

# SOLUTIONS FOR AGRICULTURE

PATENTED PRODUCT  
MADE IN FRANCE



**Market** / Agricultural Industries



# Round-Baler Belts and Wrapper Machine

In rolls or cut to length








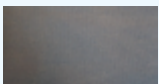
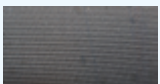
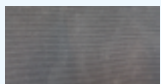


## Made to measure belts

MLT offers premium quality belts suitable for all machines on the market in all standard widths available.

We deliver belts in rolls, custom lengths or made endless by vulcanization or fastening.

## THE ADVANTAGES





- Adaptées à l'enrubannage comme aux produits secs
- Specially designed for severe applications
- Very Resistant 3-ply carcass to protect against elongation
- Double grip: Reversible belt saves time because no orientation of assembly (face in contact with the rolls / face in contact with the boots)
- Diamond Belt: «Diamond» profile specifically designed for John Deere results in replacement of your belts with the original profile.

Type of belt	Mini Roughtop belt	Double Grip	Roughtop	Diamond top	Mini Grip
Carcass	Polyester / Nylon				
Number of plies	3				
Top side profile	Smooth 	Fine grained 	Honeycomb 	Diamond top 	Notched 
Bottom side profile	Lightly grained 	Fine grained 	Lightly grained 	Lightly grained 	Lightly grained 
Thickness	6.4 mm	6.2 mm	6.5 mm	8.5 mm	7 mm
Operating voltage	40 N/mm	40 N/mm	58 N/mm		49 N/mm
Widths	From 100 mm to 1400 mm	From 100 mm to 1400 mm	From 100 to 1245 mm	178 mm	From 100 mm to 700 mm
Max. lengths	100 ml	100 ml	100 ml	42 ml or 100 ml	100 ml
Special characteristics	Reversible belt			Specific belt for John Deere in width 178mm	Specific belt for New Holland in width 273mm
Compatible splicing solutions	<ul style="list-style-type: none"> <li>• Fastening in MS®25 or Titan 05</li> <li>• ISC® spliced</li> <li>• Vulcanized</li> </ul>	<ul style="list-style-type: none"> <li>• Fastening in MS®25 or Titan 05</li> <li>• Vulcanized</li> </ul>	<ul style="list-style-type: none"> <li>• Fastening in MS®25 or Titan 05</li> <li>• ISC® spliced</li> <li>• Vulcanized</li> </ul>	<ul style="list-style-type: none"> <li>• Fastening in MS®25 or Titan 05</li> </ul> <p>(remove the relief to fit the fastener)</p>	<ul style="list-style-type: none"> <li>• Fastening in MS®25 or Titan 05</li> </ul> <p>(remove the relief to fit the fastener)</p>



# Endless solutions for Round Baler belts

A solution for every configuration

Type of splice	MS25 RB Fastener	Titan T05 fastener	ISC® RB	Hot vulcanization
				
Compatible with	Double grip Belt Smooth Grip belt Roughtop belt Diamond belt ( obligatory sanding of the top surface) Smooth grip belt (top surface must be sanded) Smooth Grip belt	Double grip Belt Smooth Grip belt Roughtop belt Diamond belt ( obligatory sanding of the top surface) Smooth grip belt (top surface must be sanded) Smooth Grip belt	Smooth Grip belt Roughtop belt Smooth Grip belt	Double grip Belt Smooth Grip belt Roughtop belt Smooth Grip belt
Minimum / maximum belt thickness	3,5 – 7,4 mm	5 -7 mm	Without particular constraints	Without particular constraints
Ø Min. diameter	75 mm	80 mm	Ø diameters belts	Ø diameters belts
Tools and operating method	Pre-closing with hammer, fixing with self-tapping screws Connecting pin Stainless steel coated polyamide Ø 4,5mm	Closing with clamp tool Connecting pin : notched stainless steel pin OR coated stainless steel cable	Delivered with the splice pre-integrated in our workshops.	Delivered joined by us in our workshop.
Belt passage on the machine	Open belt passage	Open belt passage	Open belt passage	Close belt passage



# Endless metal fastening solutions

## MS® 25 RB FASTENERS

### The emergency repair fastener

The **MS® 25 RB** fastener is a screw-on fastening solution. Durable and very easy to install, the **MS® 25 RB** fastener is the ideal fastener for all types of repairs. No specific tools are required, a standard screwdriver is all you need.

