Steel Specifications

Type 201 Stainless Steel
Type 201 is an austenitic chromium-nickel-manganese steel, with excellent tensile properties. If offers good resistance to oxidation and many mild to moderate corrosive agents. Type 201 is used where greatest strength is required. It is the BAND-IT material most commonly used.

1/4 hard 201 is used in Ultra-Lok Free-End Clamps for extra strength.

Type 304 Stainless Steel
Type 304 is an all purpose austenitic, low carbon 18-8 chromium-nickel stainless steel. It has good corrosion resistance and weldability. Type 304 is the most widely used stainless steel. It is found in chemical and food processing equipment, hospital and paper mill equipment, heat exchangers, etc.

Type 316 Stainless Steel
Type 316 is an austenitic chromium-nickel stainless and heat resisting steel with superior corrosion resistance. It is extensively used in marine atmospheres and environments where it is subjected to various chemicals, salts, acids, and high temperatures. Type 316 has superior creep strengths at elevated temperatures.

Type 317L Stainless Steel
Type 317L is similar in composition to Type 316, but higher in chromium molybdenum and lower in carbon. It has a higher resistance to chlorine and stress cracking as well as intergranular corrosion. Superior corrosion resistance under extreme conditions as found in certain marine environments and the pulp and paper industry.

Austenitic Stainless Steel
Austenitic stainless steels are chromium-nickel-iron (series 300) or chromium-nickel-manganese-iron (series 200) alloys. Austenitic stainless steels are non-magnetic in the annealed condition but, depending on the composition (mainly the nickel and manganese content), they become slightly magnetic when cold worked. Austenitic stainless steel cannot be hardened by heat treating but only by cold working. They are the most popular grades of stainless steel due to their excellent formability and corrosion resistance.

Carbon Steel
Carbon steel used for BAND-IT band and clamps is a medium carbon (.43 to .60%) cold rolled strip coated with electrogalvanized zinc.

For further technical information regarding the physical properties of BAND-IT products, contact the Denver office.

Abbreviations
NPT - American Standard Taper Thread
NPSC - National Pipe Straight Coupling
NPSM - American Standard Straight Pipe Thread for Mechanical Joints
M - Meter
mm - Millimeter
cm - Centimeter
Kg - Kilogram
SS - Stainless Steel
ID - Inside Diameter
OD - Outside Diameter
UIC - Uniform Industrial Code
GCS - Galvanized Carbon Steel

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.

4,473,925	4,510,977	4,570,340	6,014,792
4,607,867	4,646,591	4,877,334	6,260,704
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	

BAND-IT®, BAND-IT Jr.®, Junior®, Tri-Lokt®, Thriftool®, Tie-Lok®, Tie-LokTool®, Tie-Dex®, E-Z Banner®, Band-Lok®, Self-Lok® and Ultra-Lok® are registered trademarks owned by BAND-IT - IDEX, Inc., a unit of IDEX Corporation.

BAND-IT trademarks are registered in the U.S. Patent and Trademark Office and in many other countries.

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

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

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

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

DNV 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.