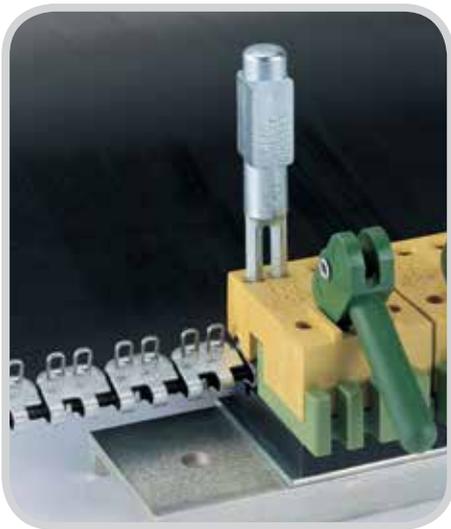




## ALLIGATOR® STAPLE Fastening System

### A Rugged and Durable Splice that is Easy to Install

The Alligator® Ready Set™ Staple Fastener System is ideal for a wide variety of light- and medium-duty fastener applications. The system features one-piece fastener strips with pre-inserted staples that speed installation and keep downtime to a minimum.



### *Quick, Easy Installation*

Designed for belts from 1.5 mm (1/16") to 6.4 mm (1/4"), Alligator Ready Set installation is easy with a portable, lightweight application tool that can be carried to the job for on-site installation. Simply fit the fastener strip onto the belt end and secure with the special installation tool, then drive and finish set the staples for a strong, long-lasting splice.

### *Market Applications*

- Package and Parts Conveying
- Food and Sanitary Contact
- Agricultural Harvesting and Handling
- Recycling and Scrap Handling
- Wood Products

# ALLIGATOR® STAPLE Fastening System

## Fastener Overview

### How the Alligator® Ready Set™ Fastening System Works



Designed for light and medium-duty synthetic carcass belting, the Alligator® Staple fastener utilizes high tensile, stainless steel staple attachment, in conjunction with an extended plate design. This design separates the point of fastener penetration from the line of belt flexing to eliminate splice fatigue at the point of belt attachment.

Staple fasteners are furnished in strips with a bridge between each fastener plate. This strip design minimizes the chance of individual parts dislodging into the conveyed product. The one-piece design provides a stronger splice, greater resistance to impact damage, and a smoother, unrippled joint that simplifies hinge pin insertion.

Staples are hammer driven through the fastener and belt, working between the carcass fibers without severing them. The staples are then clinched cross-wise to the belt, so that belt tension does not pull against the staples to unclinch them.

### Ready Set™ Fasteners

Available in Steel, 316 Stainless Steel, and 430 Stainless Steel. Ready Set Staple Fasteners feature a one-piece fastener strip with pre-inserted staples, reducing installation time by eliminating the need to handle and load individual staples.

### Conventional Staple Fasteners

Available in abrasion resistant MegAlloy® providing several times the service life of steel. Staples are separate from the fastener plates. Green guide blocks (ST4-5) must be installed on the installation tool and users can insert staples using the C150 staple dispenser.

### Fastener Materials

**Steel:** Standard fastener material is suitable for most applications. Plated for rust and corrosion resistance.

**Stainless Steel:** Type 316 provides extra resistance to abrasion, magnetic attraction, and corrosion from acids and chemicals. Also excellent for high-sanitary requirements.

**MegAlloy®:** Superior resistance to wear and abrasion, providing several times the service life of steel. Not recommended where subject to impact or corrosion.

**Magnetic Stainless Type 430:** For use with magnetic separators and provides resistance to wear and abrasion. Plate, staple, and hinge pins are all constructed from magnetic stainless steel.

Fastener Material Characteristics						
Metal	Magnetic Resistant	Abrasion Resistant	Chemical Resistant	Rust Resistant	Available Sizes	Sparking/ Non-Sparking
Galvanized Steel	No	Good	Poor	Fair	62,125,187	Sparking
316 Stainless Steel	Yes	Good	Good to Excellent	Excellent	62,125,187	Sparking
430 Stainless Steel	No	Good	Fair to Good	Good	62,125,187	Sparking
MegAlloy®	No	Excellent	Poor	Poor	125,187	Sparking

# ALLIGATOR® STAPLE

## Fastening System

## Fastener Selection Guidelines

### Specify the Right Alligator® Staple Fastener

- Determine belt tension.**  
 Most conveyor belting has a mechanical fastener rating. Exercise care to ensure belting or fasteners are operated within the recommended range of their capabilities.
- Measure belt thickness.**  
 Choose a fastener size which corresponds to belt thickness in the skived area. Measure after any impression top cover has been removed.
- Measure the diameter of the smallest pulley in your system.**  
 Minimum pulley diameters for individual fasteners are noted in the specification charts for individual fasteners.
- Choose appropriate fastener size.**  
 Use specifications for individual fastener sizes to guide your selection.
- Select material.**  
 Refer to the material selection chart on page 2 for the metal characteristics which best suit your application. Not all sizes and styles are available in all metals.

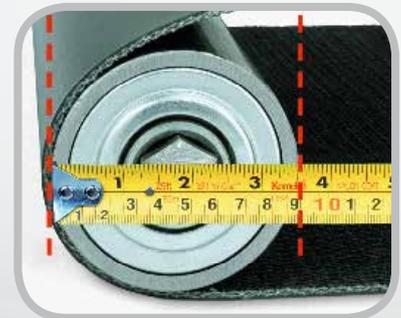
Alligator® Ready Set™ Staple Fastener Selection Guide						
Fastener Size	For Belts With Mechanical Fastener Ratings Up To:		Belt Thickness Range		Recommended Minimum Pulley Diameter	
	kN/m	P.I.W.	mm	in.	mm	in.
62	17	100	1.5-3.2	1/16-1/8	50	2
125	28	160	3.2-4.8	1/8-3/16	75	3
187	35	200	4.8-6.4	3/16-1/4	102	4



Skive impression cover.



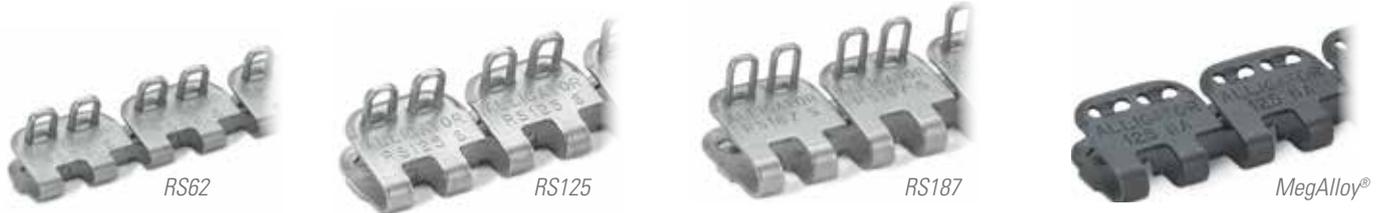
Measure belt thickness.



Measure smallest pulley diameter.

