 6               | 152 | 8.4            | 3.8  | 25/Box  |       |
| UL2179                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 6.5             | 165 | 10.2           | 4.6  | 25/Box  |       |
| UL2189                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 7               | 177 | 9.8            | 4.4  | 25/Box  |       |
| UL2199                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 8               | 203 | 11.0           | 5.0  | 25/Box  |       |
| UL2289                     | 201 SS 1/4H | 3/4   | 19.1 | 0.030     | 0.76 | 9               | 228 | 5.1            | 2.31 | 10/Box  |       |

## BAND-IT JR<sup>®</sup> Smooth ID



### Preformed Clamping Systems

Wide choice of sizes and materials in a leak resistant design.

- Smooth I.D. Clamps reduce the risk of leaks especially when used on thin walled hoses
- Vibration resistant lip lock design. No hammering or crimping
- Unique buckle nest and smooth ID design reduces leak paths
- Double wrapped steel bands for additional strength
- Various materials for corrosive environments
- Band widths - 1/4", 3/8", 1/2", 5/8" and 3/4"
- Available for hose assemblies up to 9" outside diameter



### Pneumatic and Hand Tools



#### C00269 Junior<sup>®</sup> Preformed Clamp Tool

Use to apply Junior<sup>®</sup> Preformed clamps and BAND-IT<sup>®</sup> Junior<sup>®</sup> Smooth ID Clamps. Tool performs best when used in a vice on band widths over 1/2"



#### J02069 Pok-It II Tool With Cutter

Use to install 1/4"-3/8" band and buckle and BAND-IT Junior<sup>®</sup> clamps



#### IT2000 & IT5000

Use IT2000 to install 1/4" Junior<sup>®</sup> Clamps  
Use IT5000 to install 3/8" Junior<sup>®</sup> Clamps



#### S35099 Pneumatic Junior<sup>®</sup> Clamp Automatic Air Tool

Installs 5 widths of Junior<sup>®</sup> and Junior<sup>®</sup> smooth ID Clamps ranging from 1/4" to 3/4"

# BAND-IT JR<sup>®</sup> Smooth ID

## Preformed Clamping Systems

Wide choice of sizes and materials.

| Suggested Band Clamp Widths,<br>Rollover Style:<br>Hose ID | Clamp Band<br>Width |
|------------------------------------------------------------|---------------------|
| Use with Juniors & Junior Smooth Clamps                    |                     |
| <1/2"                                                      | 3/8"                |
| 1/2" - 3/4"                                                | 1/2"                |
| 3/4" - 2"                                                  | 5/8"                |
| >2"                                                        | 3/4"                |

| 201 SS*<br>Part No.                                                                                                            | 316 SS*<br>Part No. | GCS*<br>Part No. | Width |      | Thickness |      | Inside Diameter |     | Package Weight |     | Package Quantity | Application Tools                                                                  |                                                                |
|--------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------|-------|------|-----------|------|-----------------|-----|----------------|-----|------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                                                                                                |                     |                  | In    | mm   | In        | mm   | In              | mm  | Lbs            | Kg  |                  |                                                                                    |                                                                |
| BAND-IT® Junior® Smooth ID Clamp                                                                                               |                     |                  |       |      |           |      |                 |     |                |     |                  |                                                                                    |                                                                |
| JS2409+                                                                                                                        | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 0.8125          | 20  | 2.0            | 0.9 | 100/Box          | J02069<br>C00169**<br>J00169**<br>C00269<br>IT2000<br>S35099<br>S75099             |                                                                |
| JS2429                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 1.0             | 25  | 2.1            | 1.0 | 100/Box          |                                                                                    |                                                                |
| JS2419                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 1.375           | 34  | 2.5            | 1.1 | 100/Box          |                                                                                    |                                                                |
| JS2529                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 1.5             | 38  | 2.6            | 1.2 | 100/Box          |                                                                                    |                                                                |
| JS2539                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 2.0             | 50  | 3.2            | 1.5 | 100/Box          |                                                                                    |                                                                |
| JS2209                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 2.5             | 63  | 3.7            | 1.7 | 100/Box          |                                                                                    |                                                                |
| JS2569                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 2.75            | 69  | 3.8            | 1.7 | 100/Box          |                                                                                    |                                                                |
| JS2449                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 3               | 76  | 4.2            | 1.9 | 100/Box          |                                                                                    |                                                                |
| JS2579                                                                                                                         | NA                  | NA               | 1/4   | 6.4  | 0.020     | 0.51 | 3.5             | 88  | 4.6            | 2.1 | 100/Box          |                                                                                    |                                                                |
| JS2019                                                                                                                         | JS4019              | JS3019           | 3/8   | 9.6  | 0.025     | 0.64 | 0.8125          | 20  | 3.6            | 1.6 | 100/Box          | J02069<br>C00169**<br>J00169**<br>J05069**<br>C00269<br>IT5000<br>S35099<br>S75099 |                                                                |
| JS2439                                                                                                                         | NA                  | JS3439           | 3/8   | 9.6  | 0.025     | 0.64 | 1.0             | 25  | 3.9            | 1.8 | 100/Box          |                                                                                    |                                                                |
| JS2029                                                                                                                         | JS4029              | JS3029           | 3/8   | 9.6  | 0.025     | 0.64 | 1.375           | 34  | 5.0            | 2.3 | 100/Box          |                                                                                    |                                                                |
| JS2459                                                                                                                         | JS4459              | JS3459           | 3/8   | 9.6  | 0.025     | 0.64 | 2.0             | 50  | 5.9            | 2.7 | 100/Box          |                                                                                    |                                                                |
| JS2219                                                                                                                         | NA                  | NA               | 3/8   | 9.6  | 0.025     | 0.64 | 2.5             | 63  | 6.8            | 3.1 | 100/Box          |                                                                                    |                                                                |
| JS2469                                                                                                                         | NA                  | NA               | 3/8   | 9.6  | 0.025     | 0.64 | 3.0             | 76  | 7.5            | 3.4 | 100/Box          |                                                                                    |                                                                |
| JS2559                                                                                                                         | NA                  | NA               | 3/8   | 9.6  | 0.025     | 0.64 | 3.5             | 88  | 8.6            | 3.9 | 100/Box          |                                                                                    |                                                                |
| NA                                                                                                                             | JS4489              | NA               | 3/8   | 9.6  | 0.025     | 0.64 | 4.0             | 101 | 9.5            | 4.3 | 100/Box          |                                                                                    |                                                                |
| JS2039                                                                                                                         | NA                  | JS3039           | 1/2   | 12.7 | 0.030     | 0.76 | 1.0             | 25  | 6.5            | 3.0 | 100/Box          |                                                                                    | C00169**<br>J00169**<br>J05069**<br>C00269<br>S35099<br>S75099 |
| JS2049                                                                                                                         | JS4049              | JS3049           | 1/2   | 12.7 | 0.030     | 0.76 | 1.25            | 31  | 7.2            | 3.3 | 100/Box          |                                                                                    |                                                                |
| JS2319                                                                                                                         | NA                  | NA               | 1/2   | 12.7 | 0.030     | 0.76 | 1.5             | 38  | 8.1            | 3.7 | 100/Box          |                                                                                    |                                                                |
| JS2369                                                                                                                         | NA                  | JS3369           | 1/2   | 12.7 | 0.030     | 0.76 | 1.75            | 44  | 8.7            | 4.0 | 100/Box          |                                                                                    |                                                                |
| JS2379                                                                                                                         | NA                  | NA               | 1/2   | 12.7 | 0.030     | 0.76 | 2.0             | 50  | 9.4            | 4.3 | 100/Box          |                                                                                    |                                                                |
| JS2339                                                                                                                         | NA                  | JS3339           | 1/2   | 12.7 | 0.030     | 0.76 | 2.5             | 63  | 10.8           | 4.9 | 100/Box          |                                                                                    |                                                                |
| JS2309                                                                                                                         | NA                  | JS3309           | 1/2   | 12.7 | 0.030     | 0.76 | 2.75            | 69  | 11.3           | 5.1 | 100/Box          |                                                                                    |                                                                |
| JS2349                                                                                                                         | JS4349              | NA               | 1/2   | 12.7 | 0.030     | 0.76 | 3.0             | 76  | 12.2           | 5.5 | 100/Box          |                                                                                    |                                                                |
| JS2479                                                                                                                         | NA                  | NA               | 1/2   | 12.7 | 0.030     | 0.76 | 3.5             | 88  | 13.6           | 6.2 | 100/Box          |                                                                                    |                                                                |
| JS2499                                                                                                                         | NA                  | NA               | 1/2   | 12.7 | 0.030     | 0.76 | 4.0             | 101 | 14.9           | 6.8 | 100/Box          |                                                                                    |                                                                |
| JS2059                                                                                                                         | JS4059              | JS3059           | 5/8   | 15.8 | 0.030     | 0.76 | 1.5             | 38  | 10.4           | 4.7 | 100/Box          |                                                                                    |                                                                |
| JS2069                                                                                                                         | JS4069              | JS3069           | 5/8   | 15.8 | 0.030     | 0.76 | 1.75            | 44  | 11.3           | 5.1 | 100/Box          |                                                                                    |                                                                |
| JS2079                                                                                                                         | NA                  | JS3079           | 5/8   | 15.8 | 0.030     | 0.76 | 2.0             | 50  | 12.2           | 5.5 | 100/Box          |                                                                                    |                                                                |
| JS2089                                                                                                                         | NA                  | JS3089           | 5/8   | 15.8 | 0.030     | 0.76 | 2.25            | 57  | 13.3           | 6.0 | 100/Box          |                                                                                    |                                                                |
| JS2099                                                                                                                         | JS4099              | JS3099           | 5/8   | 15.8 | 0.030     | 0.76 | 2.5             | 63  | 13.9           | 6.3 | 100/Box          |                                                                                    |                                                                |
| JS2109                                                                                                                         | NA                  | JS3109           | 3/4   | 19.1 | 0.030     | 0.76 | 2.75            | 69  | 9.2            | 4.2 | 50/Box           |                                                                                    |                                                                |
| JS2119                                                                                                                         | JS4119              | JS3119           | 3/4   | 19.1 | 0.030     | 0.76 | 3.0             | 76  | 9.7            | 4.4 | 50/Box           |                                                                                    |                                                                |
| JS2129                                                                                                                         | NA                  | JS3129           | 3/4   | 19.1 | 0.030     | 0.76 | 3.5             | 88  | 10.8           | 4.9 | 50/Box           |                                                                                    |                                                                |
| JS2139                                                                                                                         | JS4139              | JS3139           | 3/4   | 19.1 | 0.030     | 0.76 | 4.0             | 101 | 6.1            | 2.8 | 25/Box           |                                                                                    |                                                                |
| JS2149                                                                                                                         | JS4149              | JS3149           | 3/4   | 19.1 | 0.030     | 0.76 | 4.5             | 114 | 6.7            | 3.0 | 25/Box           |                                                                                    |                                                                |
| JS2159                                                                                                                         | JS4159              | JS3159           | 3/4   | 19.1 | 0.030     | 0.76 | 5.0             | 127 | 7.2            | 3.3 | 25/Box           |                                                                                    |                                                                |
| JS2169                                                                                                                         | NA                  | NA               | 3/4   | 19.1 | 0.030     | 0.76 | 6.0             | 152 | 8.2            | 3.7 | 25/Box           |                                                                                    |                                                                |
| JS2179                                                                                                                         | NA                  | JS3179           | 3/4   | 19.1 | 0.030     | 0.76 | 6.5             | 165 | 9.2            | 4.2 | 25/Box           |                                                                                    |                                                                |
| JS2189                                                                                                                         | NA                  | JS3189           | 3/4   | 19.1 | 0.030     | 0.76 | 7.0             | 177 | 10.2           | 4.6 | 25/Box           |                                                                                    |                                                                |
| JS2199                                                                                                                         | NA                  | NA               | 3/4   | 19.1 | 0.030     | 0.76 | 8.0             | 203 | 11.0           | 5.0 | 25/Box           |                                                                                    |                                                                |
| * BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications |                     |                  |       |      |           |      |                 |     |                |     |                  |                                                                                    |                                                                |
| ** Junior® Adaptors, either J00169 or J05069, must be used with C00169                                                         |                     |                  |       |      |           |      |                 |     |                |     |                  |                                                                                    |                                                                |
| + Regionally Available, May be subject to extended lead times and minimum order quantities.                                    |                     |                  |       |      |           |      |                 |     |                |     |                  |                                                                                    |                                                                |

# Center Punch Clamps



## Preformed Clamping Systems

Designed to meet your specific application requirement.

- Lock with impact from a hammer using a conical punch designed into the tool
- Double wrapped steel bands using 201 Stainless Steel or galvanized carbon steel
- Manufactured with 201 Stainless Steel buckles to provide added locking strength
- Not recommended for use with fittings that may crack as a result of impact or poly fittings
- Install 3/8" and 5/8" width Center Punch clamping systems with the following hand tools: S03869, T30069. The SM1700 Pneumatic Production Tool installs 5/8" clamps without the typical roll up action



## SM1700 Pneumatic Automatic Center Punch Clamp Air Tool

Designed to install BAND-IT® Center Punch 5/8" wide preformed clamps, made from 201 Stainless Steel and Galvanized Carbon Steel. Automatically tensions and cuts off clamp tail.

### Use with

*BAND-IT® Center Punch Preformed Clamps*



# Center Punch Clamps

## Preformed Clamping Systems

| 201 SS*<br>Part No.                                                                                                            | GCS*<br>Part No. | Width |      | Thickness |      | Inside<br>Diameter |     | Package<br>Weight |     | Package<br>Quantity | Application<br>Tools                   |
|--------------------------------------------------------------------------------------------------------------------------------|------------------|-------|------|-----------|------|--------------------|-----|-------------------|-----|---------------------|----------------------------------------|
|                                                                                                                                |                  | In    | mm   | In        | mm   | In                 | mm  | Lbs               | Kg  |                     |                                        |
| Center Punch Clamp 0.025" Thickness                                                                                            |                  |       |      |           |      |                    |     |                   |     |                     |                                        |
| CP3S99                                                                                                                         | CP0399           | 3/8   | 9.6  | 0.025     | 0.64 | .8125              | 20  | 3.6               | 1.6 | 100/Box             | S03869<br>T30069                       |
| CP311S                                                                                                                         | CP3119           | 3/8   | 9.6  | 0.025     | 0.64 | 1.375              | 35  | 4.6               | 2.1 | 100/Box             |                                        |
| CP4S99                                                                                                                         | CP0499           | 5/8   | 15.8 | 0.025     | 0.64 | 1                  | 25  | 8.3               | 3.8 | 100/Box             | S03869<br>T30069<br>SM1700<br>CP4000-D |
| CP5S99                                                                                                                         | CP0599           | 5/8   | 15.8 | 0.025     | 0.64 | 1.25               | 32  | 8.7               | 4.0 | 100/Box             |                                        |
| CP6S99                                                                                                                         | CP0699           | 5/8   | 15.8 | 0.025     | 0.64 | 1.5                | 38  | 9.7               | 4.4 | 100/Box             |                                        |
| CP7S99                                                                                                                         | CP0799           | 5/8   | 15.8 | 0.025     | 0.64 | 1.75               | 44  | 10.6              | 4.8 | 100/Box             |                                        |
| CP8S99                                                                                                                         | CP0899           | 5/8   | 15.8 | 0.025     | 0.64 | 2                  | 51  | 11.5              | 5.2 | 100/Box             |                                        |
| CP9S99                                                                                                                         | CP0999           | 5/8   | 15.8 | 0.025     | 0.64 | 2.25               | 57  | 12.6              | 5.7 | 100/Box             |                                        |
| CP10S9                                                                                                                         | CP1099           | 5/8   | 15.8 | 0.025     | 0.64 | 2.5                | 64  | 6.8               | 3.1 | 50/Box              |                                        |
| CP11S9                                                                                                                         | CP1199           | 5/8   | 15.8 | 0.025     | 0.64 | 2.75               | 70  | 7.3               | 3.3 | 50/Box              |                                        |
| CP12S9                                                                                                                         | CP1299           | 5/8   | 15.8 | 0.025     | 0.64 | 3                  | 76  | 7.7               | 3.5 | 50/Box              |                                        |
| CP14S9                                                                                                                         | CP1499           | 5/8   | 15.8 | 0.025     | 0.64 | 3.5                | 89  | 8.7               | 4.0 | 50/Box              |                                        |
| CP16S9                                                                                                                         | CP1699           | 5/8   | 15.8 | 0.025     | 0.64 | 4                  | 102 | 4.9               | 2.2 | 25/Box              |                                        |
| CP18S9                                                                                                                         | CP1899           | 5/8   | 15.8 | 0.025     | 0.64 | 4.5                | 114 | 5.5               | 2.5 | 25/Box              |                                        |
| CP20S9                                                                                                                         | CP2099           | 5/8   | 15.8 | 0.025     | 0.64 | 5                  | 127 | 5.9               | 2.7 | 25/Box              |                                        |
| CP24S9                                                                                                                         | CP2499           | 5/8   | 15.8 | 0.025     | 0.64 | 6                  | 152 | 6.8               | 3.1 | 25/Box              |                                        |
| CP26S9                                                                                                                         | CP2699           | 5/8   | 15.8 | 0.025     | 0.64 | 6.5                | 165 | 7.1               | 3.3 | 25/Box              |                                        |
| CP28S9                                                                                                                         | CP2899           | 5/8   | 15.8 | 0.025     | 0.64 | 7                  | 178 | 7.4               | 3.4 | 25/Box              |                                        |
| CP32S9                                                                                                                         | CP3299           | 5/8   | 15.8 | 0.025     | 0.64 | 8                  | 203 | 8.2               | 3.7 | 25/Box              |                                        |
| * BAND-IT reserves the right to substitute material with equal or better corrosion resistance and/or mechanical specifications |                  |       |      |           |      |                    |     |                   |     |                     |                                        |



### T30069 Center Punch Tool



Used to apply BAND-IT® 3/8" and 5/8" Center Punch and Galvanized Carbon Steel preformed clamps.