#### THE ADVANTAGES

- Very quick to set up
- No specific equipment: a plate, a hammer and a screwdriver are necessary
- Adapted for all brands of machines of the market
- Ideal in case of breakage in the middle of work
- Stainless steel quality, does not rust and is moisture resistant
- Different screw lengths available to adapt to the thickness of your belts
- Available in kit for belts up to 180 mm or 300 mm
- Can place them end-to-end for a staggered assembly.

Belt thickness	from 3.5 mm to 7.5 mm
Fastener resistance (breaking tension)	450 N/mm (for the boot weight standards of today's machines)
Mini pulley ø	75 mm
Type of pins	Black coated stainless steel - Ø 4,6 mm
Steel qualities	Stainless steel
Available screws	Sizes available : 4x7 - 4x8 - 4x9 - 4x10 - 4x12 Kit Sizes : 4x12 in stainless steel Kit Sizes : 4x10 in steel
Packaging	<ul style="list-style-type: none"><li>• <b>Kit includes:</b> 2 complete stainless steel fasteners, 2 black coated stainless steel cables Ø 4, 6 mm + 4x12 mm screws (for belt thickness between 7 mm and 9 mm), a PZ2 bit and installation instructions. <b>Fasteners sold in blister packs in lengths: 170 mm and 290 mm.</b></li><li>• <b>Lengths up 3000mm</b> with screws and pins sold separately</li></ul>



## INSTALLATION TOOLS



### Cordless tool kit with skiver and driver

This pack provides you with ready-to-use tools to install most **MLT** products, including the **MS®** Fastener, consisting of :

- A cordless belt skiver and accessories,
- A cordless powered driver and accessories,
- PPE, etc.

With a total of **17 elements included** in the pack, you will be able to complete your installations easily in record time.

# TITAN 05 FASTENERS

## The workshop fastener

The **Titan 05** is a compact fastener perfectly adapted for severe use and is compatible with all of our round baler belts. Delivered with coated stainless steel cables, but also available with notched stainless steel rods. The **Titan 05** fastener can be fastened either with a vice splicer or with a hydraulic bench press equipped with a specific die. The **Titan** fastener is recommended in dry to mixed environments.

### THE ADVANTAGES

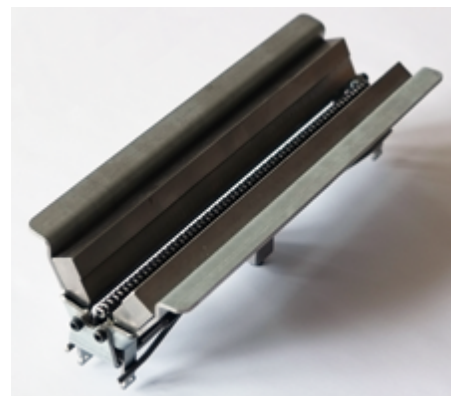
- Very resistant
- Very suitable for mixed use (hay / straw / wrapping)
- Ideal for very intensive use
- Compatible with machines on the market, all brands
- Ideal as a belt replacement or to make a bridge in high season
- Stainless steel quality, does not rust and is moisture resistant
- Available in several packagings,
- For larger belts, it is possible to put them end to end with a staggered mounting.

Belt thickness	from 5 mm to 7 mm
Type of belt	Any type of relief of belts. Caution: the diamond profile must be peeled / sanded for about 3 cm to be able to install the fastener.
Failure stress	650 N/mm (for the boot weight standards of today's machines)
Ø Minimum diameter	80 mm
Type of pins	Notched stainless steel rod or coated stainless steel spindle
Steel qualities	Stainless steel (409)
Pitch/diameter studs	15 mm/1.8 mm
Packaging	<ul style="list-style-type: none"><li>• Boxes in length 135 mm, 150 mm or 195 mm,</li><li>• 5 or 6 fasteners per box,</li><li>• Can be butted together to cover larger belt widths.</li></ul>