# ALLIGATOR® STAPLE Fastening System

## Fasteners



Belt Width		Steel With Nylon Covered Steel Cable Pins (NC)	Steel With Spring Wire Pins (SP)	Stainless (300 Series) With Stainless Spring Wire Pins (SS)	Stainless (300 Series) With Nylon Covered Stainless Cable Pins (NCS)
mm	in.				
<b>RS62</b>					
300	12	RS62J12/300NC	RS62J12/300SP	RS62SJ12/300SS	RS62SJ12/300NCS
450	18	RS62J18/450NC	RS62J18/450SP	RS62SJ18/450SS	RS62SJ18/450NCS
600	24	RS62J24/600NC	RS62J24/600SP	RS62SJ24/600SS	RS62SJ24/600NCS
750	30	RS62J30/750NC	RS62J30/750SP	RS62SJ30/750SS	RS62SJ30/750NCS
900	36	RS62J36/900NC	RS62J36/900SP	RS62SJ36/900SS	RS62SJ36/900NCS
1050	42	RS62J42NC	RS62J42SP	RS62SJ42SS	
1200	48	RS62J48NC	RS62J48SP	RS62SJ48SS	RS62SJ48NCS
1500	60	RS62J60NC	RS62J60SP	RS62SJ60SS	RS62SJ60NCS
<b>RS125</b>					
300	12	RS125J12/300NC		RS125SJ12/300SS	RS125SJ12/300NCS
450	18	RS125J18/450NC	RS125J18/450SP	RS125SJ18/450SS	RS125SJ18/450NCS
600	24	RS125J24/600NC	RS125J24/600SP	RS125SJ24/600SS	RS125SJ24/600NCS
750	30	RS125J30/750NC	RS125J30/750SP	RS125SJ30/750SS	RS125SJ30/750NCS
900	36	RS125J36/900NC	RS125J36/900SP	RS125SJ36/900SS	RS125SJ36/900NCS
1050	42	RS125J42NC	RS125J42SP	RS125SJ42SS	RS125SJ42NCS
1200	48	RS125J48NC	RS125J48SP	RS125SJ48SS	RS125SJ48NCS
1500	60	RS125J60NC	RS125J60SP	RS125SJ60SS	RS125SJ60NCS
<b>RS187</b>					
300	12	RS187J12/300NC		RS187SJ12/300SS	RS187SJ12/300NCS
450	18	RS187J18/450NC	RS187J18/450SP	RS187SJ18/450SS	RS187SJ18/450NCS
600	24	RS187J24/600NC	RS187J24/600SP	RS187SJ24/600SS	RS187SJ24/600NCS
750	30	RS187J30/750NC	RS187J30/750SP	RS187SJ30/750SS	RS187SJ30/750NCS
900	36	RS187J36/900NC	RS187J36/900SP	RS187SJ36/900SS	RS187SJ36/900NCS
1050	42	RS187J42NC	RS187J42SP	RS187SJ42SS	RS187SJ42NCS
1200	48	RS187J48NC	RS187J48SP	RS187SJ48SS	RS187SJ48NCS
1500	60	RS187J60NC	RS187J60SP	RS187SJ60SS	RS187SJ60NCS

One carton contains 4 fastener sets, 4 hinge pins, and required amount of retaining washers.

### Magnetic Stainless (Type 430)

Includes four fastener sets, four hinge pins, and required retaining washers. Plates, staples, and hinge pins are all magnetic stainless steel.

Magnetic Stainless (Type 430)
RS62MJ24/600MS
RS125MJ24/600MS

### MegAlloy® Fasteners

Includes sixteen 150 mm (6") fastener strips with loose staples. Hinge pins not included.

MegAlloy® Fasteners
125MA
187MA

*Note: When ordering MegAlloy® fasteners or bulk ordering lacing with special staple lengths, you must use a green guide block (ST4-5, #50240) with your installation tool. When using loose staples, you can order a staple dispenser to speed installation of this product.*

# ALLIGATOR® STAPLE

## Fastening System

## Hinge Pins

Match our selection of hinge pins to the special needs of your application.

### NC - Nylon Covered Steel Cable

For use with steel fasteners, NC hinge pins are recommended for troughing or flat belt conveyors.

### NCS - Nylon Covered Stainless Steel Cable

For extra abrasion and chemical resistance.

### SS - Stainless Steel Spring Wire

For use with stainless steel fasteners, flat belts only.

### SP - Steel Spring Wire

For use with steel fasteners in abrasive or gritty material applications, flat belt only.

Hinge Pins			
Belt Width		SP Steel Spring Wire Pins	SS 300 Series Stainless Spring Wire Pins
mm	in.		
62			
300	12	SP62-12/300	SS62-12/300
450	18	SP62-18/450	SS62-18/450
600	24	SP62-24/600	SS62-24/600
750	30	SP62-30/750	SS62-30/750
900	36	SP62-36/900	SS62-36/900
1050	42	SP62-42	SS62-42
1200	48	SP62-48	SS62-48
1500	60	SP62-60	SS62-60
125			
450	18	SP1-18/450	SS1-18/450
600	24	SP1-24/600	SS1-24/600
750	30	SP1-30/750	SS1-30/750
900	36	SP1-36/900	SS1-36/900
1050	42	SP1-42	SS1-42
1200	48	SP1-48	SS1-48
1500	60	SP1-60	SS1-60
187			
450	18	SP2-18/450	SS2-18/450
600	24	SP2-24/600	SS2-24/600
750	30	SP2-30/750	SS2-30/750
900	36	SP2-36/900	SS2-36/900
1050	42	SP2-42	SS2-42
1200	48	SP2-48	SS2-48
1500	60	SP2-60	SS2-60

Packages of 10 pins.



Hinge Pin Coils			
Coil Length		NC Nylon Covered Steel Cable	NCS Nylon Covered Stainless Cable
M	Foot		
62			
3	10	NC62-X	NCS62-X
30	100	NC62-C	NCS62-C
125			
3	10	NC1-X	NCS1-X
30	100	NC1-C	NCS1-C
187			
3	10	NC187-X	NCS187-X
30	100	NC187-C	NCS187-C

Pin material is offered in 3 M (10') coils ("X") or 30 M (100') reels ("C").

## Hinge Pin Retaining Washers

Avoid hinge-pin migration with easy-to-install retaining washers.

Retaining Washers	
For Fastener Number	Ordering Number
62	62-RET-50
125	125-RET-50
187	187-RET-50

Box of 50 washers.



## Alligator® Hinge Pin Cutter

Cuts bulk hinge pin cable quickly and easily. Provides a clean cut with no frayed ends.

Alligator® Hinge Pin Cutter
APC-1



## Hinge Pin Bender

Bends hinge pin end to prevent migration.

Hinge Pin Bender
PB1

For use with steel spring wire pin.



# ALLIGATOR® STAPLE Fastening System

## Installation Tools

### RSC187 Installation Tool

Securely holds the fasteners on the belt, in proper alignment, while staples are driven. Installs two staples simultaneously for fast, simple splicing and the tool can be moved rapidly along the belt as staples are installed. Also provides a solid anvil surface for initial clinching of the staples.

The RSC187 tools come complete with guide blocks and drivers and are available in a variety of widths. Wider tools are available for production lacing and fabrication shop requirements.