### S03869 Center Punch Tool



Versatile ratchet tool applies 3/8" and 5/8" Center Punch Clamps.

### CP4000-D Center Punch Tool



Heavy-duty tool compatible with BAND-IT 5/8" Center Punch Clamps in 201 SS or Galvanized as well as Center Punch Band Fast with Color-It.

# BAND-IT Universal Clamp



## Preformed Clamping Systems

Ensuring long-term protection of hydraulic hoses and other critical components.

- **Robust Design:** Made from high-strength 304 stainless steel with a strong dimple-lock mechanism, Universal Clamps remain secure in the harshest field conditions, preventing slippage and protecting hoses.
- **Versatile:** With extreme diameter reduction, accommodate various hose sizes and applications with fewer SKUs, simplifying inventory and maintenance.
- **Easy Installation:** Simple tooling and a straightforward process make installation quick and easy, minimizing downtime and reducing labor costs. Fast, repeatable, easy to be fixtured into a production system.
- **Safe:** The smooth, low-profile design enhances worker safety by eliminating sharp edges.
- **Cost-Effective:** This economic solution meets requirements without sacrificing performance. Universal Clamps also reduce maintenance needs and prevent costly downtime.

| 304 SS<br>Part No. | Width |     | Thickness |      | Inside<br>Diameter |    | Package Quantity |
|--------------------|-------|-----|-----------|------|--------------------|----|------------------|
|                    | In    | mm  | In        | mm   | In                 | mm |                  |
| Universal Clamp    |       |     |           |      |                    |    |                  |
| JU3528             | 1/4   | 6.4 | 0.015     | 0.38 | 1.5                | 38 | 100/Box          |
| JU3538             | 1/4   | 6.4 | 0.015     | 0.38 | 2.0                | 51 | 100/Box          |
| JU3568             | 1/4   | 6.4 | 0.015     | 0.38 | 3.0                | 76 | 100/Box          |



## Pneumatic and Hand Tools



### A92079

Used for low volume & field installations



### IT1000

Used for high volume production environments



### IT7000

Used for high volume production environments - Includes data tracking and verifiable installation!

## Multi-Lok Ties



**BAND-IT® Multi-Lok ties offer a high strength plus vibration resistant benefit. This product is a perfect choice for harsh duty or marine environments.**

- Self-locking ties
- Two widths - 0.276" (7.01mm) and 0.472" (12.0mm)
- Coated with Nylon 11 or uncoated 316 SS styles available
- Fast, easy application
- Install by hand or with a variety of tools
- Unique high strength multiple locking system

| Part No                                                                                                     | Material | Width  |       | Length |      | Thickness (Coated/Un-coated Coated) |               | Maximum Diameter Single Wrap |     | Minimum Loop Tensile Strength (Lbs) | Package Quantity | Application Tools |                  |
|-------------------------------------------------------------------------------------------------------------|----------|--------|-------|--------|------|-------------------------------------|---------------|------------------------------|-----|-------------------------------------|------------------|-------------------|------------------|
|                                                                                                             |          | In     | mm    | In     | mm   | In                                  | mm            | In                           | mm  |                                     |                  |                   |                  |
| Multi-Lok                                                                                                   |          |        |       |        |      |                                     |               |                              |     |                                     |                  |                   |                  |
| Coated                                                                                                      | Uncoated |        |       |        |      |                                     |               |                              |     |                                     |                  |                   |                  |
| AE6119                                                                                                      | AE6019   | 316 SS | 0.276 | 7.01   | 6.9  | 175                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 1.3 | 33                                  | 250              | 100/Bag           | M50389<br>XE9229 |
| AE6129                                                                                                      | AE6029   | 316 SS | 0.276 | 7.01   | 9.1  | 231                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 2.2 | 57                                  | 250              | 100/Bag           |                  |
| AE6139                                                                                                      | AE6039   | 316 SS | 0.276 | 7.01   | 12.2 | 310                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 3.2 | 81                                  | 250              | 100/Bag           |                  |
| AE6149                                                                                                      | AE6049   | 316 SS | 0.276 | 7.01   | 18.6 | 472                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 5.1 | 129                                 | 250              | 100/Bag           |                  |
| AE6159                                                                                                      | AE6059   | 316 SS | 0.276 | 7.01   | 23.8 | 605                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 7.1 | 180                                 | 250              | 100/Bag           |                  |
| AE7119*                                                                                                     | AE7019*  | 316 SS | 0.472 | 12.0   | 6.9  | 175                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 1.3 | 33                                  | 415              | 100/Bag           |                  |
| AE7129*                                                                                                     | AE7029   | 316 SS | 0.472 | 12.0   | 9.1  | 231                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 2.2 | 57                                  | 415              | 100/Bag           |                  |
| AE7139*                                                                                                     | AE7039   | 316 SS | 0.472 | 12.0   | 12.2 | 310                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 3.2 | 81                                  | 415              | 100/Bag           |                  |
| AE7149*                                                                                                     | AE7049   | 316 SS | 0.472 | 12.0   | 18.6 | 472                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 5.1 | 129                                 | 415              | 100/Bag           |                  |
| AE7159*                                                                                                     | AE7059   | 316 SS | 0.472 | 12.0   | 23.8 | 605                                 | 0.018 / 0.011 | 0.46 / 0.28                  | 7.1 | 180                                 | 415              | 100/Bag           |                  |
| *Regionally Available. May be subject to extended lead times and minimum order quantities. Call for quotes. |          |        |       |        |      |                                     |               |                              |     |                                     |                  |                   |                  |

\*Regionally Available. May be subject to extended lead times and minimum order quantities. Call for quotes.



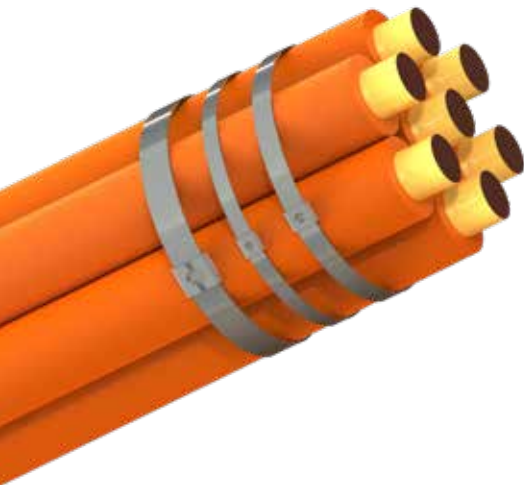
## Ultra-Lok® Ties

- Smooth ID ties with low profile
- Stainless Steel tie with ULTRA-LOK® locking style
- Provides fast, reliable, consistent clamp
- Great for cable bundling

| Part No.        | Material | Width |     | Length |     | Thickness |      | Maximum Diameter Single Wrap |     | Minimum Loop Tensile Strength (Lbs) | Package Quantity | Application Tools |
|-----------------|----------|-------|-----|--------|-----|-----------|------|------------------------------|-----|-------------------------------------|------------------|-------------------|
|                 |          | In    | mm  | In     | mm  | In        | mm   | In                           | mm  |                                     |                  |                   |
| ULTRA-LOK® Ties |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |
| AU3029          | 304 SS   | 0.25  | 6.4 | 8      | 203 | 0.015     | 0.38 | 1.5                          | 38  | 400                                 | 100/Bag          | A94079            |
| AU3039          | 304 SS   | 0.25  | 6.4 | 10     | 254 | 0.015     | 0.38 | 2.5                          | 63  | 400                                 | 100/Bag          |                   |
| AU3089          | 304 SS   | 0.25  | 6.4 | 24     | 610 | 0.015     | 0.38 | 7                            | 177 | 400                                 | 100/Bag          |                   |
|                 |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |

Note: AU2029, AU2039, and AU2089 in 201 SS have been replaced with the above parts in 304 SS.

# Tie-Lok® Ties



## BAND-IT® Tie-Lok® ties offer a unique dimple lock with a smooth ID and a low profile.

Provides fast, consistent and reliable clamping tension. Used in many industries such as automotive, cable bundling and identification.

- Strong patented dimple lock
- Locks under full tension - no slipback  
Three Widths: 0.177 (4.49mm), 0.25" (6.35mm) and 0.325" (9.6mm)
- Available in type 304 and type 316 Stainless Steel to provide good resistance to mild atmosphere, fresh water, UV rays and extreme environments
- 316 Stainless Steel for extreme environments
- Forms a low profile single wrapped assembly to secure cables, hoses, I.D. Tags, CV Boots, filter bags

| Part No.                                                             | Material | Width |     | Length |     | Thickness |      | Maximum Diameter Single Wrap |     | Minimum Loop Tensile Strength (Lbs) | Package Quantity | Application Tools |
|----------------------------------------------------------------------|----------|-------|-----|--------|-----|-----------|------|------------------------------|-----|-------------------------------------|------------------|-------------------|
|                                                                      |          | In    | mm  | In     | mm  | In        | mm   | In                           | mm  |                                     |                  |                   |
| Tie-Lok® Tie                                                         |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |
| AS2119                                                               | 304 SS   | 0.25  | 6.4 | 10.0   | 254 | 0.015     | 0.38 | 2                            | 51  | 250                                 | 100/Bag          | A92079<br>IT1000  |
| AS2129                                                               | 304 SS   | 0.25  | 6.4 | 16.5   | 419 | 0.015     | 0.38 | 4                            | 101 | 250                                 | 100/Bag          |                   |
| AS2139                                                               | 304 SS   | 0.25  | 6.4 | 22.5   | 572 | 0.015     | 0.38 | 6                            | 152 | 250                                 | 100/Bag          |                   |
| AS2149                                                               | 304 SS   | 0.25  | 6.4 | 29.0   | 737 | 0.015     | 0.38 | 8                            | 203 | 250                                 | 100/Bag          |                   |
| AS2159                                                               | 304 SS   | 0.25  | 6.4 | 35.0   | 889 | 0.015     | 0.38 | 10                           | 254 | 250                                 | 100/Bag          |                   |
| AS4119                                                               | 316 SS   | 0.25  | 6.4 | 10.0   | 254 | 0.015     | 0.38 | 2                            | 51  | 250                                 | 100/Bag          |                   |
| AS4129                                                               | 316 SS   | 0.25  | 6.4 | 16.5   | 419 | 0.015     | 0.38 | 4                            | 101 | 250                                 | 100/Bag          |                   |
| AS4139                                                               | 316 SS   | 0.25  | 6.4 | 22.5   | 572 | 0.015     | 0.38 | 6                            | 152 | 250                                 | 100/Bag          |                   |
| AS4149                                                               | 316 SS   | 0.25  | 6.4 | 29.0   | 737 | 0.015     | 0.38 | 8                            | 203 | 250                                 | 100/Bag          | IT6000<br>TL3800  |
| AS4159                                                               | 316 SS   | 0.25  | 6.4 | 35.0   | 889 | 0.015     | 0.38 | 10                           | 254 | 250                                 | 100/Bag          |                   |
| AS6219                                                               | 304 SS   | 0.375 | 9.6 | 7.2    | 184 | 0.020     | 0.51 | 1.5                          | 40  | 350                                 | 100/Bag          |                   |
| AS6229                                                               | 304 SS   | 0.375 | 9.6 | 10.0   | 254 | 0.020     | 0.51 | 2                            | 51  | 350                                 | 100/Bag          |                   |
| AS6239                                                               | 304 SS   | 0.375 | 9.6 | 16.0   | 406 | 0.020     | 0.51 | 4                            | 101 | 350                                 | 100/Bag          |                   |
| AS6249                                                               | 304 SS   | 0.375 | 9.6 | 22.5   | 572 | 0.020     | 0.51 | 6                            | 152 | 350                                 | 100/Bag          |                   |
| AS6259                                                               | 304 SS   | 0.375 | 9.6 | 30.5   | 775 | 0.020     | 0.51 | 8                            | 203 | 350                                 | 100/Bag          |                   |
| Preformed Tie-Lok® Tie (Previously referred to as a Universal Clamp) |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |
| JU3568                                                               | 304 SS   | 0.25  | 6.4 | -      | -   | 0.015     | 0.38 | 3                            | 76  | 250                                 | 100/box          | A92079<br>IT1000  |
| * TL3800 to be used with 3/8" only.                                  |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |

\* TL3800 to be used with 3/8" only.



| Part No.          | Material | Width |     | Length |     | Thickness |      | Maximum Diameter Single Wrap |     | Minimum Loop Tensile Strength (Lbs) | Package Quantity | Application Tools |
|-------------------|----------|-------|-----|--------|-----|-----------|------|------------------------------|-----|-------------------------------------|------------------|-------------------|
|                   |          | In    | mm  | In     | mm  | In        | mm   | In                           | mm  |                                     |                  |                   |
| Mini Tie-Lok® Tie |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |
| AS2219            | 304 SS   | 0.177 | 4.5 | 7      | 165 | 0.015     | 0.38 | 1                            | 25  | 100                                 | 100/Bag          | A91079<br>IT0750  |
| AS2229            | 304 SS   | 0.177 | 4.5 | 10     | 254 | 0.015     | 0.38 | 2                            | 51  | 100                                 | 100/Bag          |                   |
| AS2239            | 304 SS   | 0.177 | 4.5 | 16     | 406 | 0.015     | 0.38 | 4                            | 102 | 100                                 | 100/Bag          |                   |
| AS2249            | 304 SS   | 0.177 | 4.5 | 22.5   | 572 | 0.015     | 0.38 | 6                            | 152 | 100                                 | 100/Bag          |                   |
| AS2259            | 304 SS   | 0.177 | 4.5 | 29     | 737 | 0.015     | 0.38 | 8                            | 203 | 100                                 | 100/Bag          |                   |
| AS4219            | 316 SS   | 0.177 | 4.5 | 7      | 165 | 0.015     | 0.38 | 1                            | 25  | 100                                 | 100/Bag          |                   |
| AS4229            | 316 SS   | 0.177 | 4.5 | 10     | 254 | 0.015     | 0.38 | 2                            | 51  | 100                                 | 100/Bag          |                   |
| AS4239            | 316 SS   | 0.177 | 4.5 | 16     | 406 | 0.015     | 0.38 | 4                            | 102 | 100                                 | 100/Bag          |                   |
| AS4249            | 316 SS   | 0.177 | 4.5 | 22.5   | 572 | 0.015     | 0.38 | 6                            | 152 | 100                                 | 100/Bag          |                   |
| AS4259            | 316 SS   | 0.177 | 4.5 | 29     | 737 | 0.015     | 0.38 | 8                            | 203 | 100                                 | 100/Bag          |                   |
|                   |          |       |     |        |     |           |      |                              |     |                                     |                  |                   |

## BALL-LOK TIES FROM BAND-IT



Coated and Uncoated KT Ties

These ties are quick and easy to apply offering a versatile solution for cable management, hose sleeve attachment, and other medium duty applications. The self-locking buckle offers superior corrosive, abrasive and UV resistance performance that makes this product perfect for harsh or marine environments. The smooth inside diameter of the KE ties further reduces the potential for damage to cabling or shielding during the tensioning process.

### PRODUCT FEATURES

- Manufactured in BAND-IT global sites and UL Certified.
- Available in both 304 and 316 Stainless Steel to provide good to excellent corrosion resistance in a wide variety of environments.

### INSTALLATION TOOLS

Both ties can be installed by hand or with tools to assure uniform tension and clean tail cut-off for safe handling. The two hand tools recommended for this application manually tension and cut-off the tail of the band and can be used on coated or uncoated ties.



#### K50289

For use with ties up to 0.3" (7.9mm) width, even if epoxy coated. The adjustable tension control assures consistent tension of ties with a smooth tail cut off.



