

Patents

Many BAND-IT products shown herein are manufactured under one or more of the following U.S. and corresponding foreign patents owned by BAND-IT- IDEX, Inc., a unit of IDEX Corporation.

Other patents pending.

4,887,334	4,896,402	4,928,738	5,123,456	5,127,446	5,129,350	5,303,571
5,322,091	5,452,523	5,483,998	5,488,760	5,566,726	5,743,310	5,850,674
6,014,792	6,260,704	6,481,467	1,140,648			

Trademarks

BAND-IT®, BAND-IT Jr.®, Junior®, BAND-FAST™, COLOR-IT™, Tri-Lokt®, Thriftool®, Tie-Lok®, TORQ-LOKT™, Tie-Lok Tool®, Tie-Dex®, Band-Lok®, Self-Lok®, and Ultra-Lok® are registered trademarks owned by BAND-IT- IDEX, Inc., a unit of IDEX Corporation. SET9000™ and VALU-STRAP™ trademarks have been applied for. BAND-IT Trademarks are registered in the U.S. Patent and Trademark Office and in many other countries. For permission to use any BAND-IT logo or image, please contact us at: info.band-it@idexcorp.com

Acknowledgement of Registered Trademarks

- Q-BAND™ is a registered trademark of Great Lakes Textile, Inc.
- Q-Clip™ is a registered trademark of KOTEC'S Co., LTD. Corporation Higashi-Nippori, Arakawa-ku Tokyo in Japan.
- Monel® 400 and Inconel® 625 are registered trademarks of Inco Alloys International, Inc.
- AL6XN® is a registered trademark of ATI Properties.

Uniform Industrial Code

BAND-IT's UIC (Uniform Industrial Code) number is 662682.

Commercial and Government Entity Code

BAND-IT's Commercial and Government Entity Code (CAGE code) number is 70847.

Approvals



Tie products listed with the CE mark are suitable for electric purposes and meet the requirements of (LVD) 73/23/EEC.



Underwriters Laboratories Listing BAND-IT-IDEX has UL Listings on the products indicated.



Det Norske Veritas Type Approval BAND-IT Company Ltd, Derbyshire, has Det Norske Veritas Type Approval on the products indicated in the catalog certificate Number E-4464.



The CSA C/US mark signifies that the product meets applicable U.S. and Canadian standards, including those from CSA, CSA America, ANSI, ASME, ASSE, ASTM, NSF and UL.

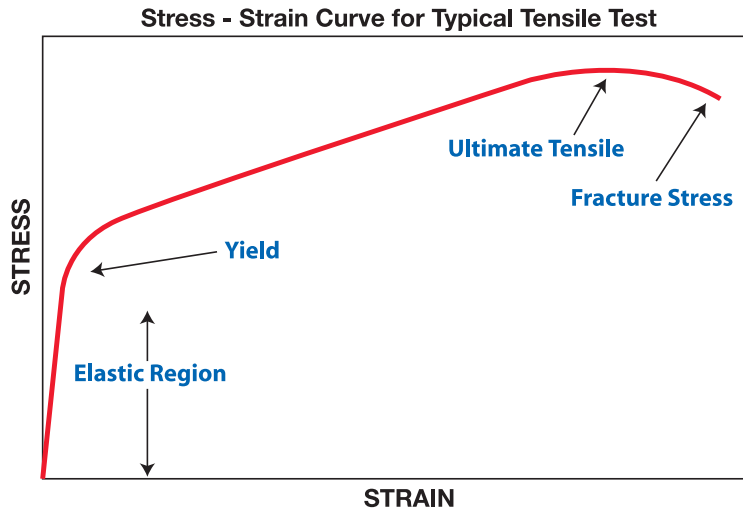
RoHS Compliance

All bands, clamps, ties and buckles that are manufactured at BAND-IT-IDEX, Inc. are fully compliant within the EU RoHS Directive, 2002/95/EC. These products are created using stainless or carbon steel material with no hazardous substances in the manufacturing. Specifically, Hexavalent Chromium, Lead, Mercury, Cadmium, PBB, or PBDE are not introduced in the manufacturing of, or present in, the raw material of our products. This includes the following families:

- Ball-Lok Ties and Buckles
- BAND-FAST™ Clamps
- Band-Lok® Ties
- BAND-IT® Band
- Center Punch Clamps and Buckles
- Ear-Lokt Buckles
- ID Tags
- Junior® Clamps and Buckles
- Jr.® SID Clamps and Buckles
- Open End Clamps and Buckles
- Powder Coated Ties and Buckles
- Q-Band™ and Q-Clips™
- Scru-Lokt Bands and Buckles
- Scru-Seal Clamping System
- Self-Lok® Ties
- Tie-Lok® Ties
- Tie-Dex® Bands and Buckles
- Ultra-Lok® Band and Buckles
- Ultra-Lok® Preformed Clamps
- Ultra-Lok® Ties and Buckles
- Universal Preformed Buckles and Clamps
- Valuband
- Valuclips
- VALU-STRAP™

*BAND-IT reserves the right to substitute material equal to or better than the material specifications of individual part numbers listed within this catalog. Tolerance is +.0005" / -.0025" for steel of thickness .030" and thinner and +.001 / -.003 for steel of thickness up to .044" unless otherwise specified by BAND-IT Engineering.





Definitions

For additional Technical information visit: www.BAND-IT-IDEX.com

Breaking Strength/Tensile Strength - The strength of a material when subjected to a stretching (tensile) force usually measured by placing a standard test piece in the jaws of a tensile machine, gradually separating the jaws, and measuring the force necessary to break the test piece. (This strength is expressed as pounds per square inch or PSI.)

Clamping Force - (Also, Retained Force) The amount of force applied to an object by an installed clamp or tie. The clamping force maintains the assembly integrity and hardware placement.

Cold Flow Properties of Flexible Hose Materials - The continued deformation or movement of hose wall material as a result of clamp tension.

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

Decorative Coating - A coating for matching pre-existing hardware or decorative traffic poles. These coatings are often an applied and baked, powder polyester finish.

Elongation - The amount of stretch that occurs prior to the band/clamp material breaking. This is typically expressed as a percentage of original length and is a measure of the ductility of the metal.

Loop Tensile Strength - The max 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.

Powder Polyester - A coating available in colors applied to products and baked on for a durable finish. Polyester coatings are resistant to fading, stress cracking, abrasion, impact, salt spray and typical airborne pollutants.

PPA - (Performance Polymer Alloy) Non-toxic polymer coating for rolled band resistant to stress cracking, abrasion, impact, salt spray and typical airborne pollutants. When subject to fire, this coating is halogen free and produces low amounts of smoke.

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

Ultimate Strength - The maximum tensile or clamping force that a band clamp or tie will withstand prior to breaking.

Yield Strength - The point at which the material begins to stretch as a result of stress being applied. Loading beyond this point will result in deformation.

Abbreviations

cm- Centimeter

GCS - Galvanized Carbon Steel

ID - Inside Diameter

Kg - Kilogram

Lb - Pound

M - Meter

mm- Millimeter

NPSC - National Pipe Straight Coupling

NPSM - American Standard Straight

Pipe Thread for Mechanical Joints

NPT - National Pipe Thread

OD - Outside Diameter

SS - Stainless Steel

UIC - Uniform Industrial Code