<b>RSC187 Installation Tool</b>		
<b>Tool Size</b>		<b>Ordering Number</b>
<b>mm</b>	<b>in.</b>	
50	2	RSC187
100	4	RSC187-4
150	6	RSC187-6
300	12	RSC187-12
600	24	RSC187-24



### Alligator® Quad Staple Driver

The Alligator® Quad Staple Driver allows for the installation of four staples at one time. Using a .45 kg (1 lb.) hammer, this durable, heat-treated steel quad driver allows installers to cut their installation time by 50%.

<b>Alligator® Quad Staple Driver</b>
<b>Ordering Number</b>
ST6-9



### Alligator® Staple Tool Kit

Everything you need to install, maintain, and repair Alligator Ready Set Staple splices. Kit includes the RSC187 tool described above, as well as the staple final set plate, hand skiver, belt marker, belt nippers, and .45 kg (1 lb.) hammer. Packaged in a durable box with plenty of room for other items.

<b>Staple Kits</b>	
<b>Description</b>	<b>Ordering Number</b>
152 mm (6") Installation Kit	RSTK4-6
305 mm (12") Installation Kit	RSTK4-12



# ALLIGATOR® STAPLE Fastening System

## Installation Tools

### Alligator® Staple Gold Class™ Plus

The Gold Class™ power driver, in conjunction with the Gold Class Plus tool allows users to install Alligator® Ready Set™ staple plates with quick and effortless trigger pulls. The design of the Gold Class Plus tool allows users to switch between plate sizes in mere seconds.

The Gold Class Plus tool combines both the initial and final set function in a single base. This process is not only fast and easy, but it is also virtually error proof. The patented drive punch has been designed to

seat the front edge of the fastener plate down for proper compression, while also keeping the fastener loops protected. This ensures smooth hinge pin insertion.

By eliminating the need to use a hammer to install the fasteners, the Alligator Staple Gold Class system reduces the risk of repetitive motion injuries. It also reduces operator fatigue associated with hammer installing numerous splices throughout the day.

Alligator® Staple Gold Class™ Plus		
Description	Ordering Number	Item Code
Alligator® Staple Gold Class™ Plus Installation Tool		
310 mm (24") Alligator Gold Class Plus Installation Tool	RS-GOLD-DA	55590
Replacement Parts		
Guide Block	ST7-5	55554
Anvil Replacement Kit	ST8-ANV	55591
Cam Lever	ST8-CAM	55592
Alligator® Staple Gold Class™ Power Driver		
Power Driver	RS-GOLD-DRIVER	55541



## 3 Simple Steps:



### Initial Set:

Fasteners and belt are inserted into the base where the pre-staked staples are driven through the belt with simple trigger pulls.



### Simple Adjustment:

After the fasteners are initially set, simply flip the handle.



### Final Set:

With additional trigger pulls, the staples receive their final set and the compression fit is obtained.

**FLEXCO**

# ALLIGATOR® STAPLE Fastening System

## Belt Preparation Tools

### 900 Series\* Belt Cutter

The 900 Series Belt Cutter incorporates numerous features for easy, smooth cutting of belts with extreme accuracy.

- Durable blade design that produces highly accurate cuts while being fully enclosed for safety
- Quick belt clamp feature
- Cuts belts up to 38 mm (1-1/2")

900 Series* Belt Cutter		
Belt Width		Ordering Number
mm	in.	
600	24	900924
900	36	900936
1200	48	900948
1500	60	900960
1800	72	900972
2130	84	900984

\* Patent pending

### 845LD Belt Cutter

A sturdy, safe, simple, and portable tool specially designed for cutting wide belts.

- Enclosed blade is handle-driven from either end
- Cuts belts up to 12 mm (1/2") thick

845LD Series Belt Cutter		
Belt Width		Ordering Number
mm	in.	
900	36	845836LD
1200	48	845848LD
1500	60	845860LD
1800	72	845872LD

### Rough Top Belt Skiver

Simplifies removal of belt impression covers prior to fastener size selection and installation.

Rough Top Belt Skiver	
Ordering Number	
RTBS	

### Belt Grinder

Carbide cuts belt impression cover instead of burning it for quick and clean skiving. Attaches to a 10 mm (3/8") electric or pneumatic drill (2,500 rpm).

Belt Grinder	
Ordering Number	
RB-1	

### Belt Nippers

Simple, hand-held tool used to notch/chamfer belt edges and to remove individual fastener plates from belt.

Belt Nippers	
Ordering Number	
BN-1	



900 Series\* Belt Cutter



845LD Belt Cutter



Rough Top Belt Skiver



Belt Grinder



Belt Nippers

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England: 44-1274-600-942 • Germany: 49-7428-9406-0 • India: 91-44-6551-7771  
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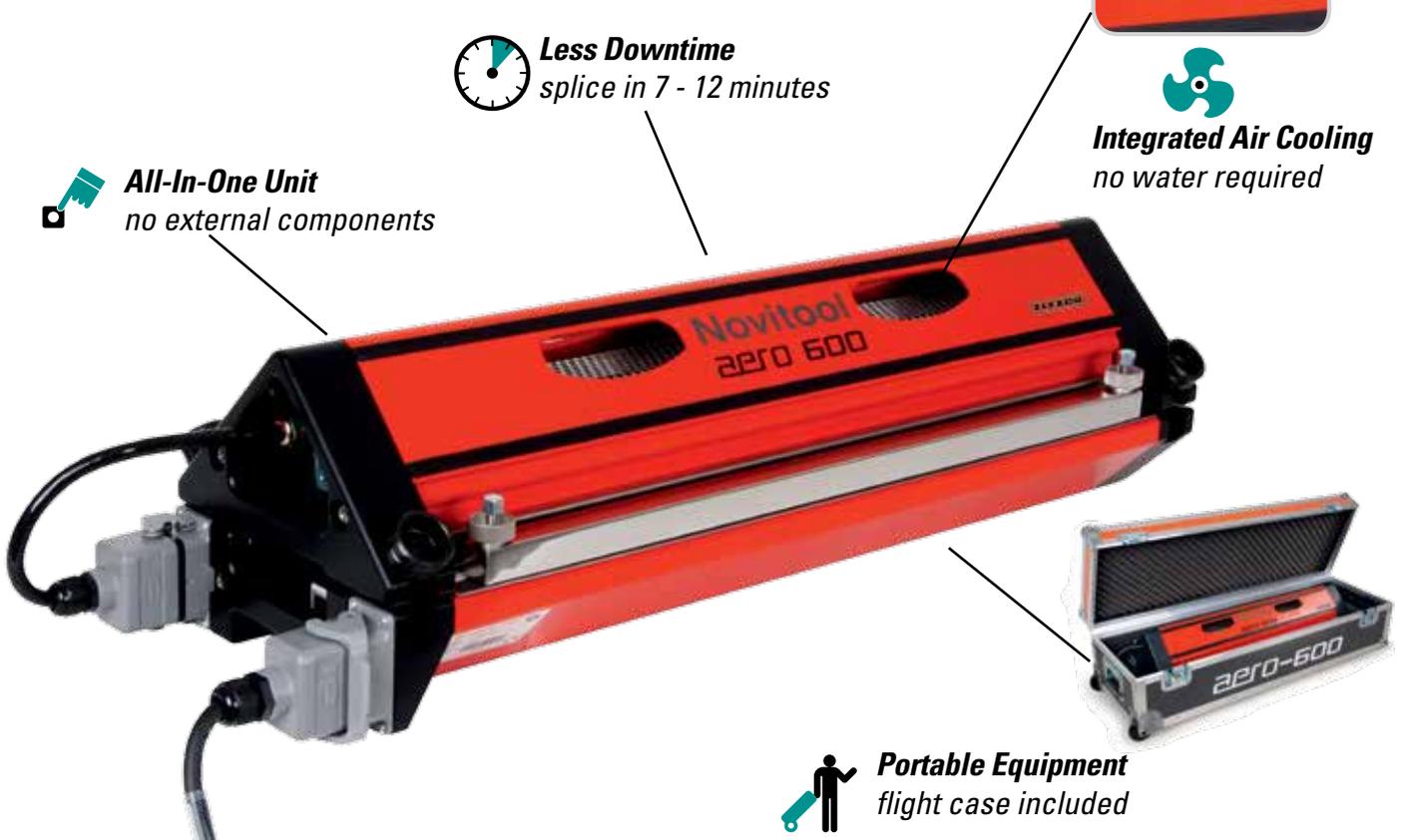
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## The All In One Splice Press