#### XE9229 / KE9229

Tensions and cuts off ties up to 0.5" (12mm) wide regardless of material or coating.

### KE PREMIUM TIES

- Higher loop tensile strength
- Available uncoated or coated with 100% black Epoxy
- Smooth inner diameter design

Certified By:



### KT STANDARD TIES

- Available uncoated or coated with 30% Polyester and 70% Epoxy
- Fold over design

Certified By:



## KE PREMIUM TIES



| 304 SS<br>Uncoated<br>Material                                                                              |         | 316 SS<br>Uncoated<br>Material |     | Width |      | Length |      | Base Material<br>Thickness |     | Maximum<br>Bundle<br>Diameter |         | Minimum<br>Loop Tensile<br>Strength<br>(Lbs) | Package<br>Quantity | Application<br>Tools |
|-------------------------------------------------------------------------------------------------------------|---------|--------------------------------|-----|-------|------|--------|------|----------------------------|-----|-------------------------------|---------|----------------------------------------------|---------------------|----------------------|
|                                                                                                             |         |                                |     | In    | mm   | In     | mm   | In                         | mm  | In                            | mm      |                                              |                     |                      |
| KE1118                                                                                                      | KE0118* | 0.18                           | 4.6 | 5.9   | 150  | 0.010  | 0.25 | 1.2                        | 30  | 200                           | 100/Bag | K50289<br>XE9229<br>KE9229<br><br>or by hand |                     |                      |
| KE1128                                                                                                      | KE0128  | 0.18                           | 4.6 | 7.9   | 201  | 0.010  | 0.25 | 2.0                        | 50  | 200                           | 100/Bag |                                              |                     |                      |
| KE1138                                                                                                      | KE0138  | 0.18                           | 4.6 | 10.2  | 259  | 0.010  | 0.25 | 2.7                        | 69  | 200                           | 100/Bag |                                              |                     |                      |
| KE1148                                                                                                      | KE0148  | 0.18                           | 4.6 | 14.2  | 360  | 0.010  | 0.25 | 4.0                        | 102 | 200                           | 100/Bag |                                              |                     |                      |
| KE1158                                                                                                      | KE0158  | 0.18                           | 4.6 | 20.4  | 520  | 0.010  | 0.25 | 6.0                        | 152 | 200                           | 100/Bag |                                              |                     |                      |
| KE1168                                                                                                      | KE0168  | 0.18                           | 4.6 | 26.8  | 679  | 0.010  | 0.25 | 8.0                        | 203 | 200                           | 100/Bag |                                              |                     |                      |
| KE1178                                                                                                      | KE0178  | 0.18                           | 4.6 | 33.0  | 838  | 0.010  | 0.25 | 10.0                       | 254 | 200                           | 100/Bag |                                              |                     |                      |
| KE1188                                                                                                      | KE0188  | 0.18                           | 4.6 | 42.0  | 1067 | 0.010  | 0.25 | 12.0                       | 305 | 200                           | 100/Bag |                                              |                     |                      |
| KE1328                                                                                                      | KE0328  | 0.31                           | 7.9 | 7.9   | 201  | 0.010  | 0.25 | 2.0                        | 50  | 300                           | 100/Bag |                                              |                     |                      |
| KE1338                                                                                                      | KE0338  | 0.31                           | 7.9 | 10.2  | 259  | 0.010  | 0.25 | 2.7                        | 69  | 300                           | 100/Bag |                                              |                     |                      |
| KE1348                                                                                                      | KE0348  | 0.31                           | 7.9 | 14.2  | 360  | 0.010  | 0.25 | 4.0                        | 102 | 300                           | 100/Bag |                                              |                     |                      |
| KE1358                                                                                                      | KE0358  | 0.31                           | 7.9 | 20.4  | 520  | 0.010  | 0.25 | 6.0                        | 152 | 300                           | 100/Bag |                                              |                     |                      |
| KE1368                                                                                                      | KE0368  | 0.31                           | 7.9 | 26.8  | 679  | 0.010  | 0.25 | 8.0                        | 203 | 300                           | 100/Bag |                                              |                     |                      |
| KE1378                                                                                                      | KE0378  | 0.31                           | 7.9 | 33.0  | 838  | 0.010  | 0.25 | 10.0                       | 254 | 300                           | 100/Bag |                                              |                     |                      |
| KE1388                                                                                                      | KE0388  | 0.31                           | 7.9 | 42.0  | 1067 | 0.010  | 0.25 | 12.0                       | 305 | 300                           | 100/Bag |                                              |                     |                      |
| *Regional specifications vary, some items may be subject to minimum order quantities or extended lead times |         |                                |     |       |      |        |      |                            |     |                               |         |                                              |                     |                      |
| 316 SS Coated Material (Epoxy)                                                                              |         |                                |     |       |      |        |      |                            |     |                               |         |                                              |                     |                      |
| KE0228                                                                                                      |         | 0.18                           | 4.6 | 7.9   | 201  | 0.010  | 0.25 | 2.0                        | 50  | 150                           | 100/Bag |                                              |                     |                      |
| KE0238                                                                                                      |         | 0.18                           | 4.6 | 10.2  | 259  | 0.010  | 0.25 | 2.7                        | 69  | 150                           | 100/Bag |                                              |                     |                      |
| KE0248                                                                                                      |         | 0.18                           | 4.6 | 14.2  | 360  | 0.010  | 0.25 | 4.0                        | 102 | 150                           | 100/Bag |                                              |                     |                      |
| KE0258                                                                                                      |         | 0.18                           | 4.6 | 20.4  | 520  | 0.010  | 0.25 | 6.0                        | 152 | 150                           | 100/Bag |                                              |                     |                      |
| KE0268                                                                                                      |         | 0.18                           | 4.6 | 26.8  | 679  | 0.010  | 0.25 | 8.0                        | 203 | 150                           | 100/Bag |                                              |                     |                      |
| KE0278                                                                                                      |         | 0.18                           | 4.6 | 33.0  | 838  | 0.010  | 0.25 | 10.0                       | 254 | 150                           | 100/Bag |                                              |                     |                      |
| KE0428                                                                                                      |         | 0.31                           | 7.9 | 7.9   | 201  | 0.010  | 0.25 | 2.0                        | 50  | 175                           | 100/Bag |                                              |                     |                      |
| KE0438                                                                                                      |         | 0.31                           | 7.9 | 10.2  | 259  | 0.010  | 0.25 | 2.7                        | 69  | 175                           | 100/Bag |                                              |                     |                      |
| KE0448                                                                                                      |         | 0.31                           | 7.9 | 14.2  | 360  | 0.010  | 0.25 | 4.0                        | 102 | 175                           | 100/Bag |                                              |                     |                      |
| KE0458                                                                                                      |         | 0.31                           | 7.9 | 20.4  | 520  | 0.010  | 0.25 | 6.0                        | 152 | 175                           | 100/Bag |                                              |                     |                      |
| KE0468                                                                                                      |         | 0.31                           | 7.9 | 26.8  | 679  | 0.010  | 0.25 | 8.0                        | 203 | 175                           | 100/Bag |                                              |                     |                      |
| KE0478                                                                                                      |         | 0.31                           | 7.9 | 33.0  | 838  | 0.010  | 0.25 | 10.0                       | 254 | 175                           | 100/Bag |                                              |                     |                      |
|                                                                                                             |         |                                |     |       |      |        |      |                            |     |                               |         |                                              |                     |                      |

### 316 SS Coated Material (Epoxy)

|        |      |     |      |     |       |      |      |     |     |         |
|--------|------|-----|------|-----|-------|------|------|-----|-----|---------|
| KE0228 | 0.18 | 4.6 | 7.9  | 201 | 0.010 | 0.25 | 2.0  | 50  | 150 | 100/Bag |
| KE0238 | 0.18 | 4.6 | 10.2 | 259 | 0.010 | 0.25 | 2.7  | 69  | 150 | 100/Bag |
| KE0248 | 0.18 | 4.6 | 14.2 | 360 | 0.010 | 0.25 | 4.0  | 102 | 150 | 100/Bag |
| KE0258 | 0.18 | 4.6 | 20.4 | 520 | 0.010 | 0.25 | 6.0  | 152 | 150 | 100/Bag |
| KE0268 | 0.18 | 4.6 | 26.8 | 679 | 0.010 | 0.25 | 8.0  | 203 | 150 | 100/Bag |
| KE0278 | 0.18 | 4.6 | 33.0 | 838 | 0.010 | 0.25 | 10.0 | 254 | 150 | 100/Bag |
| KE0428 | 0.31 | 7.9 | 7.9  | 201 | 0.010 | 0.25 | 2.0  | 50  | 175 | 100/Bag |
| KE0438 | 0.31 | 7.9 | 10.2 | 259 | 0.010 | 0.25 | 2.7  | 69  | 175 | 100/Bag |
| KE0448 | 0.31 | 7.9 | 14.2 | 360 | 0.010 | 0.25 | 4.0  | 102 | 175 | 100/Bag |
| KE0458 | 0.31 | 7.9 | 20.4 | 520 | 0.010 | 0.25 | 6.0  | 152 | 175 | 100/Bag |
| KE0468 | 0.31 | 7.9 | 26.8 | 679 | 0.010 | 0.25 | 8.0  | 203 | 175 | 100/Bag |
| KE0478 | 0.31 | 7.9 | 33.0 | 838 | 0.010 | 0.25 | 10.0 | 254 | 175 | 100/Bag |



### KT Tie



### KE Tie - Smooth Inner Diameter



### KE Tie Buckle Lip

- Further reduces potential for scoring or damaging cable during tensioning
- Improves inserting band into the buckle during installation

## KT STANDARD TIES - UNCOATED



| 304 SS<br>Uncoated<br>Material | 316 SS<br>Uncoated<br>Material | Width |     | Length |      | Base Material<br>Thickness |      | Maximum<br>Bundle<br>Diameter |     | Minimum<br>Loop Tensile<br>Strength<br>(Lbs) | Package<br>Quantity | Application<br>Tools                     |
|--------------------------------|--------------------------------|-------|-----|--------|------|----------------------------|------|-------------------------------|-----|----------------------------------------------|---------------------|------------------------------------------|
|                                |                                | In    | mm  | In     | mm   | In                         | mm   | In                            | mm  |                                              |                     |                                          |
| KT4U046-010                    | KT6U046-010                    | 0.18  | 4.6 | 3.9    | 100  | 0.010                      | 0.25 | 0.7                           | 19  | 190                                          | 100                 | K50289<br>XE9229<br>KE9229<br>or by hand |
| KT4U046-015                    | KT6U046-015                    | 0.18  | 4.6 | 5.9    | 150  | 0.010                      | 0.25 | 1.4                           | 35  | 190                                          | 100                 |                                          |
| KT4U046-020                    | KT6U046-020                    | 0.18  | 4.6 | 7.9    | 200  | 0.010                      | 0.25 | 2.0                           | 52  | 190                                          | 100                 |                                          |
| KT4U046-025                    | KT6U046-025                    | 0.18  | 4.6 | 9.8    | 250  | 0.010                      | 0.25 | 2.6                           | 67  | 190                                          | 100                 |                                          |
| KT4U046-030                    | KT6U046-030                    | 0.18  | 4.6 | 11.8   | 300  | 0.010                      | 0.25 | 3.3                           | 83  | 190                                          | 100                 |                                          |
| KT4U046-035                    | KT6U046-035                    | 0.18  | 4.6 | 13.8   | 350  | 0.010                      | 0.25 | 3.9                           | 99  | 190                                          | 100                 |                                          |
| KT4U046-040                    | KT6U046-040                    | 0.18  | 4.6 | 15.7   | 400  | 0.010                      | 0.25 | 4.5                           | 115 | 190                                          | 100                 |                                          |
| KT4U046-045                    | KT6U046-045                    | 0.18  | 4.6 | 17.7   | 450  | 0.010                      | 0.25 | 5.2                           | 131 | 190                                          | 100                 |                                          |
| KT4U046-050                    | KT6U046-050                    | 0.18  | 4.6 | 19.7   | 500  | 0.010                      | 0.25 | 5.8                           | 147 | 190                                          | 100                 |                                          |
| KT4U046-055                    | KT6U046-055                    | 0.18  | 4.6 | 21.6   | 550  | 0.010                      | 0.25 | 6.4                           | 163 | 190                                          | 100                 |                                          |
| KT4U046-060                    | KT6U046-060                    | 0.18  | 4.6 | 23.6   | 600  | 0.010                      | 0.25 | 7.0                           | 179 | 190                                          | 100                 |                                          |
| KT4U046-065                    | KT6U046-065                    | 0.18  | 4.6 | 25.6   | 650  | 0.010                      | 0.25 | 7.6                           | 194 | 190                                          | 100                 |                                          |
| KT4U046-070                    | KT6U046-070                    | 0.18  | 4.6 | 27.6   | 700  | 0.010                      | 0.25 | 8.3                           | 211 | 190                                          | 100                 |                                          |
| KT4U046-080                    | KT6U046-080                    | 0.18  | 4.6 | 31.4   | 800  | 0.010                      | 0.25 | 9.5                           | 242 | 190                                          | 100                 |                                          |
| KT4U046-090                    | KT6U046-090                    | 0.18  | 4.6 | 35.4   | 900  | 0.010                      | 0.25 | 10.8                          | 274 | 190                                          | 100                 |                                          |
| KT4U046-100                    | KT6U046-100                    | 0.18  | 4.6 | 39.4   | 1000 | 0.010                      | 0.25 | 12.0                          | 306 | 190                                          | 100                 |                                          |
| KT4U046-110                    | KT6U046-110                    | 0.18  | 4.6 | 43.3   | 1100 | 0.010                      | 0.25 | 13.3                          | 338 | 190                                          | 100                 |                                          |
| KT4U046-120                    | KT6U046-120                    | 0.18  | 4.6 | 47.2   | 1200 | 0.010                      | 0.25 | 14.5                          | 369 | 190                                          | 100                 |                                          |
| KT4U078-010                    | KT6U078-010                    | 0.31  | 7.8 | 3.9    | 100  | 0.010                      | 0.25 | 0.7                           | 19  | 280                                          | 100                 |                                          |
| KT4U078-015                    | KT6U078-015                    | 0.31  | 7.8 | 5.9    | 150  | 0.010                      | 0.25 | 1.4                           | 35  | 280                                          | 100                 |                                          |
| KT4U078-020                    | KT6U078-020                    | 0.31  | 7.8 | 7.9    | 200  | 0.010                      | 0.25 | 2.0                           | 52  | 280                                          | 100                 |                                          |
| KT4U078-025                    | KT6U078-025                    | 0.31  | 7.8 | 9.8    | 250  | 0.010                      | 0.25 | 2.6                           | 67  | 280                                          | 100                 |                                          |
| KT4U078-030                    | KT6U078-030                    | 0.31  | 7.8 | 11.8   | 300  | 0.010                      | 0.25 | 3.3                           | 83  | 280                                          | 100                 |                                          |
| KT4U078-035                    | KT6U078-035                    | 0.31  | 7.8 | 13.8   | 350  | 0.010                      | 0.25 | 3.9                           | 99  | 280                                          | 100                 |                                          |
| KT4U078-040                    | KT6U078-040                    | 0.31  | 7.8 | 15.7   | 400  | 0.010                      | 0.25 | 4.5                           | 115 | 280                                          | 100                 |                                          |
| KT4U078-045                    | KT6U078-045                    | 0.31  | 7.8 | 17.7   | 450  | 0.010                      | 0.25 | 5.1                           | 131 | 280                                          | 100                 |                                          |
| KT4U078-050                    | KT6U078-050                    | 0.31  | 7.8 | 19.7   | 500  | 0.010                      | 0.25 | 5.8                           | 147 | 280                                          | 100                 |                                          |
| KT4U078-055                    | KT6U078-055                    | 0.31  | 7.8 | 21.6   | 550  | 0.010                      | 0.25 | 6.4                           | 163 | 280                                          | 100                 |                                          |
| KT4U078-060                    | KT6U078-060                    | 0.31  | 7.8 | 23.6   | 600  | 0.010                      | 0.25 | 7.0                           | 179 | 280                                          | 100                 |                                          |
| KT4U078-065                    | KT6U078-065                    | 0.31  | 7.8 | 25.6   | 650  | 0.010                      | 0.25 | 7.6                           | 194 | 280                                          | 100                 |                                          |
| KT4U078-070                    | KT6U078-070                    | 0.31  | 7.8 | 27.6   | 700  | 0.010                      | 0.25 | 8.3                           | 211 | 280                                          | 100                 |                                          |
| KT4U078-080                    | KT6U078-080                    | 0.31  | 7.8 | 31.4   | 800  | 0.010                      | 0.25 | 9.5                           | 242 | 280                                          | 100                 |                                          |
| KT4U078-090                    | KT6U078-090                    | 0.31  | 7.8 | 35.4   | 900  | 0.010                      | 0.25 | 10.8                          | 274 | 280                                          | 100                 |                                          |
| KT4U078-100                    | KT6U078-100                    | 0.31  | 7.8 | 39.4   | 1000 | 0.010                      | 0.25 | 12.0                          | 306 | 280                                          | 100                 |                                          |
| KT4U078-110                    | KT6U078-110                    | 0.31  | 7.8 | 43.3   | 1100 | 0.010                      | 0.25 | 13.3                          | 338 | 280                                          | 100                 |                                          |
| KT4U078-120                    | KT6U078-120                    | 0.31  | 7.8 | 47.2   | 1200 | 0.010                      | 0.25 | 14.5                          | 369 | 280                                          | 100                 |                                          |
| KT4U078-130                    | KT6U078-130                    | 0.31  | 7.8 | 51.2   | 1300 | 0.010                      | 0.25 | 15.8                          | 401 | 280                                          | 100                 |                                          |
| KT4U078-140                    | KT6U078-140                    | 0.31  | 7.8 | 55.1   | 1400 | 0.010                      | 0.25 | 17.1                          | 433 | 280                                          | 100                 |                                          |
| KT4U078-150                    | KT6U078-150                    | 0.31  | 7.8 | 59.0   | 1500 | 0.010                      | 0.25 | 18.3                          | 465 | 280                                          | 100                 |                                          |