## INSTALLATION TOOLS



Hydraulic installation tool



Clamp tool

# Round Baler Endless Belt Drive Solutions

## ISC® RB belt

### The belt with pre-integrated splice

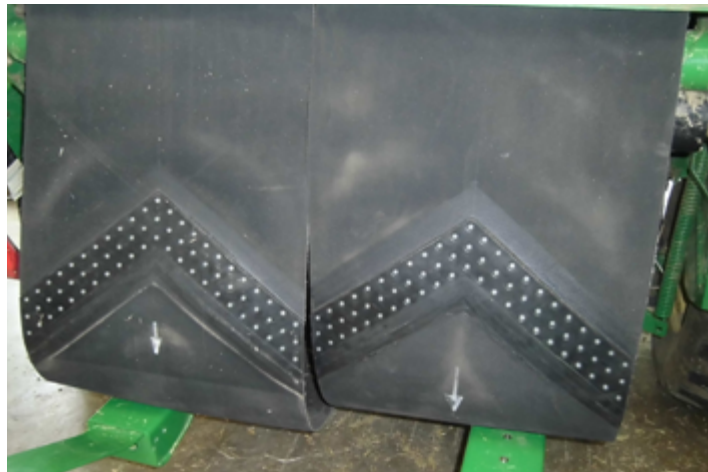
The **ISC® belt** is an industry-developed technology to optimize the replacement of your belts. No more need to completely dismantle to install your new belts: **ISC® spliced** belts guarantee an express assembly and a real reduction in downtime.

Thanks to its metal inserts formed in the rubber and fabric, the splice ensures a very strong resistance to the assembly when tightening the screws. The **ISC® splice** is compatible with small diameters of flex and inflection windings. It is therefore the ideal solution for your belt replacements.

They are easy to install, simply hook them to your belts in place with our pullers, turn your machine, once the used belt is completely removed from your machine, you can release the new belt. All you have to do is screw on your new splice, and restart your machine.

### THE ADVANTAGES

- The revolutionary solution for the replacement of your RB belts
- Very fast belt replacement
- No need to dismantle the machine
- No risk of hanging up the splice with the threads
- Also works for flax machines
- No specific tooling
- Disconnection at the junction so that the junction does not suffer because of the repetitive passes against the guides
- Joining system installed in our workshops



### INSTALLATION TOOLS



#### Cordless tool kit with skiver and driver

This pack provides you with ready-to-use tools to install most **MLT** products, including the **MS®** Fastener, consisting of :

- Aa cordless belt skiver and accessories,
- A cordless powered driver and accessories,
- PPE, etc.

With a total of **17 elements included** in the pack, you will be able to complete your installations easily in record time.



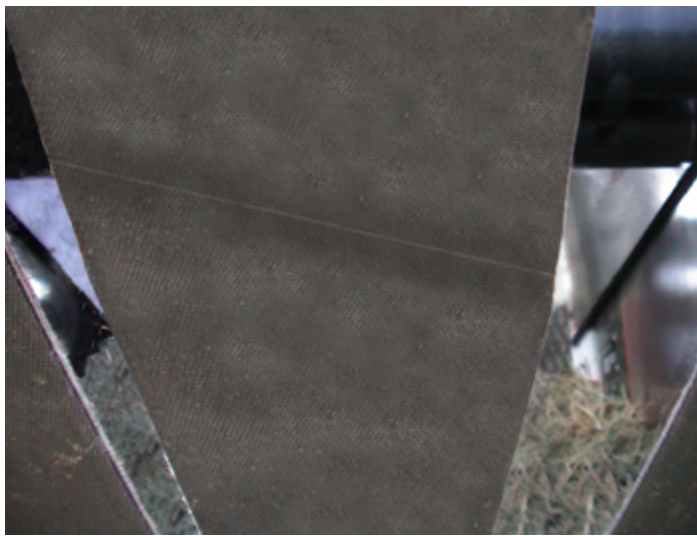
# Endless hot splicing solution for hot splicing belts

## Hot vulcanization

Belts set in endless, closed passage

We complete **hot vulcanizations** with the greatest care in our workshops in France. This splicing technique offers a perfectly smooth belt equivalent to the belts installed as original equipment on your machines.

Highly resistant to tension, the hot splice guarantees optimal use throughout your harvesting season.



# Endless solutions for PVC/PU belts

## MECHANICAL FASTENERS SELF-LOCK®

### A flat fastener for light belts

The **SL03** is a fastener suitable for grape harvesting machines equipped with a strip of thickness between 5 and 7 mm.

The **Self-lock®** fastener is a patented **MLT** product. Its efficiency and ease of installation make the **Self-lock®** fastener a major innovation..

The metal trigger guard is integrated into the belt when closing and locks the claw inside: cleaning is thus made easier. Each element is integral, the risk of losing an element is thus eliminated. The **Self-lock®** fastener benefits from a strong tightening of the belt. Available in rigid and semi-rigid versions.