The Aero™ Press is revolutionizing the splicing industry due to its ease of use and quick cycle time. This air cooled press has all components integrated into the tool, allowing a user to simply plug it into electricity and it is ready for use.



### Efficient & Fast Splicing - All In One.

Once taken from the flight case the unit is fully operational and ready to splice. There are no external systems such as water tanks and pumps needed. All functions and subsystems are integrated into the press. The press has an integrated air-cooling system which ensures that the belt is quickly cooled down. This increases the splice quality and the operating speed of the press. For most belt materials, the entire operation can be completed within 7 to 12 minutes.

**NEW!**

### Aero™ Stand for Workshop Efficiency!

For easier belt  
handling in the  
workshop, yet  
the press is  
easily removed  
from the stand  
for job site use.



# NOVITOOL® AERO™

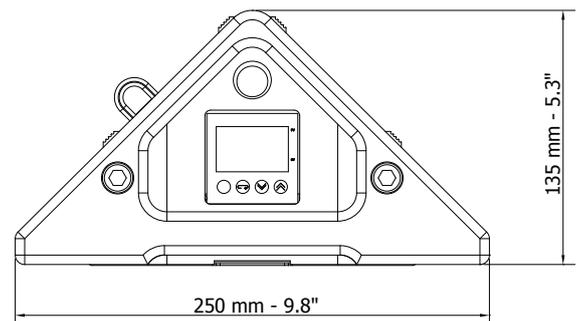
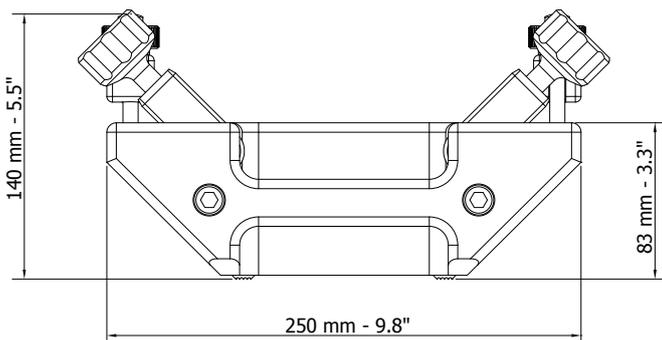
## Portable Splice Press

The Aero™ splice press is available in five different models ranging in width from 300 mm (24") to 1500 mm (60"). The unit operates on most common voltages. The Aero splice press can be used for splicing thermoplastic belt materials up to a maximum 1500 mm (60") depending on the model.



### Aero™ Tool Specifications

Specifications	Aero 300	Aero 600	Aero 900	Aero 1200	Aero 1500
Effective length	305 mm / 12 "	610 mm / 24 "	914 mm / 36 "	1219 mm / 48 "	1524 mm / 60 "
Effective width	130 mm / 5.1 "	130 mm / 5.1 "	130 mm / 5.1 "	130 mm / 5.1 "	130 mm / 5.1 "
Weight lower part	14 kg / 32 lbs	20 kg / 45 lbs	26 kg / 57 lbs	32 kg / 70 lbs	37 kg / 82 lbs
Weight upper part	9 kg / 19 lbs	13 kg / 28 lbs	17 kg / 37 lbs	21 kg / 46 lbs	25 kg / 55 lbs
Total weight	23 kg / 51 lbs	33 kg / 73 lbs	43 kg / 94 lbs	53 kg / 116 lbs	62 kg / 137 lbs
Length	505 mm / 19.9 "	805 mm / 31.7 "	1105 mm / 43.5 "	1405 mm / 55.3 "	1705 mm / 67.1 "
Overall Height	220 mm / 8.5 "	220 mm / 8.5 "	220 mm / 8.5 "	220 mm / 8.5 "	220 mm / 8.5 "
Max. pressure	2 Bar / 29 PSI	2 Bar / 29 PSI	2 Bar / 29 PSI	2 Bar / 29 PSI	2 Bar / 29 PSI
Max. temperature	200 °C / 390 °F	200 °C / 390 °F	200 °C / 390 °F	200 °C / 390 °F	200 °C / 390 °F
Dimensions for transport (L x W x H)	1000 x 430 x 380 mm (30 x 17 x 15 ")	1300 x 430 x 380 mm (51 x 17 x 15 ")	1600 x 430 x 480 mm (63 x 17 x 15 ")	1850 x 430 x 480 mm (73 x 17 x 19 ")	2150 x 430 x 480 mm (84 x 17 x 15 ")
Weight for transport	45 kg / 98 lbs	60 kg / 132 lbs	76 kg / 167 lbs	91 kg / 201 lbs	107 kg / 235 lbs
<b>Power requirements</b>					
1 phase 230 Vac	8.8 A	14 A	16 A	U.S. only 30 A	U.S. only 30 A
3 phase 230 Vac	4.4 A	7 A	8 A	12 A	15 A
3 phase 400 Vac+0	4.4 A	7 A	8 A	12 A	15 A
3 phase 460 Vac	4.4 A	7 A	8 A	12 A	15 A



## NOVITOO<sup>®</sup> AERO<sup>™</sup> Portable Splice Press

### Easy to operate and excellent splice repeatability

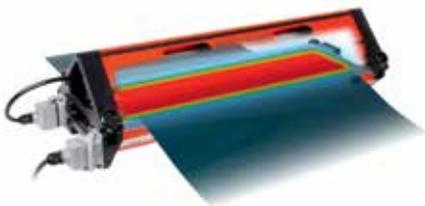
The Aero<sup>™</sup> has two controllers. One for adjustment of temperature and time and one for setting the pressure generated by the built-in compressor. The material/splice specific pressure and temperature values are easily set and the splicing operation itself is fully automatic. The temperature controller has a scrolling display which navigates the user through the settings in clear text messages.