## KT STANDARD TIES - COATED



| 304 SS<br>Coated<br>Material | 316 SS<br>Coated<br>Material | Width |     | Length |      | Base Material<br>Thickness |      | Maximum<br>Bundle<br>Diameter |     | Minimum<br>Loop Tensile<br>Strength<br>(Lbs) | Package<br>Quantity | Application<br>Tools                     |
|------------------------------|------------------------------|-------|-----|--------|------|----------------------------|------|-------------------------------|-----|----------------------------------------------|---------------------|------------------------------------------|
|                              |                              | In    | mm  | In     | mm   | In                         | mm   | In                            | mm  |                                              |                     |                                          |
| KT4B046-010                  | KT6B046-010                  | 0.18  | 4.6 | 3.9    | 100  | 0.010                      | 0.25 | 0.7                           | 19  | 140                                          | 100                 | K50289<br>XE9229<br>KE9229<br>or by hand |
| KT4B046-015                  | KT6B046-015                  | 0.18  | 4.6 | 5.9    | 150  | 0.010                      | 0.25 | 1.4                           | 35  | 140                                          | 100                 |                                          |
| KT4B046-020                  | KT6B046-020                  | 0.18  | 4.6 | 7.9    | 200  | 0.010                      | 0.25 | 2.0                           | 52  | 140                                          | 100                 |                                          |
| KT4B046-025                  | KT6B046-025                  | 0.18  | 4.6 | 9.8    | 250  | 0.010                      | 0.25 | 2.6                           | 67  | 140                                          | 100                 |                                          |
| KT4B046-030                  | KT6B046-030                  | 0.18  | 4.6 | 11.8   | 300  | 0.010                      | 0.25 | 3.3                           | 83  | 140                                          | 100                 |                                          |
| KT4B046-035                  | KT6B046-035                  | 0.18  | 4.6 | 13.8   | 350  | 0.010                      | 0.25 | 3.9                           | 99  | 140                                          | 100                 |                                          |
| KT4B046-040                  | KT6B046-040                  | 0.18  | 4.6 | 15.7   | 400  | 0.010                      | 0.25 | 4.5                           | 115 | 140                                          | 100                 |                                          |
| KT4B046-045                  | KT6B046-045                  | 0.18  | 4.6 | 17.7   | 450  | 0.010                      | 0.25 | 5.2                           | 131 | 140                                          | 100                 |                                          |
| KT4B046-050                  | KT6B046-050                  | 0.18  | 4.6 | 19.7   | 500  | 0.010                      | 0.25 | 5.8                           | 147 | 140                                          | 100                 |                                          |
| KT4B046-055                  | KT6B046-055                  | 0.18  | 4.6 | 21.6   | 550  | 0.010                      | 0.25 | 6.4                           | 163 | 140                                          | 100                 |                                          |
| KT4B046-060                  | KT6B046-060                  | 0.18  | 4.6 | 23.6   | 600  | 0.010                      | 0.25 | 7.0                           | 179 | 140                                          | 100                 |                                          |
| KT4B046-065                  | KT6B046-065                  | 0.18  | 4.6 | 25.6   | 650  | 0.010                      | 0.25 | 7.6                           | 194 | 140                                          | 100                 |                                          |
| KT4B046-070                  | KT6B046-070                  | 0.18  | 4.6 | 27.6   | 700  | 0.010                      | 0.25 | 8.3                           | 211 | 140                                          | 100                 |                                          |
| KT4B046-080                  | KT6B046-080                  | 0.18  | 4.6 | 31.4   | 800  | 0.010                      | 0.25 | 9.5                           | 242 | 140                                          | 100                 |                                          |
| KT4B046-090                  | KT6B046-090                  | 0.18  | 4.6 | 35.4   | 900  | 0.010                      | 0.25 | 10.8                          | 274 | 140                                          | 100                 |                                          |
| KT4B046-100                  | KT6B046-100                  | 0.18  | 4.6 | 39.4   | 1000 | 0.010                      | 0.25 | 12.0                          | 306 | 140                                          | 100                 |                                          |
| KT4B046-110                  | KT6B046-110                  | 0.18  | 4.6 | 43.3   | 1100 | 0.010                      | 0.25 | 13.3                          | 338 | 140                                          | 100                 |                                          |
| KT4B046-120                  | KT6B046-120                  | 0.18  | 4.6 | 47.2   | 1200 | 0.010                      | 0.25 | 14.5                          | 369 | 140                                          | 100                 |                                          |
| KT4B078-010                  | KT6B078-010                  | 0.31  | 7.8 | 3.9    | 100  | 0.010                      | 0.25 | 0.7                           | 19  | 160                                          | 100                 |                                          |
| KT4B078-015                  | KT6B078-015                  | 0.31  | 7.8 | 5.9    | 150  | 0.010                      | 0.25 | 1.4                           | 35  | 160                                          | 100                 |                                          |
| KT4B078-020                  | KT6B078-020                  | 0.31  | 7.8 | 7.9    | 200  | 0.010                      | 0.25 | 2.0                           | 52  | 160                                          | 100                 |                                          |
| KT4B078-025                  | KT6B078-025                  | 0.31  | 7.8 | 9.8    | 250  | 0.010                      | 0.25 | 2.6                           | 67  | 160                                          | 100                 |                                          |
| KT4B078-030                  | KT6B078-030                  | 0.31  | 7.8 | 11.8   | 300  | 0.010                      | 0.25 | 3.3                           | 83  | 160                                          | 100                 |                                          |
| KT4B078-035                  | KT6B078-035                  | 0.31  | 7.8 | 13.8   | 350  | 0.010                      | 0.25 | 3.9                           | 99  | 160                                          | 100                 |                                          |
| KT4B078-040                  | KT6B078-040                  | 0.31  | 7.8 | 15.7   | 400  | 0.010                      | 0.25 | 4.5                           | 115 | 160                                          | 100                 |                                          |
| KT4B078-045                  | KT6B078-045                  | 0.31  | 7.8 | 17.7   | 450  | 0.010                      | 0.25 | 5.1                           | 131 | 160                                          | 100                 |                                          |
| KT4B078-050                  | KT6B078-050                  | 0.31  | 7.8 | 19.7   | 500  | 0.010                      | 0.25 | 5.8                           | 147 | 160                                          | 100                 |                                          |
| KT4B078-055                  | KT6B078-055                  | 0.31  | 7.8 | 21.6   | 550  | 0.010                      | 0.25 | 6.4                           | 163 | 160                                          | 100                 |                                          |
| KT4B078-060                  | KT6B078-060                  | 0.31  | 7.8 | 23.6   | 600  | 0.010                      | 0.25 | 7.0                           | 179 | 160                                          | 100                 |                                          |
| KT4B078-065                  | KT6B078-065                  | 0.31  | 7.8 | 25.6   | 650  | 0.010                      | 0.25 | 7.6                           | 194 | 160                                          | 100                 |                                          |
| KT4B078-070                  | KT6B078-070                  | 0.31  | 7.8 | 27.6   | 700  | 0.010                      | 0.25 | 8.3                           | 211 | 160                                          | 100                 |                                          |
| KT4B078-080                  | KT6B078-080                  | 0.31  | 7.8 | 31.4   | 800  | 0.010                      | 0.25 | 9.5                           | 242 | 160                                          | 100                 |                                          |
| KT4B078-090                  | KT6B078-090                  | 0.31  | 7.8 | 35.4   | 900  | 0.010                      | 0.25 | 10.8                          | 274 | 160                                          | 100                 |                                          |
| KT4B078-100                  | KT6B078-100                  | 0.31  | 7.8 | 39.4   | 1000 | 0.010                      | 0.25 | 12.0                          | 306 | 160                                          | 100                 |                                          |
| KT4B078-110                  | KT6B078-110                  | 0.31  | 7.8 | 43.3   | 1100 | 0.010                      | 0.25 | 13.3                          | 338 | 160                                          | 100                 |                                          |
| KT4B078-120                  | KT6B078-120                  | 0.31  | 7.8 | 47.2   | 1200 | 0.010                      | 0.25 | 14.5                          | 369 | 160                                          | 100                 |                                          |
| KT4B078-130                  | KT6B078-130                  | 0.31  | 7.8 | 51.2   | 1300 | 0.010                      | 0.25 | 15.8                          | 401 | 160                                          | 100                 |                                          |
| KT4B078-140                  | KT6B078-140                  | 0.31  | 7.8 | 55.1   | 1400 | 0.010                      | 0.25 | 17.1                          | 433 | 160                                          | 100                 |                                          |
| KT4B078-150                  | KT6B078-150                  | 0.31  | 7.8 | 59.0   | 1500 | 0.010                      | 0.25 | 18.3                          | 465 | 160                                          | 100                 |                                          |

## BAND-IT® Reusable AE Ties



- Constructed of 316 Stainless Steel with PPA 571 coating
- PPA 571 is resistant to stress cracking, adverse weather conditions, detergents, salt spray and typical airborne pollutants
- One-piece construction with unique buckle designs capable of double wrapping for special strength requirements and reliable installation



| Coated Part No                                                                                                                                                                 | Material*** | Width |     | Length |     | Thickness Coated |     | Maximum Diameter Single Wrap |     | Minimum Loop Tensile Strength (Lbs) | Package Quantity | Application Tools                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-------|-----|--------|-----|------------------|-----|------------------------------|-----|-------------------------------------|------------------|----------------------------------------|
|                                                                                                                                                                                |             | In    | mm  | In     | mm  | In               | mm  | In                           | mm  |                                     |                  |                                        |
| BAND-IT AE Ties                                                                                                                                                                |             |       |     |        |     |                  |     |                              |     |                                     |                  |                                        |
| AE1118                                                                                                                                                                         | 316 SS      | 1/4   | 6.4 | 6      | 152 | 0.045            | 1.1 | 1.5                          | 38  | 75/300**                            | 100/Bag          | AE2009<br><br>C07569<br><br>or by hand |
| AE1128                                                                                                                                                                         | 316 SS      | 1/4   | 6.4 | 9      | 229 | 0.045            | 1.1 | 2.5                          | 63  | 75/300**                            | 100/Bag          |                                        |
| AE1138                                                                                                                                                                         | 316 SS      | 1/4   | 6.4 | 12     | 305 | 0.045            | 1.1 | 3.4                          | 86  | 75/300**                            | 100/Bag          |                                        |
| AE1148                                                                                                                                                                         | 316 SS      | 1/4   | 6.4 | 18     | 457 | 0.045            | 1.1 | 5.4                          | 137 | 75/300**                            | 100/Bag          |                                        |
| AE1158                                                                                                                                                                         | 316 SS      | 1/4   | 6.4 | 24     | 610 | 0.045            | 1.1 | 7.3                          | 185 | 75/300**                            | 100/Bag          |                                        |
| AE3138                                                                                                                                                                         | 316 SS      | 3/8   | 9.6 | 12     | 305 | 0.045            | 1.1 | 3.4                          | 86  | 100/500**                           | 100/Bag          |                                        |
| AE3148                                                                                                                                                                         | 316 SS      | 3/8   | 9.6 | 18     | 457 | 0.045            | 1.1 | 5.4                          | 137 | 100/500**                           | 100/Bag          |                                        |
| AE3158*                                                                                                                                                                        | 316 SS      | 3/8   | 9.6 | 24     | 610 | 0.045            | 1.1 | 7.3                          | 185 | 100/500**                           | 100/Bag          |                                        |
| AE3178*                                                                                                                                                                        | 316 SS      | 3/8   | 9.6 | 36     | 914 | 0.045            | 1.1 | 11                           | 280 | 100/500**                           | 100/Bag          |                                        |
| * Regionally Available. Subject to extended lead times and minimum order quantities. Call for quotes.<br>** Single / Double Wrapped<br>*** Material thickness includes coating |             |       |     |        |     |                  |     |                              |     |                                     |                  |                                        |

AE Ties



# Stainless Steel Cable Ties

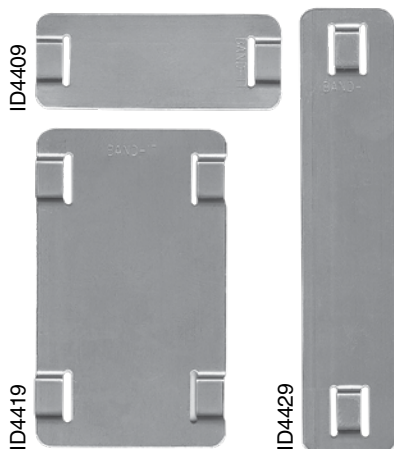


|                                            | TIE-LOK           |                   | BALL-LOK UCTD    |                  | BALL-LOK CTD     |                  | MULTI-LOK UCTD   |               | MULTI-LOK CTD    |               | BAND-IT TIE CTD   |                    | BAND-FAST CLAMP |             |
|--------------------------------------------|-------------------|-------------------|------------------|------------------|------------------|------------------|------------------|---------------|------------------|---------------|-------------------|--------------------|-----------------|-------------|
|                                            | .177<br>.25<br>In | 4.5<br>6.35<br>mm | .18<br>.03<br>In | 4.6<br>7.9<br>mm | .18<br>.03<br>In | 4.6<br>7.9<br>mm | .27<br>.47<br>In | 7<br>12<br>mm | .27<br>.47<br>In | 7<br>12<br>mm | .25<br>.375<br>In | 6.35<br>9.53<br>mm | .62<br>In       | 15.88<br>mm |
| <b>AVAILABLE WIDTHS</b>                    |                   |                   |                  |                  |                  |                  |                  |               |                  |               |                   |                    |                 |             |
| <b>Quick Reference of Product Features</b> |                   |                   |                  |                  |                  |                  |                  |               |                  |               |                   |                    |                 |             |
| 304 S/S (for general corrosion resistance) | ●                 | ●                 | ●                | ●                |                  |                  |                  |               |                  |               |                   |                    |                 |             |
| 316 S/S (for general corrosion resistance) | ●                 | ●                 | ●                | ●                | ●                | ●                | ●                | ●             | ●                | ●             | ●                 | ●                  | ●               | ●           |
| Uncoated                                   | ●                 | ●                 | ●                | ●                |                  |                  | ●                | ●             |                  |               |                   |                    |                 |             |
| Epoxy Coated                               |                   |                   |                  |                  | ●                | ●                |                  |               |                  |               |                   |                    |                 |             |
| Nylon 11 Coated                            |                   |                   |                  |                  |                  |                  |                  |               | ●                | ●             |                   |                    |                 |             |
| PPA 571                                    |                   |                   |                  |                  |                  |                  |                  |               |                  |               | ●                 | ●                  | ●               | ●           |
| Black Color                                |                   |                   |                  |                  | ●                | ●                |                  |               | ●                | ●             | ●                 | ●                  | ●               | ●           |
| Self Locking                               |                   |                   | ●                | ●                | ●                | ●                | ●                | ●             | ●                | ●             |                   |                    |                 |             |
| Releasable / Reusable                      |                   |                   |                  |                  |                  |                  |                  |               |                  |               | ●                 | ●                  |                 |             |

# Identification Systems

Print your own tags on 316 stainless steel and apply with Tie-Lok® Ties.

