



SMART SOLUTIONS FOR BELT CONVEYOR OPERATIONS



Partners in Productivity

EVERYTHING YOU NEED TO

MAXIMIZE

YOUR PRODUCTIVITY



Directly related to the efficiency of your conveyor system is the performance of the splice. Flexco proudly offers the latest in both endless splicing technology and multiple styles of mechanical belt fastening systems. Regardless of your splicing needs, Flexco has a proven solution that's right for your system.

Increase Uptime

Endless Splicing

- Integrated splice does not wear conveyor or mark conveyed product
- High strength splice; compatible with small pulleys
- With Aero™ press technology, an endless splice is made in a fraction of the time of conventional endless presses — 10-minute cycle vs. 45 minutes

Mechanical Belt Splicing

- Quick, simple installation
- Portable installation equipment
- Hinged splices for easy separation and/or cleaning
- Inexpensive installation equipment

INCREASE UPTIME WITH ENDLESS SPLICING TECHNOLOGY



Novitool® Ply130™ Ply Separator

Features:

- Robust design permits precise separation
- Separate up to 5.1" (130 mm) in a single operation
- Separation depths of 40 - 130 mm
- Easy adjustments

Recommended for:

Thermoplastic belts up to .4"(10 mm)



Novitool® Pun M™ Finger Punch

Features:

- Portable finger punch system
- Capable of preparing belt ends for finger or finger-over-finger splices
- 12", 24", and 36" (300, 600, 900 mm) models available; all are capable of punching wider belts

Recommended for:

- Working on location, as well as in the belt shop
- All types of finger punch configurations



Novitool® Aero™ Press

Features:

- 7- to 12-minute complete cycle time
- Air cooled; no water required
- All-in-one press with integrated controls and air compressor
- Available in 12" - 60" (300 -1500 mm) widths
- Compatible with 230v1ph, 230v3ph, 400v3ph+N, and 460v3ph
- No external components required



Recommended for:

- Applications requiring high-strength splices
- Applications with small pulleys, including nosebars
- Food and pharmaceutical processing

INCREASE UPTIME WITH MECHANICAL SPLICING TECHNOLOGY



Alligator® Ready Set™ Staple Fastening System

Features:

- Easy-to-install one-piece fastener strips with pre-inserted staples
- Strong, impact-, and abrasion-resistant splice
- Available in a variety of materials, including those suitable for sanitary and magnetic applications

Installation Method:

These plate-style fasteners feature staples that penetrate the belt and cross-clinch in fastener pockets for a strong, yet low-profile splice. They can be installed using:

- *Alligator® RSC187 Installation Tool* – Portable tool for simple and efficient manual installation
- *Alligator® Staple Gold Class™ Installation Tool* – High-volume installation tool that is air operated for fast, easy, and virtually error-proof power installation

Recommended for:

- Package and baggage handling, cased goods, parts, food, and agricultural products
- Belts from 1/16" – 1/4" (1.5 – 6.4 mm) thick
- Belts with mechanical fastener ratings up to 200 P.I.W. (35 kN/m) and minimum pulley diameters from 2" – 4" (50 – 102 mm)



Clipper® Wire Hook Fastening System

Features:

- Low-profile, machine-applied hook fasteners
- Available in a variety of wire diameters, materials, leg and point lengths, strip lengths, and styles

Installation Method:

Clipper® wire hooks are machine applied for splice consistency, speed of installation, and operator ease. Various types of installation tools include:

- *Maintenance Lacers with Roller Lacing Technology™* – Lightweight, portable installation tools that embed splices as the lacer head gently and precisely rolls the hooks into the belt for a low-profile splice. Three models to select from with the ability to lace belts up to 60" (1500 mm) wide in a single operation.
- *Production Lacers* – Hydraulic or manually operated machines for high-volume production lacing
- *Specialty Lacers* – A variety of portable, manual units for specific on-site installation needs

Recommended for:

- Package and parts conveying, food processing, agriculture harvesting, general manufacturing, filter media, laundry, corrugated box board manufacturing
- Belts up to 25/64" (10 mm) thick
- Belts with mechanical fastener ratings up to 125 P.I.W. (21 kN/m) and minimum pulley diameters from 15/16" – 7" (24 – 175 mm)



Alligator® Plastic Rivet Fastening System

Features:

- One-piece fastener with beveled edges that create a smooth, low-profile splice
- Suitable for pulleys as small as 1-1/2" (38 mm) and belts up to 1/8" (3.2 mm) thick
- UV-resistant black, FDA-accepted white and blue plastic

Installation Method:

Spin-Set™ – An automated tool that welds the rivet heads of the fastener through heat and friction.

Recommended for:

- Pharmaceutical and food processing, metal stamping, and operations with metal detectors or X-ray equipment



Alligator® Belt Lacing System

Features:

- Hammer applied for low-volume customers
- Low-profile splice with uniform tension across belt width

Installation Method:

This splice is manually installed with just a hammer, making it ideal for customers who don't want to invest in installation tooling.