With two quick-clamping bars it is easy to position and fasten the material in the press. The clamping bars ensure that the material remains in position until the upper beam is clamped in place.

### Temperature control and cooling

With the Aero press, the user can achieve different splice temperatures for the upper and lower platen or use a single temperature for both platens. This function makes it easy to obtain improved splice results for belts with an asymmetric construction, or those with very thin thermoplastic coatings.

Unique programming features enable a more precise setting of the dwell time (down to seconds), an automatic dwell time countdown, and a preheating cycle. A controlled, stepped/preheating will provide better splice results with thicker or less heat conducting belt materials.



The splice platens have integrated cool zones on both sides of the heating zone. This will result in ultra smooth splices even for the most difficult belt materials.

No inlays of glass fibre or

metal are used which may cause pressure differences. This design results in:

- No sinking of the hot splice plates into the molten belt material
- No bumps next to the splice
- Less shrinkage of the fingers
- Diminished shiny transition lines

With conventional systems, these malformations are often difficult to control, requiring process adjustments, trial runs, and a lot of craftsmanship. However, the Aero can be operated with minimal training, generating repeatable, high quality splices time after time.

### Easy to operate



*Lightweight, contemporary design*



*Easy material alignment and clamping*



*Setting temperature and pressure controller*

## Easier Handling and Splicing with the Aero™ Stand



### Easy Installation

The stand has been designed to allow for the press to be quickly and easily removed for a field installation.



### Integrated Counterweights

Counterweights are integrated into the Aero stand to offset the weight of the upper press beams, so that raising and lowering of the beam occurs with minimal effort.



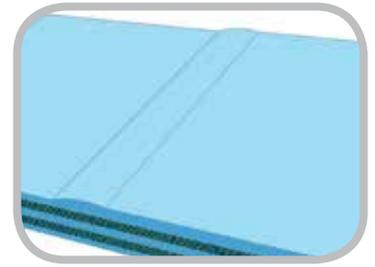
### Optional Umbilical Cable

An alternative press stand is available which includes a long umbilical cable. This cable provides electrical continuity between the upper and lower beams between splices, increasing production efficiency.

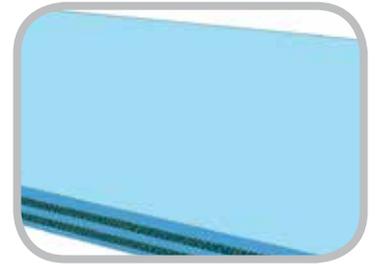
## NOVITool® AERO™ Portable Splice Press

### Quality, Smooth Splice

The wide platens with integrated cool zones prevent the top beam from sinking into the molten belt material under pressure. This results in an extremely flat splice which is desired by users.



Traditional splice



Smooth splice with the Aero™

Aero™ Ordering Information	
Ordering Number	Item Code
AERO-300	08000
AERO-600	08001
AERO-900	08002
AERO-1200	08003
AERO-1500	08004
AERO™ STAND	
Ordering Number	Item Code
AERO-STAND-CW	08080
AERO-STAND-CW-UMBICABLE with Umbilical Cable Extension	08114

Note: Power cords are not included and must be ordered separately. Contact Customer Service for ordering information.

The unit is well protected and can easily be transported to any location in the field with included flight case.



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## Easy Splitting of Conveyor Belts

The Ply 130™ is used to separate between the plies of a conveyor belt. This cutting action is often required in preparation before splicing a belt with a splice press. A great advantage of this ply separator is that it can split as deep as 130 mm (5") in one action. This is especially helpful when splitting very thin belts or belts where the material is difficult to cut, like with thin polyurethane belts. The Ply 130 is an excellent tool for preparing stepped splices and for recessing mechanical fasteners.



### Capable of Splitting a Variety of Thermoplastic Belts

The robust construction of the Ply 130™ allows for precise splitting of thermoplastic belts - both thin and thick. As little as 0.5 mm (0.02") can be separated - allowing for users to create film from the belt used in the splicing process.



Optional cart allows the Ply 130 to be mobile within the workshop.



#### Easy Operation

one handle determines the separation position



#### Easy Depth Adjustment

adjustable guide with ruler



#### Excellent Repeatability

achieve perfect results time after time



#### Robust Machinery

durable components and construction

## Mobility for the Workshop:

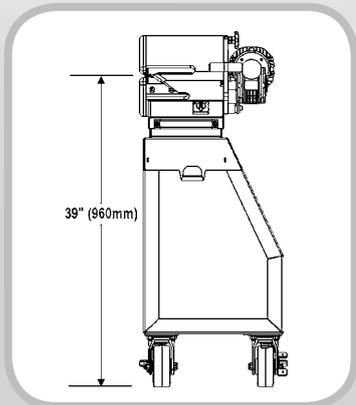
The Ply Cart provides a convenient method of using the Ply 130 Ply Separator throughout the light-duty conveyor belting workshop. It is no longer necessary to custom-build carts or purchase utility carts, which are not optimal for ply separator transport. The Ply Cart is designed with features important to the conveyor belt fabricator. Previously-purchased Ply 130 units are easily mounted onto the cart using a retrofit tray, included at no additional charge (for a limited time).



Heavy Duty Rubber Casters



Convenient Storage Drawer  
\*some units have bolt-in storage tray



## NOVITOOL® PLY 130™ Ply Separator

### Easy operation - multiple separations

The Ply 130™ can be used to prepare finger over finger splices and stepped splices. With only one handle you determine the belt thickness separation position. It is possible to separate between every layer of the belt and in this way, generate two or three separations within one belt.



Solid fixture of blade



Foot pedal for two-handed operation



The correct separation depth in just one pass

Ply 130™ Tool Specifications		
Specifications	PLY130-WB	
	Minimum	Maximum
Splitting Depth	40 mm (1.5")	130 mm (5.1")
Belt thickness above cut	0.5 mm (.02")	8 mm (.3")
Belt thickness below cut	0.5 mm (.02")	5 mm (.2")
Maximum belt thickness	N/A	10 mm (.4")
Tool dimensions	550 x 420 x 420 mm (22" x 17" x 17")	
Tool weight	(55 kg) 121 lbs	

Ply 130™ Cart Specifications	
Specifications	PLY 130 Cart
Cart dimensions	785 x 430 x 785 mm (31" x 17" x 31")
Cart weight	38 kg (84 lbs)