## Tags



| Part No. | Material | Height |      | Length |      | Thickness |     | Package Weight |    | Package Quantity |
|----------|----------|--------|------|--------|------|-----------|-----|----------------|----|------------------|
|          |          | in     | mm   | in     | mm   | in        | mm  | Lbs            | Kg |                  |
| ID Tags  |          |        |      |        |      |           |     |                |    |                  |
| ID4409   | 316 SS   | .75    | 19   | 2.0    | 50.8 | .015      | .38 | .5             | .2 | 100/Box          |
| ID4419   | 316 SS   | 1.5    | 38.1 | 2.5    | 63.5 | .015      | .38 | 1.2            | .6 | 100/Box          |
| ID4429   | 316 SS   | .75    | 19   | 3.5    | 88.9 | .015      | .38 | .8             | .4 | 100/Box          |



ID3009 ID Kit

## Identification Kit

The BAND-IT ID Kit comes with an assortment of blank ID tags to use with the ID Tagging Systems. Includes various Tie-Lok Ties and Tie-Lok tool to fasten tags to items. Total weight is 22.7 lbs, 10.3 Kg. **Kit Contains:** 1-A92079, 2-ID4429, 1-ID4419, 1-ID44099, 1-AS2119, 2-AS2129, 1-AS2139

| Part No.           | Description        | Package Weight |       | Package Quantity |
|--------------------|--------------------|----------------|-------|------------------|
|                    |                    | Lbs            | Kg    |                  |
| Identification Kit |                    |                |       |                  |
| ID3009             | Identification Kit | 22.65          | 10.27 | each             |



ID4002  
SS Embossing System



## Stainless Steel Tape Embossing System

With the portable tape embossing tool and a roll of 304 stainless steel tape, you can quickly and easily produce I.D. tags with 3/16" letter size which can be attached with your choice of 1/4" BAND-IT® ties.

Replacement Rolls: ID4059 - 1/2" X 21' - 2 pack.



| Part No.         | Description                                             | Package Weight |     | Package Quantity |
|------------------|---------------------------------------------------------|----------------|-----|------------------|
|                  |                                                         | Lbs            | Kg  |                  |
| Embossing System |                                                         |                |     |                  |
| ID4002           | SS Tape Embossing Tool Includes 2 rolls of SS tape.     | 2.6            | 1.2 | each             |
| ID4059           | 304 SS Tape Roll for Embossing Tool, 1/2" x 21' x .005" | 0.2            | 0.4 | each             |

# Easy Read Identification



**AE0609-100  
Easy Read Kit**

The kit comes in a convenient carrying case weighing 19.5 lbs and contains 100 of each character and carriers.

## Easy Read on Carriers



## Easy Read on Ties



EASY READ characters slide onto any 1/4" - 3/8" tie.

- Regionally available. May be subject to extended lead times and minimum order quantities.
- BAND-IT EASY READ letters, numbers and are symbols made from type 316 SS
- Slide directly onto Easy Carriers or cable ties to create a self-contained wrap tag
- Easy to read in dim light and inaccessible places
- Characters sold individually in bags of 100 pcs

## Easy Read Characters

| Part No.             | Description       | Package Weight |     | Package Quantity |
|----------------------|-------------------|----------------|-----|------------------|
|                      |                   | Lbs            | Kg  |                  |
| Easy Read Characters |                   |                |     |                  |
| AE0109               | EASY A            | 0.3            | 0.2 | 100/Bag          |
| AE0119               | EASY B            | 0.3            | 0.2 | 100/Bag          |
| AE0129               | EASY C            | 0.3            | 0.2 | 100/Bag          |
| AE0139               | EASY D            | 0.3            | 0.2 | 100/Bag          |
| AE0149               | EASY E            | 0.3            | 0.2 | 100/Bag          |
| AE0159               | EASY F            | 0.3            | 0.2 | 100/Bag          |
| AE0169               | EASY G            | 0.3            | 0.2 | 100/Bag          |
| AE0179               | EASY H            | 0.3            | 0.2 | 100/Bag          |
| AE0189               | EASY I, 1         | 0.3            | 0.2 | 100/Bag          |
| AE0199               | EASY J            | 0.3            | 0.2 | 100/Bag          |
| AE0209               | EASY K            | 0.3            | 0.2 | 100/Bag          |
| AE0219               | EASY L, 7         | 0.3            | 0.2 | 100/Bag          |
| AE0229               | EASY M, W         | 0.3            | 0.2 | 100/Bag          |
| AE0239               | EASY N            | 0.3            | 0.2 | 100/Bag          |
| AE0249               | EASY O            | 0.3            | 0.2 | 100/Bag          |
| AE0259               | EASY P            | 0.3            | 0.2 | 100/Bag          |
| AE0269               | EASY Q            | 0.3            | 0.2 | 100/Bag          |
| AE0279               | EASY R            | 0.3            | 0.2 | 100/Bag          |
| AE0289               | EASY S            | 0.3            | 0.2 | 100/Bag          |
| AE0299               | EASY T            | 0.3            | 0.2 | 100/Bag          |
| AE0309               | EASY U            | 0.3            | 0.2 | 100/Bag          |
| AE0319               | EASY V            | 0.3            | 0.2 | 100/Bag          |
| AE0329               | EASY X            | 0.3            | 0.2 | 100/Bag          |
| AE0339               | EASY Y            | 0.3            | 0.2 | 100/Bag          |
| AE0349               | EASY Z            | 0.3            | 0.2 | 100/Bag          |
| AE0379               | EASY 2            | 0.3            | 0.2 | 100/Bag          |
| AE0389               | EASY 3            | 0.3            | 0.2 | 100/Bag          |
| AE0399               | EASY 4            | 0.3            | 0.2 | 100/Bag          |
| AE0409               | EASY 5            | 0.3            | 0.2 | 100/Bag          |
| AE0419               | EASY 6, 9         | 0.3            | 0.2 | 100/Bag          |
| AE0429               | EASY 8            | 0.3            | 0.2 | 100/Bag          |
| AE0359               | EASY Minus/Hyphen | 0.3            | 0.2 | 100/Bag          |
| AE0369               | EASY Blank        | 0.3            | 0.2 | 100/Bag          |
| AE0469               | EASY Plus +       | 0.3            | 0.2 | 100/Bag          |
| AE0479               | EASY Earth        | 0.3            | 0.2 | 100/Bag          |
| AE0489               | EASY Sine ~       | 0.3            | 0.2 | 100/Bag          |
| AE0499               | EASY Slash /      | 0.3            | 0.2 | 100/Bag          |
|                      |                   |                |     |                  |



## Apply EASY READ Characters with these 1/4" - 3/8" products:

- Carriers
- Coated BAND-IT® Ties
- Coated Ball-Lok Ties
- Coated Ball-Lokt™ Ties
- Coated Multi-Lok Ties

## Easy Carriers

| Part No.                                                                   | Description     | Width |    | Length |     | Package Weight |     | Package Quantity |
|----------------------------------------------------------------------------|-----------------|-------|----|--------|-----|----------------|-----|------------------|
|                                                                            |                 | in    | mm | in     | mm  | Lbs            | Kg  |                  |
| Easy Carriers                                                              |                 |       |    |        |     |                |     |                  |
| AE0449                                                                     | EASY Carrier 10 | 0.3   | 10 | 5.1    | 131 | 1.3            | 0.6 | 100/Bag          |
| AE0459                                                                     | EASY Carrier 16 | 0.3   | 10 | 7.3    | 188 | 1.5            | 0.7 |                  |
| Easy Carriers are available in black Nylon 11 coated Stainless Steel only. |                 |       |    |        |     |                |     |                  |

*Easy Carriers are available in black Nylon 11 coated Stainless Steel only.*

# Adjustable Clamping Systems

## Scru-Seal Clamping Systems

A rack and pinion system used with band to create any size clamp.  
Components separately packaged for flexibility.

| Part No.                                       | Material | Description                                                                                         | Package |     | Package Quantity | Application Tools |
|------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------|---------|-----|------------------|-------------------|
|                                                |          |                                                                                                     | lbs     | Kg  |                  |                   |
| Scru-Seal Clamping System                      |          |                                                                                                     |         |     |                  |                   |
| M21199                                         | SS       | 10 Scru-Seal racks and 10 Housings                                                                  | 0.7     | 0.3 | 10/box           | Flat Head         |
| C19199                                         | SS       | VALU-STRAP™ Plus, 3/8" x .020" x 100' SS                                                            | 2.7     | 1.2 | 100'/roll        |                   |
|                                                |          |                                                                                                     |         |     |                  |                   |
| Kits - Everything you need in a single package |          |                                                                                                     |         |     |                  |                   |
| M21099                                         | SS       | Scru-Seal Kit includes: 25 Scru-Seal racks, 25 housings, VALU-STRAP™ Plus Band 3/8" x 0.020" x 100' | 4.3     | 1.9 | each             | Flat Head         |
| M21899                                         | SS       | Each Clamp Pak includes: 3 Scru-Seal racks, 3 housings, VALU-STRAP™ Plus Band 3/8" x 0.020" x 10'   | 5.0     | 2.3 | 10 paks/box      |                   |
|                                                |          |                                                                                                     |         |     |                  |                   |

Clamp-Pak  
M21899



Designed for light duty applications.



Scru-Seal Kit with VALU-STRAP™  
M21099

1/2" \_\_\_\_\_



Scru-Seal Rack & Housing

## Scru-Band Clamping Systems

| Part No.                  | Material | Description                                           | Package Weight |     | Package Quantity | Application Tools     |
|---------------------------|----------|-------------------------------------------------------|----------------|-----|------------------|-----------------------|
|                           |          |                                                       | lbs            | Kg  |                  |                       |
| Scru-Band Clamping System |          |                                                       |                |     |                  |                       |
| M15599                    | SS       | Scru-Band Housing, 301 SS-Screw 410 SS                | 0.7            | 0.3 | 25/box           | Flat Head Screwdriver |
| M15199                    | SS       | Scru-Band, 430SS 3/8" (9.5mm) x .025" (30.5M) (.64mm) | 3.4            | 1.6 | 100'/roll        |                       |



## Mini & Heavy-Duty Bolt Clamp Casting & Retainers

| Part No.                | Material | Width |      | Length |      | Max Bolt Torque | Max DIA. Single Wrap |     | Loop Tensile Strength |     | Package Quantity |
|-------------------------|----------|-------|------|--------|------|-----------------|----------------------|-----|-----------------------|-----|------------------|
|                         |          | in    | mm   | in     | mm   | N.m             | in                   | mm  | lbs                   | kg  |                  |
| Mini Bolt Clamp Casting |          |       |      |        |      |                 |                      |     |                       |     |                  |
| D10309                  | 304 SS   | 1/2   | 12.7 | 15.7   | 400  | 10              | 4.3                  | 110 | 1416                  | 642 | 1/EA             |
| D10319                  |          | 1/2   | 12.7 | 33.5   | 850  | 10              | 9.8                  | 250 | 1416                  | 642 | 1/EA             |
| D10329                  |          | 1/2   | 12.7 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1416                  | 642 | 1/EA             |
| D10409                  | 316 SS   | 1/2   | 12.7 | 15.7   | 400  | 10              | 4.3                  | 110 | 1416                  | 642 | 1/EA             |
| D10419                  |          | 1/2   | 12.7 | 33.5   | 850  | 10              | 9.8                  | 250 | 1416                  | 642 | 1/EA             |
| D10429                  |          | 1/2   | 12.7 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1416                  | 642 | 1/EA             |
| D40309                  | 304 SS   | 5/8   | 15.8 | 15.7   | 400  | 10              | 4.3                  | 110 | 1685                  | 764 | 1/EA             |
| D40319                  |          | 5/8   | 15.8 | 33.5   | 850  | 10              | 9.8                  | 250 | 1685                  | 764 | 1/EA             |
| D40329                  |          | 5/8   | 15.8 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1685                  | 764 | 1/EA             |
| D40409                  | 316 SS   | 5/8   | 15.8 | 15.7   | 400  | 10              | 4.3                  | 110 | 1685                  | 764 | 1/EA             |
| D40419                  |          | 5/8   | 15.8 | 33.5   | 850  | 10              | 9.8                  | 250 | 1685                  | 764 | 1/EA             |
| D40429                  |          | 5/8   | 15.8 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1685                  | 764 | 1/EA             |



| Part No.                 | Material | Width |      | Length |      | Max Bolt Torque | Max DIA. Single Wrap |     | Loop Tensile Strength |     | Package Quantity |
|--------------------------|----------|-------|------|--------|------|-----------------|----------------------|-----|-----------------------|-----|------------------|
|                          |          | in    | mm   | in     | mm   | N.m             | in                   | mm  | lbs                   | kg  |                  |
| Mini Bolt Clamp Retainer |          |       |      |        |      |                 |                      |     |                       |     |                  |
| D20309                   | 304 SS   | 1/2   | 12.7 | 15.7   | 400  | 10              | 4.3                  | 110 | 1416                  | 642 | 1/EA             |
| D20319                   |          | 1/2   | 12.7 | 33.5   | 850  | 10              | 9.8                  | 250 | 1416                  | 642 | 1/EA             |
| D20329                   |          | 1/2   | 12.7 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1416                  | 642 | 1/EA             |
| D20409                   | 316 SS   | 1/2   | 12.7 | 15.7   | 400  | 10              | 4.3                  | 110 | 1416                  | 642 | 1/EA             |
| D20419                   |          | 1/2   | 12.7 | 33.5   | 850  | 10              | 9.8                  | 250 | 1416                  | 642 | 1/EA             |
| D20429                   |          | 1/2   | 12.7 | 51.2   | 1300 | 10              | 15.4                 | 390 | 1416                  | 642 | 1/EA             |
| D20409 - RS              |          | 1/2   | 12.7 | 15.7   | 400  | 3               | 4.3                  | 110 | 494.47                | 224 | 1/EA             |



| Part No.                        | Material | Width |      | Length |      | Max Bolt Torque | Max DIA. Single Wrap |     | Loop Tensile Strength |      | Package Quantity |
|---------------------------------|----------|-------|------|--------|------|-----------------|----------------------|-----|-----------------------|------|------------------|
|                                 |          | in    | mm   | in     | mm   | N.m             | in                   | mm  | lbs                   | kg   |                  |
| Heavy Duty Bolt Clamp (Casting) |          |       |      |        |      |                 |                      |     |                       |      |                  |
| D60059                          | 304 SS   | 1.1   | 28.1 | 35.4   | 900  | 25              | 7.9                  | 200 | 4720                  | 2141 | 1/EA             |
| D60109                          |          | 1.1   | 28.1 | 70.9   | 1800 | 25              | 19.7                 | 500 | 4720                  | 2141 | 1/EA             |
| D60209                          |          | 1.1   | 28.1 | 82.7   | 2100 | 25              | 23.6                 | 600 | 4720                  | 2141 | 1/EA             |
| D60309                          |          | 1.1   | 28.1 | 94.5   | 2400 | 25              | 27.6                 | 700 | 4720                  | 2141 | 1/EA             |
| D60409                          |          | 1.1   | 28.1 | 106.3  | 2700 | 25              | 31.5                 | 800 | 4720                  | 2141 | 1/EA             |



## HAND TOOLS

### C00169 Standard Banding Tool



#### Use with

- Band & Buckle
- BAND-FAST®

Junior Adapters Below

### J05069 Junior® Heavy Duty Adapter



#### Use with

- BAND-IT® Tool on the BAND-IT® Junior® Smooth ID Preformed Clamps

### J00169 Junior® Clamp Adapter



#### Use with

- BAND-IT® Tool on the BAND-IT® Junior® Smooth ID Preformed Clamps

BAND-IT's standard tool for use on band widths of 1/4" to 3/4" (.015" - .030" thickness).

Replacement Parts:

- C02499 - Kit, Gripper, Gripper Spring, Groove Lock Pin, Slide Block, and Tension Screw
- C05887 - Kit, Cutter Bar Assembly
- C00689 - Kit, Tension Handle, Bearing and Screw

Used only with the C00169 BAND-IT® Tool to install Junior® Smooth I.D. Preformed Clamps for hose assembly when a vise is not available.

Replacement Parts:

- J00587 - Shear Hook
- J93099 - Junior® Lock Universal Cutter Blade Kit

Replacement Parts:

- J00587 - Shear Hook
- J93099 - Junior® Lock Universal Cutter Blade Kit

### C00269 Junior® Preformed Clamp Tool



#### Use with

- BAND-IT® Junior® Smooth ID Preformed Clamps

### C00369 Heavy Duty Banding Tool



#### Use with

- BAND-FAST® & Roll Band

Use to apply Junior® Preformed clamps and BAND-IT® Junior® Smooth ID Clamps. Tool performs best when used in a vice on band widths over 1/2".

Replacement Parts:

- C00689 - Tension Handle and Screw Kit
- J93099 - Cutter Blade Kit

The C00369 is a heavy duty version of the C00169 tool. Primarily designed for thicker materials and is not recommended for band thickness 0.015" or 0.020". This tool can be used for 0.044" X 3/4" wide Giant Band. Tool will tension beyond the limits of the 3300 lbs of force to yield 3/4" wide 201SS Giant Band.