Recommended for:

- Low-volume customers in package and parts conveying, food and sanitary operations, agriculture harvesting, recycling, wood products industries
- Belts up to 1/2" (12.5 mm) thick
- Belts with mechanical fastener ratings up to 200 P.I.W. (35 kN/m) and minimum pulley diameters from 1" – 14" (25 – 356 mm)





Alligator® Spiral Lace System

Features:

- Non-metallic, low-profile fastener that ensures a non-marking splice
- Flexible enough to be used on conveyors with pulleys and nose bars as small as 1/2" (13 mm)
- Available in FDA-approved and high-temperature-resistant materials

Installation Method:

These fasteners should be professionally installed using vulcanizing techniques and stocked as ready-to-use replacements.

Recommended for:

- Pharmaceutical and food processing, metal stamping, and operations with metal detectors or X-ray equipment
- Belts 1/32" – 1/4" (0.8 – 6.4 mm) thick
- Belts with mechanical fastener ratings up to 50 P.I.W. (8.7 kN/m) and minimum pulley diameters from 1/2" – 5/8" (12.7 – 15.3 mm)



Alligator® Rivet Fastening System

Features:

- Robust design delivers a long-lasting splice in round hay baling applications
- Can be installed quickly and easily without removing the belt from the baler

Installation Method:

The fasteners are secured to the belt by driving a pilot nail rivet assembly through the plate and belt. The nail passes between carcass fibers to maintain belt strength and, through the tool, provides for proper rivet curl. Tools include:

- *Alligator® Rivet Tool (ART)* – Small, portable tool base allows farmers to bring tool directly to the baler to replace splices.
- *Multiple Alligator® Rivet Tool (MART)* – The tool's guide block allows multiple rivets to be inserted that can then be applied with a hammer and hand punch. For quicker and easier installation, apply with an air hammer and pneumatic punch.

Recommended for:

- Round hay baler belts
- Belts 1/8" – 7/32" (3.2 – 5.6 mm) thick
- Belts with mechanical fastener ratings up to 300 P.I.W. (52 kN/m) and minimum pulley diameters of 3½" (88 mm)



ENHANCE SAFETY

Workplace safety is our top priority. That's why we manufacture a family of high-quality belt maintenance tools with built-in safety features to help protect your crew.



900 Series* and 845LD Belt Cutters

Features:

- Two portable models designed for efficient, on-site use
- Safely and accurately cut belts up to 1½" (38 mm) thick
- Belt is clamped and blade is fully enclosed to ensure precise, straight cuts

Recommended for:

- Accurate, fast, safe cutting for all belting, including thick and/or hard-carcass belts

*Patent pending



14" Belt Cutter

Features:

- Portable cutter with a built-in belt-squaring arm
- Makes straight cut on belts up to 3/8" (10 mm) thick and 14" (350 mm) wide
- Top beam can be opened to insert belt and save time

Recommended for:

- Professional belt shops and users with narrow belts



Smart Clamps

Features:

- High-strength clamping system for safe belt splice maintenance
- Wedge grip design with large impact plate for quick installation

Recommended for:

- On-site belt maintenance



Belt Maintenance Hand Tools

Features:

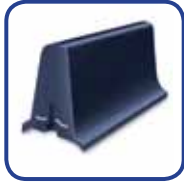
These durable, safety-focused hand tools speed fastener installation, as well as routine belt maintenance. They include:

- *Rough-Top Belt Skiver and RB-1 Belt Grinder* – For quick and clean removal of rough top covers
- *Alligator® Hinge Pin Cutter* – For creating clean cuts of bulk hinge pins
- *Belt Nippers* – For notching belt ends to avoid splice hang-ups

MAXIMIZE CARRYING CAPACITY

Designed to improve incline conveying and material containment, our easy-to-install Tatch-A-Cleat® belt cleats, pegs, lugs, and V-guides ensure that your entire load reaches its destination.

Mechanically Attached Cleats



Model HD Cleat

Features:

- Flexible, high-tensile-strength SBR rubber that can withstand abrasive, high-impact applications
- Smooth exterior and special sealing edges that speed clean-up, while locking out dirt and moisture
- Available in 1" (25 mm) or 2" (50 mm) heights

Recommended for:

- Agriculture, trash-burning, scrap, construction, bulk material handling
- Compatible with troughing conveyors and belts where horseshoe, chevron, or crescent patterns are needed



Tatch-A-Lug® and Tatch-A-Peg™

Features:

- Effective alternative for applications where full-belt-width cleat lengths are not required
- Can be installed in any pattern and positioned to let the belt pass over split or rubber-disc return idlers
- Made from non-marking, molded isoprene that is FDA approved
- Available in 1½" (38 mm), 2" (50 mm), and 3" (75 mm) heights with a choice of plated or stainless steel fasteners

Recommended for:

- Cased, boxed, or bagged goods
- Applications in which liquids need to flow through cleated area



Econo-Cleat®

Features:

- Cost-efficient, long-lasting design
- The fastener secures through both the belt and cleat to provide ultimate strength in abusive applications
- Concave bottom seals to belt
- Available in high-durability EPDM rubber for abrasive applications and PVC for less demanding applications
- Available in 1¼" – 6" (32 – 150 mm) heights