### Ply 130™ Ordering Information

Ordering Number	Item Code	Plug	Ordering Number	Item Code	Plug
<b>Ply Separator Model</b>					
PLY130-WB-460V3PH60HZ	08013	no plug	PLY-130WB-230V3PH60HZ-IEC60309	08151	IEC60309
PLY130-WB-230V3PH60HZ	08046	no plug	PLY-130WB-460V3PH60HZ-IEC60309	08152	IEC60309
PLY130-WB-460V3PH60HZ-L16-20	08053	L16-20	PLY-130WB-230V3PH50HZ	08246	no plug
PLY130-WB-460V3PH60HZ-L16-30	08054	L16-30	PLY-130WB-200V3PH60HZ	08457	no plug
PLY130-WB-230V3PH60HZ-L15-20	08055	L15-20	PLY-130WB-200V3PH60HZ-N18-20	08462	N18-20
PLY130-WB-230V3PH60HZ-L15-30	08056	L15-30	PLY-130WB-200V3PH50HZ	08527	no plug
PLY130-WB-400V50HZ	08102	no plug	PLY-130WB-200V3PH50HZ-N18-20	08528	N18-20
<b>Cart Model</b>					
PLY130-CART	08100	N/A			
<b>Replacement Parts</b>					
PLY130-BLADE	08490	N/A			
PLY-JG Jig Only	08015	N/A			

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Authorised Distributor:



## Prepare Finger or Finger-Over-Finger Splices

The Pun M™ is designed to effortlessly punch fingers into polyurethane and PVC conveyor belts in preparation for installing endless splices. The tool is available in 3 standard widths; 300 mm (12"), 600 mm (24") and 900 mm (36"). The open construction of the punch enables punching wider belts in multiple steps.



### *Ideal for Working on Location*

The Pun M is manually operated and does not need electricity or air pressure for its operation. The punching force of 50 kN (11,000 lbs.) is created by pulling the lever and is easily done with one hand by an average person. Because of its easy set-up and manual operation, the Pun M is an ideal tool for working on location, as well as in a workshop.



### *Easy Operation*

**one hand clamping bar**



### *Flexible Configurations*

**for all types of finger punching**



### *Manually Operated*

**no electricity or air pressure needed**



### *Portable Equipment*

**for on-site use**

## Other Novitool® Solutions:



*Aero™ Press: An innovative, air-cooled press that does not require external components. Complete cycle time is approximately 10 minutes, significantly increasing belt productivity.*



*Ply 130™ Ply Separator: The robust design allows for quick, effortless, and precise ply separation on thermoplastic belts - even extremely thin or difficult belts.*

## NOVITool® PUN M™ Mobile Finger Punch

### Easy Operation

To punch a belt, one belt end is positioned against the end stop and clamped in place. Precise fingers are quickly punched with each lever pull.

Pun M™ Dimensions				
	L	H	W	Weight
Pun M 300	570 mm (23")	370 mm (15")	360 mm (14")	14 kg (31 lbs)
Pun M 600	870 mm (34")	370 mm (15")	360 mm (14")	17 kg (37 lbs)
Pun M 900	1170 mm (46")	370 mm (15")	360 mm (14")	20 kg (44 lbs)

Pun M™ Ordering Information	
Ordering Number	Item Code
PUN-M-300	08016
PUN-M-600	08017
PUN-M-900	08018

### Punch Types

Depending on the desired finger dimensions, Flexco offers both straight and bias finger punchboards. Please note that punchboards are sold separately. Flexco can also create custom punchboards for other finger dimensions. Contact Customer Service for information.

Pun M™ Punchboard Specifications		
	Ordering Number	Item Code
<b>Pun M 300 Punchboards</b>		
50 x 20 mm*	PUN-B-50x20-300	08019
70 x 15 mm	PUN-B-70x15-300	08022
80 x 20 mm	PUN-B-80x20-300	08025
50 x 18 mm**	PUN-B-50x18x31BIAS-300	08539
<b>Pun M 600 Punchboards</b>		
50 x 20 mm*	PUN-B-50x20-600	08020
70 x 15 mm	PUN-B-70x15-600	08023
80 x 20 mm	PUN-B-80x20-600	08026
50 x 18 mm**	PUN-B-50x18x31BIAS-600	08540
80 x 20 mm	PUN-B-80x20x113BIAS-600	08439
<b>Pun M 900 Punchboards</b>		
50 x 20 mm*	PUN-B-50x20-900	08021
70 x 15 mm	PUN-B-70x15-900	08024
80 x 20 mm	PUN-B-80x20-900	08027
50 x 18 mm**	PUN-B-50x18x31BIAS-900	08526
80 x 20 mm	PUN-B-80x20x113BIAS-900	08440

\* Also suitable for Finger-Over-Finger splices  
\*\* For Bias Finger-Over-Finger splices.



*Manual punching - operates with one hand*



*Punches precise fingers*



*Easy positioning and clamping*

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CLIPPER®  
Roller Lacing Technology™

## Solutions for On-Site Installation of Clipper® Wire Hooks

Flexco defined quick, on-site mechanical belt fastener installation when they pioneered Roller Lacing Technology™. This time-proven technology allows the lacer head to be driven across the width of the lacer while the dual rollers simultaneously and gradually install the Clipper® wire hooks with ease and speed.



## What makes the Roller Lacer® ideal for on-site installation of Clipper® Wire Hooks?



Roller Lacer® Gold Class™



Roller Lacer®



Microlacer®

### Faster.

Reliable Clipper® splices are typically installed in less than 15 minutes, thanks to the wide lacer widths and the use of Roller Lacing Technology™. Quicker installation translates to less downtime, greater productivity, and increased profits.

### Easier.

- Portable - Made from aircraft aluminum, the lacer remains lightweight and can be easily transported directly to the jobsite for fastener installation.
- Easy Installation - Simple installation procedures, combined with the ability to clamp and secure the belt, make splicing a one-person job.

### Smarter.

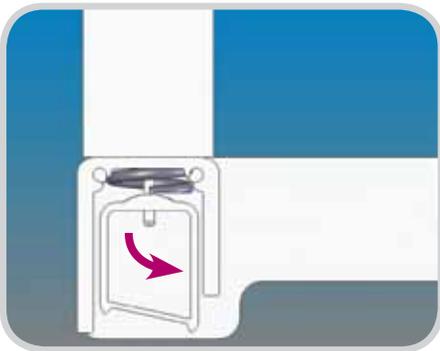
With three different models to select from you are sure to find a lacer to best fit your needs.

- Roller Lacer® Gold Class™: Ideal for customers who either have a large number of belts in their facility or where minimizing downtime is crucial. This lacer offers maximum benefits for high speed installation and minimal operator effort through the use of a cordless drill to drive the lacer head and other features. Available in 24", 36", 48", and 60" widths (600, 900, 1200, 1500 mm).
- Roller Lacer®: A great choice for customers with wide belts who desire quick, on-site installation. Available in 24", 36", 48", and 60" widths (600, 900, 1200, 1500 mm).
- Microlacer®: This 14" (350 mm) lacer is ideal for users with narrow belts or for low volume users.

## Roller Lacer® features:

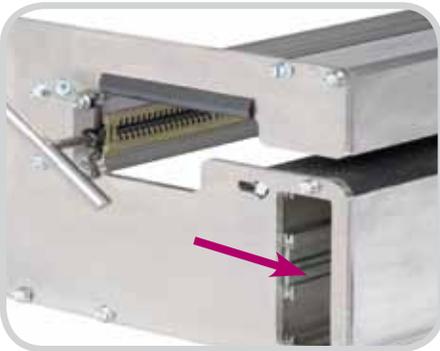
### Face Strip Design:

Face Strips have been redesigned with a solid bottom layer. This 3-layer design eliminates the need for locking levers and back-up bars necessary with previous models. This has removed installation steps and improved the reliability of the lacer by eliminating two common wear items.