Replacement Parts:

- C04799 - Spin Grip, External Retaining Ring, Tension Handle Bushing, Tension Handle, Set Screw, and Thrust Bearing
- C06799 - Tension Screw 5/8", Eccentric Lever Pivot Pin, Gripper Spring, Band Gripper, and Slide Block
- C05887 - Cutter Bar Handle, Vinyl Grip, Set Screw, and Cutter Bar

# HAND TOOLS

## G40269 Giant Banding Tool



### Use with

- *BAND-FAST® & Roll Band*

The G40269 is the strongest BAND-IT hand tool. This tool is designed for use with ¾", 1", 1-¼" width X .044" thick Giant Band & Buckle. Tool will tension beyond the limits of the 5500 lbs of force to yield 201 Stainless Steel Giant Band material.

Replacement Parts:

- G42487 - Slide Block Assembly
- G42087 - Tension Handle Assembly
- G42287 - Cutter Bar Assembly

## T30069 Center Punch Tool



Used to apply BAND-IT® 3/8" and 5/8" Center Punch Clamps, 201 Stainless Steel Band and Galvanized Carbon Steel Clamps.

Replacement Parts:

- T28088 - Head Assembly
- T32190 - Punch Kit
- T32290 - Gripper Kit
- S03289 - Hose Crimper Adapter

## S03869 Center Punch Tool



Easy to use ratchet drive can be switched to use either the 3/8" wide or 5/8" wide slots of this pocket style tool.

## C08569 Bantam Strapping Tool



The C08569 Bantam Strapping Tool is a light duty ratchet tool designed for palletizing and packaging. Similar to the C07569.

For use on max 0.025" (0.63mm) steel thickness.

## C40099 Ratchet Tool



The C40099 Ratchet Tool is a ratchet tool designed for the band and buckle systems excelling in palletizing and general banding. This tool works best on coated or painted band because of its gripping mechanism.

## J02069 Pok-It II Tool with Cutter



The J02069 Pok-It II Tool with Cutter has a compact design and ease of use to install 1/4" – 3/8" band and buckle and BAND-IT Jr. clamps. The ratchet design enables a quick strong tensioning for narrow band clamps.

# HAND TOOLS

## XE9229 Tensioning Tool

### Use with

- Ball-Lok™ Ties
- Multi-Lok Ties

KE9229 outside the US



Tensions and cuts off Ball-Lok, Ball-Lokt™ and Multi-Lok ties up to 0.5" (12mm) wide regardless of material or coating.

## C07569 Bantam Tool

### Use with

- BAND-IT Ties
- PPA Coated Band
- Valu-strap
- PPA Coated BAND-FAST®



BAND-IT® Bantam tool is a compact, lightweight, ratchet action tool with built in cutter.

- 3 way handle adjusts for one or two-handed tensioning
- Zinc plated for corrosion resistance
- Useful in tight areas with minimal access
- Designed for easy loading and removing of material
- Use with coated and uncoated BAND-IT® ties or Coated Band up to 3/4" (19mm) wide and up to 0.025" (0.63mm) steel thickness.

## K50289 Ball-Lok Tool

### Use with

- Ball-Lok Ties
- Ball-Lokt™ Ties



Install Ball-Lok and Ball-Lokt™ stainless steel ties up to 0.3" (7.9mm) wide quickly and easily with the lightweight, portable Ball-Lok tool with adjustable tension, side loading and automatic tail cut-off.

## M50389 Multi-Lok Hand Tool

### Use with

- Multi-Lok Ties



Quickly, easily and consistently applies any size Multi-Lok ties. Simply adjust the Multi-Lok tool for the desired tension, slip the Multi-Lok in the slot, or side load, and squeeze the handle. When the proper tension is reached, the Multi-Lok tool automatically cuts the tail off flush with the buckle.

# HAND TOOLS

## A91079 Mini Tie-Lok II Tool

### Use with

- 0.177" wide (4.5mm) Mini Tie-Lok® Ties



For applying 0.177" wide smooth ID Mini Tie-Lok® ties for cable bundling, hose bundling and identification tagging. Forms unique dimple lock with a strong locking force and cuts off the excess band flush with top of buckle so the completed lock is smooth and not sharp.

- Forms dimple lock with a strong locking force in excess of 100 pounds (45 Kg)
- Adjustable controlled tension with repeatable results
- Easy to use, lightweight, compact design

## A92079 Tie-Lok® II Tool

### Use with

- 1/4" wide (6.35mm) Tie-Lok® Ties



Applies 1/4" wide smooth ID Tie-Lok® ties used in cable bundling, hose bundling, CV boot installation and identification tagging. Locks tie with the patented Tie-Lok® and cuts off excess band flush with top of buckle so the completed lock is smooth and not sharp.

- Forms dimple lock with a strong locking force in excess of 250 pounds (130 Kg)
- Adjustable controlled tension with repeatable results
- Easy to use, lightweight, compact design

## TL3800 Tie-Lok® Tool

### Use with

- Tie-Lok® Stainless Steel Ties in 3/8" width (9.53mm) only



The TL3800 Tie-Lok® tool is specifically designed to install 3/8" wide Tie-Lok® stainless steel ties. Repeatable, controlled tie tension. Punch depth limiter. Lightweight, compact design. Cut off produces clean hidden edges.

## A94079 ULTRA-LOK® Tool

### Use with

- Ultra-Lok® Ties



Applies Smooth ID ULTRA-LOK® ties. Locks tie with patented ULTRA-LOK® cut-off for increased loop tensile strength.

- Tool will tension clamp up to 400lbs of loop tensile strength

## AE2009 Tool



The AE2009 hand tool is used for tensioning BAND-IT® cable ties. Use with: BAND-IT Ties

## POWER TOOLS

### UL4000-D ULTRA-LOK® Cordless Tool



#### Use with

- Ultra-Lok® Band & Preformed Clamps

### CP4000-D Center Punch Cordless Tool



### IT Series Tool



#### Use with

- BAND-IT® Tie-Lok® Ties, and Junior® Smooth ID Preformed Clamps

### C001DA: Drill Accessory Banding Tool



#### Use with

- 201 Stainless Steel Band, Ear-Lok®, & Tru-Lok® Buckles

Ideal for mobile installations. Now powered with a Lithium-ion battery, with longer charge and battery life, the UL4000-D battery charge lasts longer with consistent peak performance through the life of the battery.

#### Replacement Parts:

- M09387 - Shear Plate for Installing 1/2" Wide UL Clamps
- M09887 - Shear Plate for Installing 3/4" Wide UL Clamps
- M09787 - Cutter Blade for Installing All UL Clamps
- C23199 - Lubricant for Tension Threads
- UL1219 - Handle Kit
- UL0020 - UL Tool without Drill
- M19785 - Replacement Drill (Metabo 110v Cordless)

BAND-IT's new heavy-duty tool offers consistent max clamping force for reliable clamp installation anywhere in the shop or in the field. Built on the proven 4000-D platform for easy and intuitive use.

Compatible with BAND-IT 5/8" Center Punch Clamps in 201 SS or Galvanized as well as Center Punch Band Fast with Color-It.

#### Replacement Parts:

- CP1000 - Center Punch Head Only
- C26991 - Hard Carrying Case
- CP0020 - Center Punch Tool without Drill
- M19785 - Replacement Drill (Metabo 110v Cordless)

**Note: Both part of the 4000-D family, the heads for the CP4000-D and UL4000-D are interchangeable.**

The IT Series Tool (with air hose and regulator) is a hand held tool used for repeatable high production environments.

- Can be fixtured into production system
- Variety of head configurations that allow installation of
  - .177", 1/4" and 3/8" Tie-Lok®
  - 1/4" Universal Clamps
  - 1/4" and 3/8" Jr.® Smooth ID Clamps
- Ergonomic design for ease of use by hand
- Heavy-duty cut-off and tensioning components
- Durable pneumatic system
- Easy to maintain

#### Available Versions.

- IT0750 For all .177" Mini Tie-Lok® Ties
- IT1000 For all 1/4" Tie-Lok® Ties and 1/4" Universal Clamps
- IT2000 For all 1/4" BAND-IT Junior® Clamps
- IT5000 For all 3/8" BAND-IT Junior® Clamps
- IT6000 For all 3/8" Tie-Lok® Ties

The Drill Accessory Banding Tool, compatible with any 18v drill\*, offers a solution for faster, stronger, and more reliable installations. No more manual winding – harness the power you already carry with you!

\*Drill not included, must have clutch settings.

## POWER TOOLS

### S75099 Pneumatic Junior® Clamp Application Tool



#### Use with

- *BAND-IT® Junior® Smooth ID Preformed Clamps*

### S35099 Pneumatic Junior® Clamp Automatic Air Tool



#### Use with

- *BAND-IT® Junior® Smooth ID Preformed Clamps*

### SM1700 Pneumatic Automatic Center Punch Clamp Air Tool



#### Use with

- *BAND-IT® Center Punch Preformed Clamps*

The "Standard Air Tool". The foot controlled standard air tool applies the complete range of BAND-IT Junior® and Junior® Smooth ID preformed clamps.

#### Replacement Parts:

- S45799 - Band Gripper Kit
- J93099 - Junior Lock Universal Cutter Blade Kit
- J00587 - Shear Hook
- S45087 - Tripper Plate

For high volume production clamping of all widths and diameter sizes of BAND-IT Junior® Smooth ID and Junior® preformed clamps. Automatically tensions and cuts off clamp tail after roll-up and lock.

#### Replacement Parts:

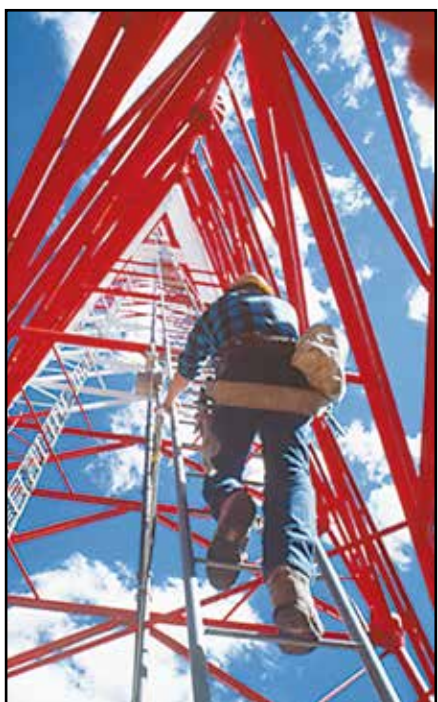
- S45799 - Band Gripper Kit
- J93099 - Junior Lock Universal Cutter Blade Kit
- S45087 - Tripper Plate

Designed to install BAND-IT® Center Punch 5/8" wide preformed clamps, made from 201 Stainless Steel and Galvanized Carbon Steel. Automatically tensions and cuts off clamp tail.

#### Replacement Parts:

- S45199 - CP Band Gripper Kit
- M17799 - CP Cutter Blade Kit
- S45087 - Tripper Plate

# Electrical Applications



**Engineered Mounting Systems:** Outdoor pole, tower & aerial applications for power, communication infrastructure and alternative energy.

## Products:

- Mounting Hardware: Bolt clamp, mounting plate, stainless steel brackets
- Band and Buckle Systems: Ultra-Lok® system, band and buckle in various materials and widths

## Benefits:

- Superior performance in extreme temperatures, UV light exposure and salt spray
- Corrosion resistant plating on all hardware
- Full tension and heavy duty fastening
- Low installed cost and long service life
- Band & Buckle - 201 SS, 304 SS, 316 SS, Alloy 400 & 625
- Quality certified manufacturing process management – ISO9001 with TS 16949
- Easily applied to pole without drilling
- Ideal for clamping cable splice closures
- Easy to install with no special tools required
- Many banding options

## Certifications *For detailed certification information, see page 44.*



- **Russian Maritime Register of Shipping (RS)**  
- Ball-Lok, Multi-Lok Ties, Tie-Lok® Ties, Mini Tie-Lok® Ties.



- **CE** - Ball-Lok Ties, BAND-IT AE Ties, Multi-Lok Ties, Tie-Lok® Ties, Mini Tie-Lok® Ties



- **DNV** - BAND-IT Ties, BAND-IT AE Ties, BALL-LOK Ties, BALL-LOKT TiesTM, Multi-Lok Ties, Tie-Lok® Ties.



- **Lloyd's Register** - BAND-IT Ties, Multi-Lok Ties, Tie-Lok® Ties.



- **UL** - BALL-LOK Ties, BALL-LOKT TiesTM, BAND-IT AE Ties, Tie-Lok® Ties, Multi-Lok Ties.



- **American Bureau of Shipping (ABS)** A classification sign and construction of new vessels and the integrity of existing vessels and marine structures.

# Cable Restraint Solutions

## WIN BIG With BAND-FAST® Alternative to Cable Cleats!

BAND-IT's BAND-FAST® cable restraint solutions are the perfect alternative to cable cleats for cable management applications that require short circuit protection to IEC61914:2015 Standards.

BAND-IT's BAND-FAST® products cost significantly less than traditional cable cleats! When you need to increase productivity and reduce the risk of injury, start using BAND-FAST® and create a safe and efficient work environment!

### Features & Benefits:

- Increased profitability
- Space saving with lower profile finish
- Logistical and handling benefits (easier to move around site in bulk)
- 316 grade stainless steel
- High Performance PPA 571 coating eliminates the need for protective channel/lining
- Zero Halogen, low smoke & fume
- Materials covered by multiple type approvals
- Standard width 5/8" (15.88mm) - other widths available
- Large diameter adjustment - fewer part numbers to order



### Application Tools:



**C07569 Bantam Tool**  
(for PPA Coated)



**C00169 BAND-IT Tool**  
(for Uncoated)



**DT2000 Digital Banding Tool** (for Coated & Uncoated)



# Cable Restraint Solutions

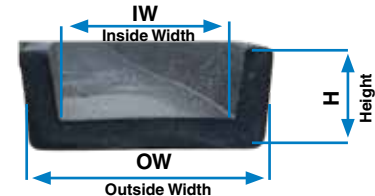
## Electromechanical Force Testing

Tested by independent third party facility to the latest Cable Cleat Standard IEC61914:2015 for resistance to electromechanical force



### Cushion Sleeve

|                |                 | OW   |    | IW   |    | H    |    | Length |   |
|----------------|-----------------|------|----|------|----|------|----|--------|---|
|                |                 | in   | mm | in   | mm | in   | mm | ft     | m |
| Part No.       | Material        |      |    |      |    |      |    |        |   |
| Cushion Sleeve |                 |      |    |      |    |      |    |        |   |
| CS10E009       | Neoprene (5/8") | 0.91 | 23 | 0.66 | 17 | 0.38 | 10 | 30     | 9 |
| CS12E009       | Neoprene (3/4") | 1.05 | 27 | 0.88 | 22 | 0.25 | 6  | 30     | 9 |