Recommended for:

- Agriculture harvesting and general material handling



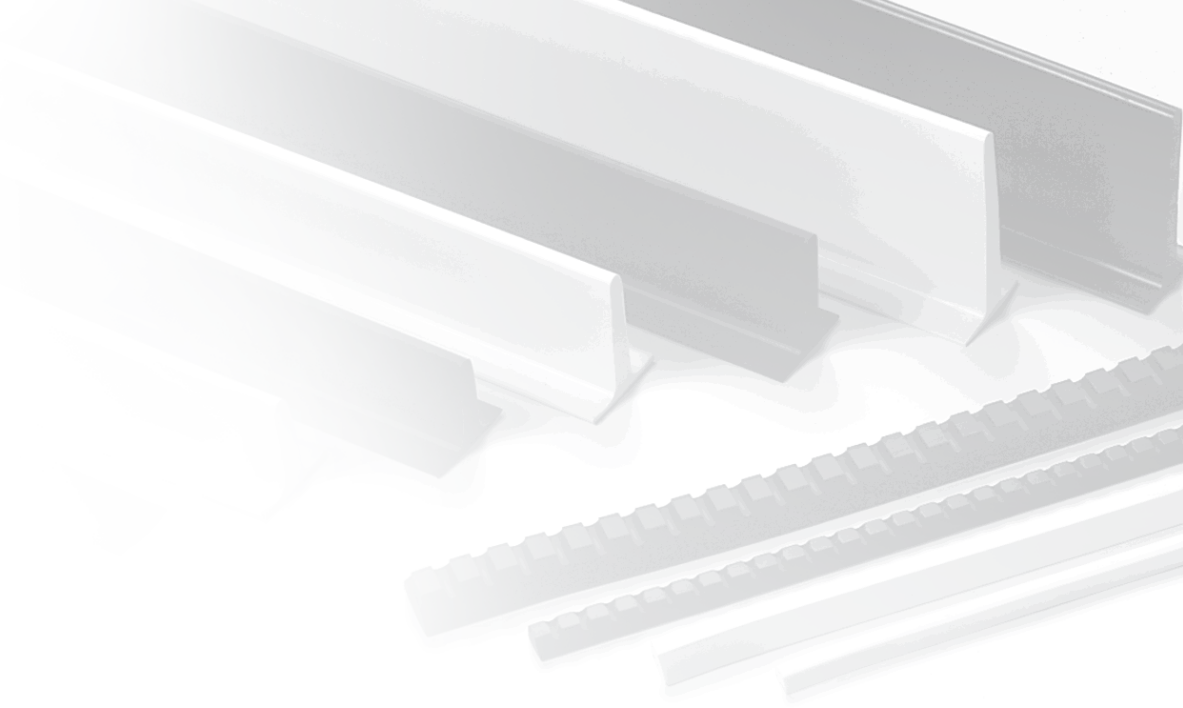
Tatch-A-Guide®

Features:

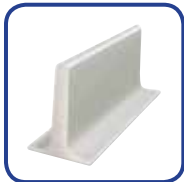
- Keeps belt centered over split/grooved pulleys to address mistracking issues
- Intermittent spacing and notched design for extra flexibility
- Quick mechanical installation on under side of belt
- Made from high-tensile-strength neoprene rubber; available in A, B, and C sizes

Recommended for:

- Applications with grooved pulleys



Bondable Cleats



T Cleats

Features:

- Bonded perpendicular to belt to improve incline conveying
- Full-radius top prevents marking/bruising of material, while tapered bottom edges provide smooth transition between belt and cleat
- Available in rubber and PVC, as well as a variety of heights

Recommended for:

- Minimum pulley diameters of 2½" – 6" (63 – 150 mm)



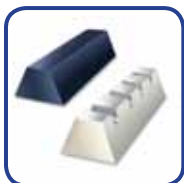
Scoop Cleats

Features:

- Sit at 60-degree angle to belt to gently cradle material on an aggressive incline
- Prevent material rollback
- Made from PVC; available in 2" (50 mm) and 3" (75 mm) heights

Recommended for:

- Minimum pulley diameters of 6" – 8" (150 – 200 mm)



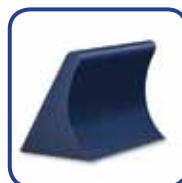
V-Guides

Features:

- Keep belt centered over split/grooved pulleys to address mistracking issues
- Bonded to underside of belt
- Available in smooth rubber and PVC, as well as notched PVC; also in a variety of sizes

Recommended for:

- Minimum pulley diameters of 2 – 8" (50 – 200 mm)



Flanges

Features:

- Provide enhanced material containment in flat applications
- Designed for use along outer edges of the belt
- Made from neoprene rubber to provide extra flex and ensure easy passage over pulleys

Recommended for:

- Minimum pulley diameters of 6" – 8" (150 – 200 mm)

MAXIMIZE YOUR OPERATION'S PERFORMANCE WITH FLEXCO

Visit our website or contact your local distributor to learn more.

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