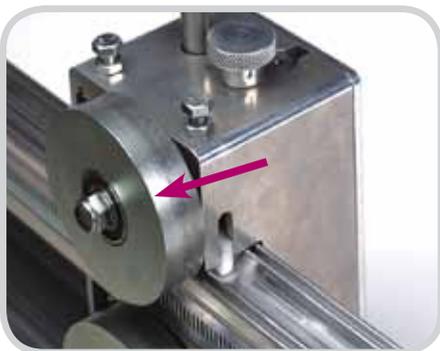
### Belt Clamp Design:

The inner clamp beam features a textured grip surface and when clamped it helps push the belt toward the Face Strip to allow proper hook reachback.



### Face Strip Storage:

Extruded slots in the lacer housing provide a secure yet easy to access storage location.



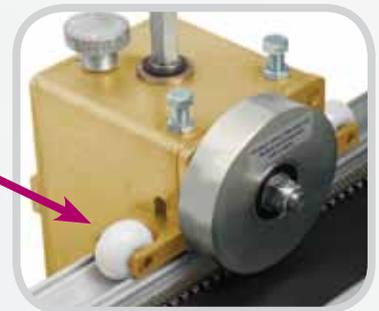
### Roller Shaft Diameter:

The larger diameter shaft provides the necessary support for the rollers to fully embed the hooks into the belt for a long-lasting splice.

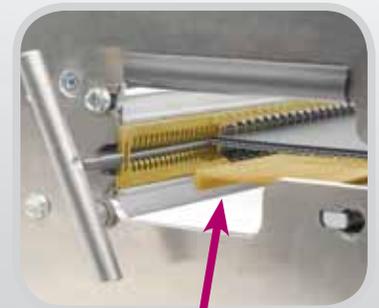
## Exclusive Features of the Roller Lacer® Gold Class™



*Lacer head is driven with an 18 volt cordless drill for quicker installation and reduced operator fatigue. (Drill not included with sale of lacer)*



*The clevis bracket and guide rollers provide additional stability to the lacer head and allow it to transverse with ease across the width of the lacer. The guide rollers are made of UHMW polyethylene for long wear life.*



*Belt Support Shelf easily guides belt into hook points, reducing operator time and effort. Carrying Strap is included for easier transportation of the lacer to the jobsite.*

## Choosing the right lacer for your needs:

Feature	Roller Lacer® Gold Class™	Roller Lacer®	Microlacer®
Ability to Drive Head with Cordless Drill	●		
Clevis Bracket/Outboard Rollers for Increased Lacer Head Stability	●		
Belt Support Shelf	●		
Carrying Strap	●		
Improved Belt Clamp	●	●	
Improved Face Strip Storage	●	●	
New Face Strip Design	●	●	●
Elimination of Locking Lever and Back Up Bar Assembly	●	●	●
Increased Roller Shaft Diameter	●	●	●
Portable Lacer for On-Site Installation	●	●	●
Available in 24", 36", 48", & 60" Widths	●	●	14" Only
Ability to Continuous Lace Belts Wider Than Lacer Width	●	●	●

### Ordering Information – Roller Lacer®

Belt Width		Roller Lacer® Gold Class™		Roller Lacer®	
in	mm	Ordering Number	Item Code	Ordering Number	Item Code
24	600	RL-G24	03985	RL-24	03370
36	900	RL-G36	03986	RL-36	03371
48	1200	RL-G48	03987	RL-48	03372
60	1500	RL-G60	03988	RL-60	03375

### Ordering Information – Face Strips

Belt Width		Roller Lacer® Gold Class™		Roller Lacer®	
in	mm	Ordering Number	Item Code	Ordering Number	Item Code

#### Hook Size; 36, UCM36

24	600	FSGOLD36-24	04038	FSMAN36-24	04020
36	900	FSGOLD36-36	04039	FSMAN36-36	04021
48	1200	FSGOLD36-48	04040	FSMAN36-48	04022
60	1500	FSGOLD36-60	04041	FSMAN36-60	04023

#### Hook Size; 1, UX-1

24	600	FSGOLD1-24	04034	FSMAN1-24	04015
36	900	FSGOLD1-36	04035	FSMAN1-36	04016
48	1200	FSGOLD1-48	04036	FSMAN1-48	04017
60	1500	FSGOLD1-60	04037	FSMAN1-60	04018

#### Hook Size; 2-4, U2SP-U3

24	600	FSGOLD2-24	04042	FSMAN2-24	04025
36	900	FSGOLD2-36	04043	FSMAN2-36	04026
48	1200	FSGOLD2-48	04044	FSMAN2-48	04027
60	1500	FSGOLD2-60	04045	FSMAN2-60	04028

#### Hook Size; 4½-7, U4-U7

24	600	FSGOLD4-1/2-24	04046	FSMAN4-1/2-24	04030
36	900	FSGOLD4-1/2-36	04047	FSMAN4-1/2-36	04031
48	1200	FSGOLD4-1/2-48	04048	FSMAN4-1/2-48	04032
60	1500	FSGOLD4-1/2-60	04049	FSMAN4-1/2-60	04033

Face Strips sold separately.

### Ordering Information – Microlacer®

Belt Width		Microlacer®	
in	mm	Ordering Number	Item Code
14	350	MICROLACER	03368

### Ordering Information – Face Strips

Microlacer®		
Hook Size	Ordering Number	Item Code
36, UCM36	FSMAN36-MICRO	04019
1, UX-1	FSMAN1-MICRO	04014
2-4, U2SP-U3	FSMAN2-MICRO	04024
4-1/2-7, U4-U7	FSMAN4-1/2-MICRO	04029

Face Strips sold separately.



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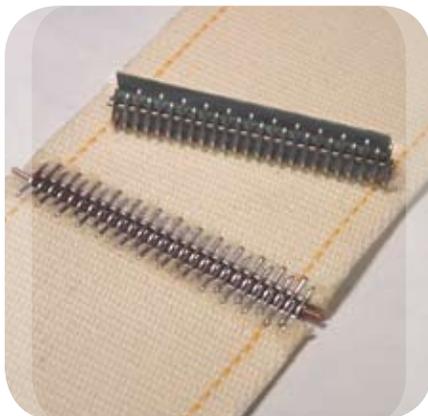
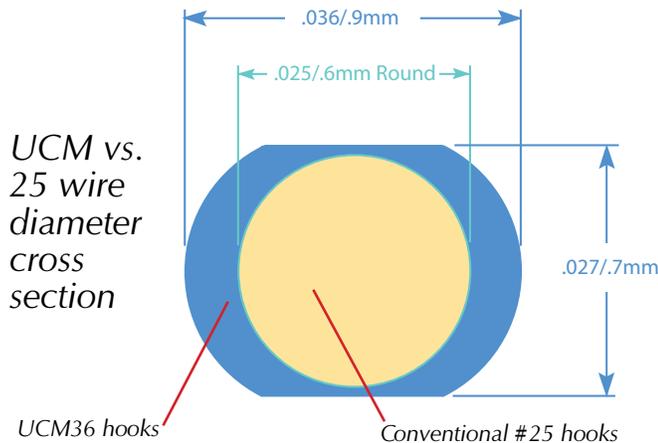
Authorized Distributor:



The commercial laundry industry has relied on Clipper® wire hooks for decades, due to their ability to provide splices that are long-lasting and easy to install.