### BAND-FAST - Cable Cleat Alternative

| Part No.                                                                          | Band Ref. | Buckle/Clip Ref. | Width |       | Length |      | Single/Double Wrap | *Max Cable OD (single cable config.) |     | *Max Cable OD (trefoil cable config.) |    | *Max Cable OD (quadrafoil cable config.) |    | Pkg Qty | Weight |       | Passed IEC61914: 2015 short Circuit Test in Trefoil up to (kA peak) |
|-----------------------------------------------------------------------------------|-----------|------------------|-------|-------|--------|------|--------------------|--------------------------------------|-----|---------------------------------------|----|------------------------------------------|----|---------|--------|-------|---------------------------------------------------------------------|
|                                                                                   |           |                  | in    | mm    | in     | mm   |                    | in                                   | mm  | in                                    | mm | in                                       | mm |         | lbs    | kg    |                                                                     |
| PPA Coated BAND-FAST® Clamps                                                      |           |                  |       |       |        |      |                    |                                      |     |                                       |    |                                          |    |         |        |       |                                                                     |
| LFAC-F1015M030-A900                                                               | AE435     | AE455            | 5/8   | 15.88 | 11.81  | 300  | Single             | 1.57                                 | 40  | 0.51                                  | 13 | 0.47                                     | 12 | 100     | .05    | 0.025 | 50.8kA                                                              |
| LFAC-F1015M040-A900                                                               | AE435     | AE455            | 5/8   | 15.88 | 15.75  | 400  | Single             | 2.95                                 | 75  | 1.10                                  | 28 | 0.98                                     | 25 | 100     | .06    | 0.030 | 50.8kA                                                              |
| LFAC-F1015M050-A900                                                               | AE435     | AE455            | 5/8   | 15.88 | 19.68  | 500  | Single             | 3.93                                 | 100 | 1.69                                  | 43 | 1.45                                     | 37 | 100     | .08    | 0.038 | 50.8kA                                                              |
| LFAC-F1015M060-A900                                                               | AE435     | AE455            | 5/8   | 15.88 | 23.62  | 600  | Single             | 5.11                                 | 130 | 2.24                                  | 57 | 1.96                                     | 50 | 100     | .10    | 0.045 | 50.8kA                                                              |
| LFAC-F1015M070-A900                                                               | AE435     | AE455            | 5/8   | 15.88 | 27.56  | 700  | Single             | 6.29                                 | 160 | 2.75                                  | 70 | 2.36                                     | 60 | 100     | .11    | 0.052 | 50.8kA                                                              |
| LFFC-F1015M040-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 15.75  | 400  | Double             | 1.57                                 | 40  | 0.51                                  | 13 | 0.47                                     | 12 | 100     | .06    | 0.030 | 76.3kA                                                              |
| LFFC-F1015M050-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 19.68  | 500  | Double             | 2.16                                 | 55  | 0.82                                  | 21 | 0.70                                     | 18 | 100     | .08    | 0.038 | 76.3kA                                                              |
| LFFC-F1015M060-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 23.62  | 600  | Double             | 2.75                                 | 70  | 1.10                                  | 28 | 0.98                                     | 25 | 100     | .10    | 0.045 | 76.3kA                                                              |
| LFFC-F1015M070-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 27.56  | 700  | Double             | 3.34                                 | 85  | 1.37                                  | 35 | 1.22                                     | 31 | 100     | .11    | 0.052 | 76.3kA                                                              |
| LFFC-F1015M080-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 31.50  | 800  | Double             | 3.93                                 | 100 | 1.65                                  | 42 | 1.45                                     | 37 | 100     | .13    | 0.060 | 76.3kA                                                              |
| LFFC-F1015M100-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 39.37  | 1000 | Double             | 5.11                                 | 130 | 2.24                                  | 57 | 1.96                                     | 50 | 100     | .16    | 0.075 | 76.3kA                                                              |
| LFFC-F1015M120-A900                                                               | AE435     | LE155            | 5/8   | 15.88 | 47.24  | 1200 | Double             | 6.2                                  | 160 | 2.75                                  | 70 | 2.36                                     | 60 | 100     | .19    | 0.090 | 76.3kA                                                              |
| Uncoated BAND-FAST® with Ear-Lokt Buckle - Installed with addition cushion sleeve |           |                  |       |       |        |      |                    |                                      |     |                                       |    |                                          |    |         |        |       |                                                                     |
| LFEC-F1030M050                                                                    | C405      | C455             | .5/8  | 15.88 | 19.68  | 500  | Double             | 2.16                                 | 55  | 0.82                                  | 21 | 0.70                                     | 18 | 100     | .13    | 0.062 | 112kA                                                               |
| LFEC-F1030M060                                                                    | C405      | C455             | 5/8   | 15.88 | 23.62  | 600  | Double             | 2.75                                 | 70  | 1.10                                  | 28 | 0.98                                     | 25 | 100     | .15    | 0.070 | 112kA                                                               |
| LFEC-F1030M070                                                                    | C405      | C455             | 5/8   | 15.88 | 27.56  | 700  | Double             | 3.34                                 | 85  | 1.37                                  | 35 | 1.22                                     | 31 | 100     | .17    | 0.078 | 112kA                                                               |
| LFEC-F1030M080                                                                    | C405      | C455             | 5/8   | 15.88 | 31.50  | 800  | Double             | 3.93                                 | 100 | 1.65                                  | 42 | 1.45                                     | 37 | 100     | .18    | 0.086 | 112kA                                                               |
| LFEC-F1030M100                                                                    | C405      | C455             | 5/8   | 15.88 | 39.37  | 1000 | Double             | 5.11                                 | 130 | 2.24                                  | 57 | 1.96                                     | 50 | 100     | .22    | 0.103 | 112kA                                                               |
| LFEC-F1030M120                                                                    | C405      | C455             | 5/8   | 15.88 | 47.24  | 1200 | Double             | 6.2                                  | 160 | 2.75                                  | 70 | 2.39                                     | 60 | 100     | .26    | 0.120 | 112kA                                                               |
| LFEC-F1230M050                                                                    | C406      | C456             | 3/4   | 19.1  | 19.68  | 500  | Double             | 2.16                                 | 55  | 0.82                                  | 21 | 0.70                                     | 18 | 100     | .17    | 0.078 | 120kA                                                               |
| LFEC-F1230M060                                                                    | C406      | C456             | 3/4   | 19.1  | 23.62  | 600  | Double             | 2.75                                 | 70  | 1.10                                  | 28 | 0.98                                     | 25 | 100     | .19    | 0.088 | 120kA                                                               |
| LFEC-F1230M070                                                                    | C406      | C456             | 3/4   | 19.1  | 27.56  | 700  | Double             | 3.34                                 | 85  | 1.37                                  | 35 | 1.22                                     | 31 | 100     | .21    | 0.098 | 120kA                                                               |
| LFEC-F1230M080                                                                    | C406      | C456             | 3/4   | 19.1  | 31.50  | 800  | Double             | 3.93                                 | 100 | 1.65                                  | 42 | 1.45                                     | 37 | 100     | .23    | 0.108 | 120kA                                                               |
| LFEC-F1230M100                                                                    | C406      | C456             | 3/4   | 19.1  | 39.37  | 1000 | Double             | 5.11                                 | 130 | 2.24                                  | 57 | 1.96                                     | 50 | 100     | .28    | 0.128 | 120kA                                                               |
| LFEC-F1230M120                                                                    | C406      | C456             | 3/4   | 19.1  | 47.24  | 1200 | Double             | 6.2                                  | 160 | 2.75                                  | 70 | 2.39                                     | 60 | 100     | .33    | 0.150 | 120kA                                                               |

# Electrical Product Matrix

| BAND-IT® Electrical Product Solutions  |                                                 |  |                             |                       |                       |               |                    |                      |                   |                      |                     |                   |
|----------------------------------------|-------------------------------------------------|--|-----------------------------|-----------------------|-----------------------|---------------|--------------------|----------------------|-------------------|----------------------|---------------------|-------------------|
|                                        |                                                 |  | Performance Characteristics |                       |                       |               |                    |                      |                   |                      |                     |                   |
| Product Matrix                         |                                                 |  | Speedy Install              | Loop Tensile Strength | Salt Spray Resistance | UV Resistance | LSF / Zero Halogen | Temperature Extremes | Long Service Life | Vibration Resistance | Chemical Resistance | Performance Score |
| Scale - Least Suitable → Most Suitable |                                                 |  | 1                           | 2                     | 3                     | 4             | 5                  | Multiple →           | M                 |                      |                     |                   |
| Smooth ID Ball-Lok Ties                | Fully Coated 316SS (Epoxy)                      |  | 5                           | 3                     | 5                     | 2             | 5                  | 2                    | 3                 | 2                    | 2                   | 29                |
|                                        | Uncoated 316SS                                  |  | 5                           | 3                     | 5                     | 5             | 5                  | 5                    | 5                 | 2                    | 5                   | 40                |
|                                        | Uncoated 304SS                                  |  | 5                           | 3                     | 3                     | 5             | 5                  | 5                    | 5                 | 2                    | 4                   | 37                |
| Ball-Lok Ties                          | Fully Coated 316SS (Epoxy)                      |  | 5                           | 3                     | 5                     | 2             | 5                  | 2                    | 3                 | 2                    | 2                   | 29                |
|                                        | Uncoated 316SS                                  |  | 5                           | 3                     | 5                     | 5             | 5                  | 5                    | 5                 | 2                    | 5                   | 40                |
|                                        | Uncoated 304SS                                  |  | 5                           | 3                     | 3                     | 5             | 5                  | 5                    | 5                 | 2                    | 4                   | 37                |
| Multi-Lok Ties                         | Fully Coated (Nylon 11) 316SS                   |  | 4                           | 2                     | 5                     | 4             | 5                  | 2                    | 4                 | 4                    | 2                   | 32                |
|                                        | Uncoated 316SS                                  |  | 4                           | 2                     | 5                     | 5             | 5                  | 5                    | 5                 | 4                    | 5                   | 40                |
| BAND-IT AE Ties                        | Fully Coated PPA571 316SS                       |  | 3                           | 3                     | 5                     | 4             | 5                  | 2                    | 4                 | 5                    | 3                   | 34                |
| Tie-Lok Ties (Standard & Mini)         | 316SS                                           |  | 4                           | 2                     | 5                     | 5             | 5                  | 5                    | 5                 | 5                    | 5                   | 41                |
|                                        | 304SS                                           |  | 4                           | 2                     | 3                     | 5             | 5                  | 5                    | 5                 | 5                    | 3                   | 37                |
| 316SS PPA Coated Stainless Steel Band  | Fully Coated PPA571 316SS                       |  | 2                           | 4                     | 5                     | 4             | 5                  | 2                    | 4                 | 5                    | 3                   | 34                |
| All Purpose Band                       | Fully Coated PPA571 316SS                       |  | 2                           | 4                     | 5                     | 4             | 5                  | 2                    | 4                 | 4                    | 3                   | 33                |
| Band & Buckle Systems                  | 201SS, 304SS, 316SS, 317L, Alloy 400, Alloy 625 |  | M                           | M                     | M                     | M             | M                  | M                    | M                 | M                    | M                   | M                 |
| ULTRA-LOK®                             | 1/4 Hard 201 SS                                 |  | 4                           | 5                     | 2                     | 5             | 5                  | 5                    | 5                 | 5                    | 2                   | 38                |

# Electrical Product Matrix

| Application Match           |                                                     |                        |                                       |        | Description                                                                                                 | Approvals & Listings               | Page  |
|-----------------------------|-----------------------------------------------------|------------------------|---------------------------------------|--------|-------------------------------------------------------------------------------------------------------------|------------------------------------|-------|
| Marine & Offshore (Outdoor) | Marine, Chemical Plant, Industrial Complex (Indoor) | Utility Pole and Tower | Heavy Mounting Utility Pole and Tower | Mining |                                                                                                             |                                    |       |
| Cable tray Bundling         | General Fastening and Mounting                      |                        |                                       |        |                                                                                                             |                                    |       |
|                             | X                                                   |                        |                                       | X      | Ball-Lok Tie, 316SS, 0.010" (base metal) 0.016" (coated, Nylon 11)                                          | DNV, Lloyds, RMRS, CE              | NL    |
| X                           | X                                                   | X                      |                                       | X      | Ball-Lok Tie, 316SS, 0.010"                                                                                 | DNV, Lloyds, RMRS, CE              | NL    |
|                             | X                                                   | X                      |                                       | X      | Ball-Lok Tie, 304SS, 0.010"                                                                                 | DNV, Lloyds, RMRS, CE              | NL    |
|                             | X                                                   |                        |                                       | X      | Ball-Lokt™ Tie, 316SS, 0.010 CTD Black Epoxy                                                                | UL, DNV                            | 26,27 |
| X                           | X                                                   | X                      |                                       | X      | Ball-Lokt™ Tie, 316SS, 0.010"                                                                               | UL, DNV                            | 26,27 |
|                             | X                                                   | X                      |                                       | X      | Ball-Lokt™ Tie, 304SS, 0.010                                                                                | UL, DNV                            | 26,27 |
| X                           | X                                                   | X                      |                                       | X      | Multi-Lok Tie, 316SS, 0.011" (base metal) 0.018" (coated, Nylon 11)                                         | DNV, Lloyds, RMRS, CE, UL          | 25    |
| X                           | X                                                   | X                      |                                       | X      | Multi-Lok Tie, 316SS, 0.011" Thickness                                                                      | DNV, Lloyds, RMRS, CE, UL          | 25    |
| X                           | X                                                   | X                      |                                       | X      | BAND-IT® Tie, 316SS, 0.015" (base metal) 0.040" (PPA 571)                                                   | DNV, Lloyds, RMRS, CE              | 28    |
| X                           | X                                                   | X                      |                                       | X      | Tie-Lok® Tie SID, 316SS, 0.015" Thickness                                                                   | UL, DNV(UK), Lloyds (UK), RMRS(UK) | 24    |
|                             | X                                                   | X                      |                                       | X      | Tie-Lok® Tie, SID, 304SS, 0.020" Thickness                                                                  | UL, DNV(UK), Lloyds (UK), RMRS(UK) | 24    |
| X                           | X                                                   | X                      |                                       | X      | Coated Band, 316SS, 0.015" (base metal) 0.045" (coated, PPA571) x 82.5'                                     | DNV, Lloyds, ABS, RMRS, CE         | 8     |
| X                           | X                                                   |                        |                                       | X      | All Purpose Band, 316SS 0.030" (base metal) 0.050" (CTD, PPA571) x 82.5'                                    | DNV, Lloyds, ABS, RMRS             | 9     |
| X                           | X                                                   | X                      | X                                     | X      | 1/4", 3/8", 1/2", 5/8", 3/4", 1", 1-1/4" Widths<br>0.015", 0.020, 0.025, 0.030, 0.044 thicknesses available |                                    | 5-9   |
|                             |                                                     | X                      | X                                     | X      | Ultra-Lok® Band, 201SS 1/4 Hard                                                                             |                                    | 14    |

# BAND-IT Certifications & Approvals



**Det Norske Veritas - Germanischer Lloyd (DNV-GL)** DNV is one of the world's leading classification and certification bodies operating in the Maritime, Oil & Gas & Energy industries.



**American Bureau of Shipping (ABS)** A classification sign and construction of new vessels and the integrity of existing vessels and marine structures.



**Lloyd's Register Group** A maritime classification society and independent risk management organization providing risk assessment and mitigation services and management systems certification. Historically, as Lloyd's Register of Shipping, it was a specifically maritime organization.



**Russian Maritime Register of Shipping (RS)** The activities of Russian Maritime Register of Shipping (RS) are aimed at providing the safety of navigation, safety of life at sea, security of ships, safe carriage of cargo, environmental safety of ships, prevention of pollution from ships, performance of authorizations issued by Administrations and customers. RS develops and continually improves the RS rules and guidelines in compliance with requirements of the international standards to ensure the safety at sea and pollution prevention.

The RS task is both to maintain its own quality management system at the highest possible level and to promote also implementation of high technical standards in design of ships, shipbuilding and shipping industry using its unique experience in ensuring maritime safety.



**Underwriters Laboratories (UL)** An independent product safety certification organization that develops standards and test procedures for products, materials, components, assemblies, tools and equipment, chiefly dealing with product safety.

**Aramco 9COM** BAND-IT® is registered as an Aramco 9COM manufacturer.



**ISO TS 16949** ISO/TS 16949 is designed to address quality management in the automotive supply chain. It is based on the eight quality management principles: customer focus, leadership, involvement of people, process approach, system approach to management, continual improvement, fact-based decision making, and mutually beneficial supplier relationships. In addition, ISO/TS 16949 focuses on customer specific requirements.

**ISO 14001** The ISO 14000 environmental management standards exist to help organizations (a) minimize how their operations (processes etc.) negatively affect the environment (i.e. cause adverse changes to air, water, or land); (b) comply with applicable laws, regulations, and other environmentally oriented requirements, and (c) continually improve in the above.

**ISO 9001** The ISO 9000 family of standards relate to quality management systems and are designed to help organizations ensure they meet the needs of customers and other stakeholders. The standards are published by ISO, the International Organization for Standardization and available through National standards bodies. ISO 9000 deals with the fundamentals of quality management systems, including the eight management principles on which the family of standards is based. ISO 9001 deals with the requirements that organizations wishing to meet the standard have to fulfill.



**British Standards Institution (BSI)** Is the business standards company that helps organizations all over the world make excellence a habit. We have many varied partners. These include international standards bodies, such as ISO, external consultants who help our clients and professional affiliations.



**CE** CE marking is a mandatory conformity mark for products placed on the market in the European Economic Area (EEA). With the CE marking on a product the manufacturer ensures that the product conforms with the essential requirements of the applicable EC directives. The letters “CE” stand for “Conformité Européenne” (“European Conformity”).



**United States Coast Guard** Type approval is the primary process for equipment and materials to receive Coast Guard approval. For equipment or materials to receive Type Approval, they must be demonstrated to comply with the relevant requirements in the regulations, successfully complete the specified tests, and be enrolled in a quality control or follow up program as required.

## Definitions

**Corrosion Resistance** - The ability of a material to withstand degradation in specific environments.

**Loop Tensile Strength** - The maximum amount of force, applied radially, an installed clamp/tie will withstand prior to failure.

**Nylon 11** - Non-toxic polymer cable tie coating resistant to stress cracking, abrasion, impact, salt spray and typical airborne pollutants. When subjected to fire, this coating is halogen-free and produces low amounts of smoke.

**Polyester** - A high performance black polyester, non-toxic polymer coating for rolled band resistant to stress cracking, abrasion, impact, salt spray and typical airborne pollutants. When subjected to fire, this coating is halogen free and produces low amounts of smoke.

**PPA 571** - A non-toxic polymer coating for rolled band resistant to stress cracking, abrasion, impact, salt spray and typical airborne pollutants. When subjected to fire, this coating is halogen free and produces low amounts of smoke.