With thousands of sheets to dry, iron, and fold:

**Depend on**  
**Clipper® Fasteners**  
**to keep your**  
**operations moving.**



## **Faster.**

A variety of installation equipment specifically designed for the commercial laundry industry allow facilities to quickly replace laundry tapes on-site, reducing downtime.

## **Stronger.**

Clipper® UCM36 hooks offer greater strength and easier installation. Made from a shaped wire, .027" high x .036" wide (.7 x .9 mm), the UCM36 hooks provide greater strength and wire mass than #25 hooks, yet maintain a similar, low profile splice to the #25 splices.

## **Easier.**

Individual hooks are welded to a common bar with the UCM36 hooks. This technology provides a sturdier splice which makes splice installation easier from all aspects: handling, removal of paper, meshing of ends together and pin insertion.

## **Smarter.**

Flexco, a trusted leader in the industry, offers Clipper tools and accessories to simplify repairs and insure a dependable, long-lasting splice.

# Belt Fastening Solutions from Flexco

## Lacing Equipment

### Pro-200 Electric Hydraulic Lacer:

Quickly and efficiently install low profile Clipper® splices. The lacer's durability, easy operating procedures and quick cycle time make this an ideal tool for high-volume, production lacing.



### Vise Lacers:

An economical tool for installing Clipper splices. Fits in any shop vise.



### #25 Lever Lacer:

Portable, extremely easy to use, hand-held installation tool for #25 hooks up to 2" (50 mm) wide.



### LW95 Lacer:

A portable lacer which allows users to install up to 6" of lacing at a time, with the ability to continuous lace wider belts. Compatible with all sizes of Clipper hooks.



### Fastener Ordering Information

Hook Size	Belt Thickness	Minimum Pulley Diameter	Custom Strip Length					
			1-7/8"	2"	2-1/2"	3"	3-1/2"	4"
UCM36SLXSP	Up to 1/16" (1.6mm)	15/16" (24mm)	02498	02496	02494	02492	02490	02488
UCM36SLSP	1/16"-3/32" (1.6-2.4mm)	15/16" (24mm)	02497	02495	02493	02491	02489	02487
UCM36XSP	Up to 1/16" (1.6mm)	2" (51mm)	02043	02485	02483	02048	02042	02030
UCM36SP	1/16"-3/32" (1.6-2.4mm)	2" (51mm)	02486	02484	02407	02299	02041	02034

### Ordering Information

Product	Ordering Number
<b>Production Lacer</b>	
Pro-200 Electric Hydraulic Lacer	PRO-200H
Pro-200 #25 Adapter	P2CLPR25
Pro-200 #36/30 Adapter	P2CLPR36/30
Pro-200 #1 Adapter	P2CLPR1
<b>Vise Lacer</b>	
#25 Vise Lacer	25VL-7
#36/30 Vise Lacer	36VL-7
#1 Vise Lacer	1VL-7
<b>Lever Lacer</b>	
#25 Lever Lacer	25LEVER
<b>LW95 Lacer</b>	
25XLW Lacer (#25 hooks)	25XLW
#1 Hook Retainer	HR1LW95
#36 Hook Retainer	HR36LW95
<b>Tape Cutter</b>	
#25 Tape Cutter	CUTTER-25
<b>Tape Binder</b>	
Non-flammable Tape Binder – Pint	BINDER-PT
Non-flammable Tape Binder – Quart	BINDER-QT
Non-flammable Tape Binder – Gallon	BINDER-GAL
Quick Dry Tape Binder – Quart	QDBINDER-QUART



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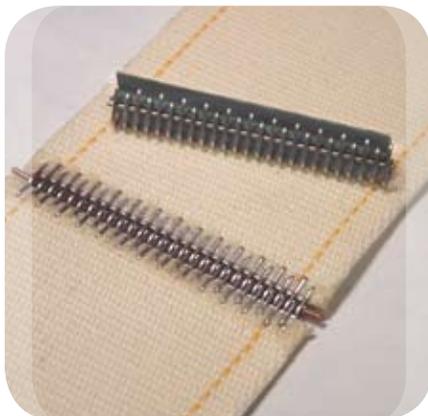
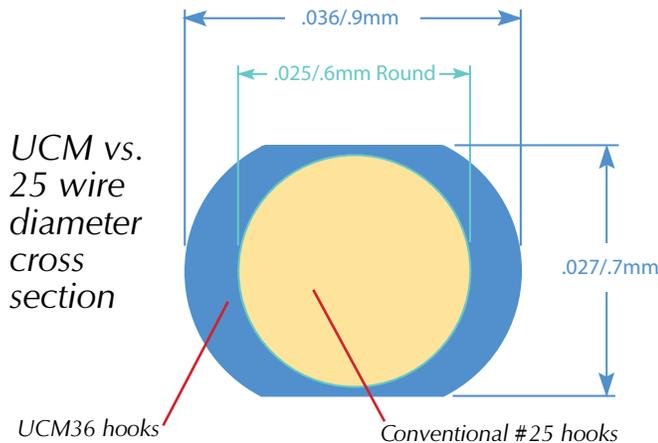
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The commercial laundry industry has relied on Clipper® wire hooks for decades, due to their ability to provide splices that are long-lasting and easy to install.

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UCM36XSP	Up to 1/16" (1.6mm)	2" (51mm)	02043	02485	02483	02048	02042	02030
UCM36SP	1/16"-3/32" (1.6-2.4mm)	2" (51mm)	02486	02484	02407	02299	02041	02034

### Ordering Information

Product	Ordering Number
<b>Production Lacer</b>	
Pro-200 Electric Hydraulic Lacer	PRO-200H
Pro-200 #25 Adapter	P2CLPR25
Pro-200 #36/30 Adapter	P2CLPR36/30
Pro-200 #1 Adapter	P2CLPR1
<b>Vise Lacer</b>	
#25 Vise Lacer	25VL-7
#36/30 Vise Lacer	36VL-7
#1 Vise Lacer	1VL-7
<b>Lever Lacer</b>	
#25 Lever Lacer	25LEVER
<b>LW95 Lacer</b>	
25XLW Lacer (#25 hooks)	25XLW
#1 Hook Retainer	HR1LW95
#36 Hook Retainer	HR36LW95
<b>Tape Cutter</b>	
#25 Tape Cutter	CUTTER-25
<b>Tape Binder</b>	
Non-flammable Tape Binder – Pint	BINDER-PT
Non-flammable Tape Binder – Quart	BINDER-QT
Non-flammable Tape Binder – Gallon	BINDER-GAL
Quick Dry Tape Binder – Quart	QDBINDER-QUART



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