**Black Epoxy** - Resistant to chemical and salt water environments.

**Production Tool** - Power tools to install band clamps and tie products consistently.

| Material                         | 201<br>Stainless<br>Steel | 201 1/4<br>Hard | 202<br>Stainless<br>Steel | 301<br>Stainless<br>Steel | 302<br>Stainless<br>Steel | 304<br>Stainless<br>Steel | 316<br>Stainless<br>Steel | 317L 1/4<br>Hard<br>Stainless<br>Steel | 321<br>Stainless<br>Steel | 200/300<br>Series<br>Stainless<br>Steel | Alloy 400         | Alloy 625     | Titanium<br>GR1 |  |
|----------------------------------|---------------------------|-----------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------------------------|---------------------------|-----------------------------------------|-------------------|---------------|-----------------|--|
| Specification                    |                           |                 |                           |                           |                           |                           |                           |                                        |                           |                                         |                   |               |                 |  |
| UNS Designation                  | S20100                    | S20100          | S20200                    | S30100                    | S30200                    | S30400                    | S31600                    | S31703                                 | S32100                    | ---                                     | N04400            | N06625        | R50250          |  |
| ASTM                             | A 666                     | A 666           | A 666                     | A 666                     | A 666                     | A 666                     | A 666                     | A 240                                  | A 240                     | ---                                     | B 127             | B 443         | B 265           |  |
| Principal Alloying Elements, %   |                           |                 |                           |                           |                           |                           |                           |                                        |                           |                                         |                   |               |                 |  |
| C                                | .015 Max                  | .015 Max        | .015 Max                  | .15 Max                   | .15 Max                   | .08 Max                   | .08 Max                   | .03 Max                                | .08 Max                   | ---                                     | .3 Max            | .10 Max       | .08 Max         |  |
| Mn                               | 5.50 - 7.50               | 5.50 - 7.50     | 7.5-10.0                  | 2.0 Max                   | 2.0 Max                   | 2.0 Max                   | 2.0 Max                   | 2.0 Max                                | 2.0 Max                   | ---                                     | 2.0 Max           | .50 Max       | ---             |  |
| P                                | .06 Max                   | .06 Max         | .06 Max                   | .045 Max                  | .045 Max                  | .045 Max                  | .045 Max                  | .045 Max                               | .045 Max                  | ---                                     | ---               | .015 Max      | ---             |  |
| S                                | .03 Max                   | .03 Max         | .03 Max                   | .030 Max                  | .030 Max                  | .030 Max                  | .030 Max                  | .030 Max                               | .030 Max                  | ---                                     | 0.024 Max         | .015 Max      | ---             |  |
| Si                               | .75 Max                   | .75 Max         | .75 Max                   | 1.00 Max                  | .75 Max                   | .75 Max                   | .75 Max                   | .75 Max                                | .75 Max                   | ---                                     | 0.5 Max           | 50 Max        | ---             |  |
| Cr                               | 16.0-18.0                 | 16.0-18.0       | 17.0-19.0                 | 16.0-18.0                 | 17.0-19.0                 | 18.0-20.0                 | 16.0-18.0                 | 18.0-20.0                              | 17.0-19.0                 | ---                                     | ---               | 20.0-23.0     | ---             |  |
| Ni                               | 3.50-5.50                 | 3.50-5.50       | 4.0-6.0                   | 6.0-8.0                   | 8.0-10.0                  | 8.0-10.5                  | 10.0-14.0                 | 11.0-15.0                              | 9.0-12.0                  | ---                                     | 63.0 Min          | 58.0 Min      | ---             |  |
| N                                | .25 Max                   | .25 Max         | .25 Max                   | .10 Max                   | ---                       | .10 Max                   | ---                       | .10 Max                                | .10 Max                   | ---                                     | ---               | ---           | .03 Max         |  |
| O                                | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | ---               | ---           | .18 Max         |  |
| H                                | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | ---               | ---           | .015 Max        |  |
| Mo                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | 2.0-3.0                   | 3.0-4.0                                | ---                       | ---                                     | ---               | 8.0-10.0      | ---             |  |
| Cu                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | 28.0-34.0         | ---           | ---             |  |
| Fe                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | 2.5 Max           | 5.0 Max       | .20 Max         |  |
| Ti                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | ---               | 0.40 Max      | Balance         |  |
| Zn                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | ---               | 0.40 Max      | Balance         |  |
| Al                               | ---                       | ---             | ---                       | ---                       | ---                       | ---                       | ---                       | ---                                    | ---                       | ---                                     | ---               | ---           | ---             |  |
| Physical Properties              |                           |                 |                           |                           |                           |                           |                           |                                        |                           |                                         |                   |               |                 |  |
| Density, Lb/Cu. In.              | 0.287                     | 0.287           | 0.287                     | 0.290                     | 0.290                     | 0.290                     | 0.290                     | 0.290                                  | 0.286                     | 0.287                                   | 0.319             | 0.305         | 0.163           |  |
| Structure                        | Austenitic                | Austenitic      | Austenitic                | Austenitic                | Austenitic                | Austenitic                | Austenitic                | Austenitic                             | ---                       | Austenitic                              | ---               | ---           | Alpha           |  |
| Melting Range                    | 2550 - 2650°F             | 2550- 2650°F    | 2550- 2650°F              | 2550- 2590°F              | 2550- 2590°F              | 2550- 2590°F              | 2540 - 2630°F             | 2540 - 2630°F                          | 2550 - 2635°F             | 2550- 2650°F                            | 2370- 2460°F      | 2500 - 2550°F | 2500 - 2550°F   |  |
| Electrical Properties            | Non-Magnetic              | Non-Magnetic    | Non-Magnetic              | Non-Magnetic              | Non-Magnetic              | Non-Magnetic              | Non-Magnetic              | Non-Magnetic                           | Non-Magnetic              | Non-Magnetic                            | Slightly Magnetic | Non-Magnetic  | Non-Magnetic    |  |
| Mechanical Properties            |                           |                 |                           |                           |                           |                           |                           |                                        |                           |                                         |                   |               |                 |  |
| Rockwell Hardness                | 100 Rb Max                | ---             | 100 Rb Max                | 95 Rb Max                 | 92 Rb Max                 | 92 Rb Max                 | 95 Rb Max                 | 95 Rb Max                              | 95 Rb Min                 | 70-95Rb                                 | 68 Rb Max         | 88-94Rb       | 64-70Rb         |  |
| Ultimate Tensile Strength (PSI)  | 95,000                    | 125,000         | 90,000                    | 75,000                    | 75,000                    | 75,000                    | 75,000                    | 115,000                                | 75,000                    | 75,000                                  | 70,000            | 120,000       | 35,000          |  |
| Yield Strength (PSI)             | 45,000                    | 75,000          | 38,000                    | 30,000                    | 30,000                    | 30,000                    | 40,000                    | 75,000                                 | 30,000                    | 30,000                                  | 28,000            | 60,000        | 20,000          |  |
| % of Elongation in 2 inches, Min | 40                        | 25              | 40                        | 40                        | 40                        | 40                        | 35                        | 10                                     | 40                        | 30                                      | 35                | 30            | 24              |  |
| Corrosion Resistance             |                           |                 |                           |                           |                           |                           |                           |                                        |                           |                                         |                   |               |                 |  |
| Mild Atmospheric and Fresh Water | Good                      | Good            | Good                      | Good                      | Very Good                 | Very Good                 | Excellent                 | Excellent                              | Excellent                 | Good                                    | Good              | Good          | Good            |  |
| Industrial Atmosphere            | Good                      | Good            | Good                      | Good                      | Very Good                 | Very Good                 | Very Good                 | Very Good                              | Very Good                 | Good                                    | Good              | Good          | Good            |  |
| Marine Atmosphere                | Fair                      | Fair            | Fair                      | Fair                      | Good                      | Good                      | Very Good                 | Very Good                              | Very Good                 | Fair                                    | Excellent         | Excellent     | Good            |  |
| Salt Water                       | No                        | No              | No                        | No                        | No                        | No                        | Good                      | Good                                   | Good                      | No                                      | Excellent         | Excellent     | Good            |  |
| Mild Chemical                    | Fair                      | Fair            | Fair                      | Fair                      | Good                      | Good                      | Good                      | Very Good                              | Good                      | Fair                                    | Good              | Good          | Good            |  |
| Oxidizing Chemical               | Fair                      | Fair            | Fair                      | Fair                      | Good                      | Good                      | Good                      | Good                                   | Good                      | Fair                                    | Good              | Good          | Excellent       |  |
| Reducing Chemical                | No                        | No              | No                        | No                        | No                        | No                        | Good                      | Good                                   | Good                      | No                                      | Good              | Good          | Fair            |  |

|  | Titanium<br>GR2  | Galvanized<br>Carbon<br>Steel | 403<br>Stainless<br>Steel | Carbon<br>Steel<br>(Magnus) | AL2003             | Aluminum<br>3003 | Alloy 27-7 | Alloy<br>AL6XN®  | Alloy C276 | Alloy 2507 | UNS<br>S32760 | Alloy 2205 | Alloy 718  | 409<br>Stainless<br>Steel | 430<br>Stainless<br>Steel |
|--|------------------|-------------------------------|---------------------------|-----------------------------|--------------------|------------------|------------|------------------|------------|------------|---------------|------------|------------|---------------------------|---------------------------|
|  | R50400           | ---                           | S40300                    | ---                         | S32003             | A93003           | S31277     | N08367           | N10276     | S32750     | S32760        | S32205     | N07718     | S40900                    | S43000                    |
|  | B 265            | A 105, A<br>695               | A 176                     | ---                         | A 240              | B 209            | A 240      | B 688            | B 462      | A 240      | A 240         | A 240      | B 637      | A-240                     | A-240                     |
|  | .08 Max          | .35 Max                       | .15 Max                   | ---                         | .03 Max            | ---              | .5-1.5     | .03 Max          | .01 Max    | .03 Max    | .03 Max       | .03 Max    | .08 Max    | .03 Max                   | 0.12 Max                  |
|  | ---              | .6-1.05                       | 1.0 Max                   | ---                         | 2.0 Max            | 1.0-1.5          | 3.0 Max    | ---              | 1.0 Max    | 1.2 Max    | 1.0 Max       | 2.0 Max    | .35 Max    | 1.0 Max                   | 1.00 Max                  |
|  | ---              | .04 Max                       | .04 Max                   | ---                         | .03 Max            | ---              | .03 Max    | .04 Max          | .04 Max    | 0.035 Max  | 0.03 Max      | 0.03 Max   | .015 Max   | 0.04 Max                  | .04 Max                   |
|  | ---              | .05 Max                       | .03 Max                   | ---                         | .02 Max            | ---              | .01 Max    | .03 Max          | .03 Max    | 0.02 Max   | 0.01 Max      | 0.02 Max   | .015 Max   | 0.02 Max                  | .03 Max                   |
|  | ---              | .10-.35                       | .50 Max                   | ---                         | 1.0 Max            | .60 Max          | .50 Max    | 1.0 Max          | .08 Max    | .80 Max    | 1.00 Max      | 1.00 Max   | .35 Max    | 1.00 Max                  | 1.00 Max                  |
|  | ---              | ---                           | 11.5-13.0                 | ---                         | 19.5-22.5          | ---              | 20.5-23.0  | 20.0-22.0        | 14.5-16.5  | 24-26.0    | 24.0-26.0     | 22.0-23.0  | 17.0-21.0  | 10.50-<br>11.75           | 16.0-18.0                 |
|  | ---              | ---                           | .60 Max                   | ---                         | 3.0-4.0            | ---              | 26.0-28.0  | 23.5-25.5        | Balance    | 6.0-8.0    | 6.0-8.0       | 4.5-6.5    | 50.0-55.0  | 0.5 Max                   | .75 Max                   |
|  | .03 Max          | ---                           | ---                       | ---                         | .14-.20            | ---              | .3-.4      | .18-.25          | ---        | .24-.32    | .20-.30       | .14-.20    | ---        | ---                       | ---                       |
|  | 0.25 Max         | ---                           | ---                       | ---                         | ---                | ---              | ---        | ---              | ---        | ---        | ---           | ---        | ---        | ---                       | ---                       |
|  | .015 Max         | ---                           | ---                       | ---                         | ---                | ---              | ---        | ---              | ---        | ---        | ---           | ---        | ---        | ---                       | ---                       |
|  | ---              | ---                           | ---                       | ---                         | 1.5-2.0            | ---              | ---        | 6.0-7.0          | 15.0-17.0  | 3.0-4.0    | 3.0-4.0       | 3.0-3.5    | 2.8-3.3    | ---                       | ---                       |
|  | ---              | ---                           | ---                       | ---                         | ---                | .20 Max          | ---        | .75 Max          | ---        | ---        | ---           | ---        | ---        | ---                       | ---                       |
|  | .30 Max          | ---                           | ---                       | ---                         | Balance            | .70 Max          | Balance    | ---              | 4.0-7.0    | ---        | ---           | ---        | Balance    | ---                       | ---                       |
|  | Balance          | ---                           | ---                       | ---                         | ---                | ---              | ---        | ---              | ---        | ---        | ---           | ---        | .65-1.15   | ---                       | ---                       |
|  | Balance          | ---                           | ---                       | ---                         | ---                | .10 Max          | ---        | ---              | ---        | ---        | ---           | ---        | ---        | ---                       | ---                       |
|  | ---              | ---                           | ---                       | ---                         | ---                | Balance          | ---        | ---              | ---        | ---        | ---           | ---        | .2-.8      | ---                       | ---                       |
|  | 0.163            | 0.283                         | 0.282                     | ---                         | 0.279              | 0.099            | 0.290      | 0.291            | 0.321      | 0.282      | 0.278         | 0.282      | 0.296      | 0.282                     | 0.282                     |
|  | Alpha            | Ferritic                      | Martensitic               | Ferritic                    | Duplex             | ---              | Austenitic | Austenitic       | Duplex     | Duplex     | Duplex        | Duplex     | Duplex     | Ferritic                  | Ferritic                  |
|  | 2500 -<br>2550°F | ---                           | 2720                      | ---                         | ---                | 1190             | ---        | 2500 -<br>2550°F | ---        | ---        | ---           | ---        | 2200-2450  | 2500-2550                 | 2500-2550                 |
|  | Non-<br>Magnetic | Magnetic                      | Ferro-<br>magnetic        | Magnetic                    | Ferro-<br>magnetic | ---              | ---        | ---              | ---        | ---        | ---           | ---        | ---        | ---                       | Magnetic                  |
|  | 64-70Rb          | 80-95Rb                       | 96 Rb Max                 | ---                         | 31 Rc Max          | 40 Brinell       | 90 Rb Typ  | 100 Rb Max       | ---        | 32 Rc Max  | 290 HB<br>max | 31 Rc max  | 109 Rb Min | 88 Rb Max                 | 89 Rb Max                 |
|  | 50,000           | 84,000                        | 70,000                    | 152,500                     | 100,000            | 22,000           | 112,000    | 100,000          | 100,000    | 116,000    | 108,000       | 95,000     | 185,000    | 55,000                    | 65,000                    |
|  | 40,000           | 80,000                        | 30,000                    | ---                         | 70,000             | 21,000           | 52,000     | 45,000           | 41,000     | 80,000     | 80,000        | 65,000     | 150,000    | 25,000                    | 30,000                    |
|  | 20               | 5                             | 25                        | ---                         | 25                 | 8                | 40         | 30               | 40         | 15         | 25            | 25         | 12         | 20                        | 22                        |
|  | Good             | Good/Fair                     | Good                      | Fair/Poor                   | Excellent          | ---              | Very Good  | Good             | Very Good  | Very Good  | Very Good     | Excellent  | Good       | Good                      | Good                      |
|  | Good             | Fair                          | Good                      | Fair                        | Very Good          | Good             | Excellent  | Good             | Excellent  | Very Good  | Very Good     | Very Good  | Good       | Good                      | Good                      |
|  | Good             | Poor                          | Poor                      | Poor                        | Very Good          | Good             | Excellent  | Excellent        | Excellent  | Very Good  | Very Good     | Very Good  | Excellent  | Poor                      | Poor                      |
|  | Good             | No                            | No                        | No                          | Good               | ---              | Excellent  | Excellent        | Excellent  | Very Good  | Very Good     | Very Good  | Excellent  | No                        | No                        |
|  | Good             | No                            | Fair                      | No                          | Good               | ---              | Good       | Good             | Good       | Good       | Good          | Good       | Good       | Fair                      | Fair                      |
|  | Excellent        | No                            | Fair                      | No                          | Good               | ---              | Good       | Good             | Good       | Good       | Good          | Good       | Good       | Fair                      | Fair                      |
|  | Fair             | No                            | Fair                      | No                          | Good               | ---              | Good       | Good             | Good       | Good       | Good          | Good       | Good       | Good                      | No                        |