Belt thickness		Operating voltage		Ø Minimum diameter	
mm	inch	N/mm	PIW	mm	inch
3.5 - 4.8	1/8 - 3/16	38	220	60	2 <sup>1/4</sup>

## INSTALLATION TOOLS



Self-Lock® installation tool

### Characteristics :

- An installation device equipped with a stamp, a mallet and a guide (exists in 300, 600, 900 and 1200 mm).

### Advantages :

- Splicing of wide belts by reworking,
- Very easy to use,
- No power source required.



MLT Quick Driver

### Characteristics :

- A complete case equipped with a chisel, 2 punch guides and 2 punches: Self-Lock® and Mini Record (fitting device to be ordered separately),
- Reduced weight: approx. 2 kg equipped,
- Energy: Pneumatic,
- Ergonomics,
- Adjustable power.

### Advantages :

- Polyvalent: allows the application of Self-Lock®, but also Mini-Record (MR) fasteners.
- Optimal comfort of use,
- Compact and lightweight,
- Compatible with other installation devices on the market.



# IFS

## The flexible splice for light duty PVC / PU belt

**IFS (Invisible Flexible Splice)** is an innovative and fast solution for splicing your PVC/PU belts.

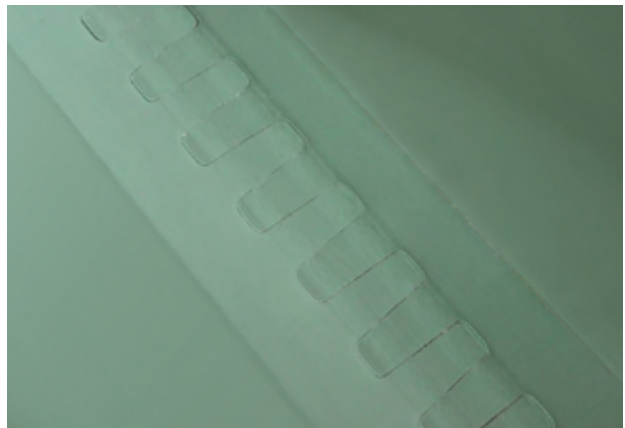
With no metal components, it provides optimal sanitary conditions and easy cleaning, With the **IFS** being removable, it provides you with one major advantage: the belt can be replaced without needing to disassemble the conveyor belt.

The new **IFS splice** has been improved to meet the majority of situations and constraints. With the **IFS** being removable, it provides you with one major advantage: the belt can be replacement without needing to disassemble the conveyor belt.

**Fields of application** : mixer bowl, stall belts, fruit & vegetables, etc.

### THE ADVANTAGES

- Resistant, even under difficult conditions of use
- More waterproof and flat, thanks to its regularity of thickness, thus offering increased sanitation safety
- More flexible
- Even easier to install, with the easy introduction of the axes.



## INSTALLATION TOOLS

### Press with compressed air cooling, with digital control screen

The **MLT ACI 1200** Air Press is designed for joining thermoplastic belts by pressure and thermo-fusion then air cooling.

Unlike other alternatives, this press cools by means of **two turbines located at both ends of the heating plates**. The cooled air thus injected circulates through a circuit of finned channels whose outlet is located in the center of the two plates. In addition, the heating plates are insulated from the press frame to reduce the heat transfer to the frame.

This **exclusive design of the method of air circulation** inside the heating plates has the great advantage of making **tous les cycles identiques**. Cette presse **all the cycles identical**. This press can perform up to 12 splices in less than 20 minutes each (depending on the thickness and material of the belt) **without downtime** and with constant parameters. This allows for uniform cooling, which results in longer splice life. All the components required for the proper operation of this press are supplied.



# CLIP 'N LOCK® METAL FASTENER

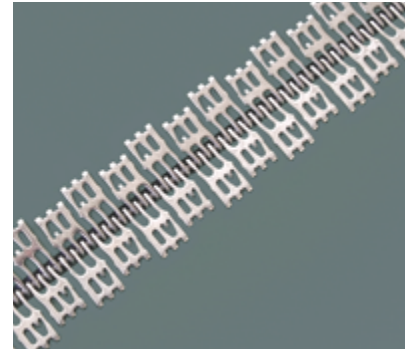
The only one-piece metallic fastener on the market.

The **CL25** fastener guarantees a good grip, even in thin belts.

Its conception, defined and patented by **MLT**, gives it many advantages: more resistance with a double row of teeth (from **CL30**), a contigous design with no risk of losing claws which is essential in the food industry, guarantees a constant pitch over the entire width of the belt, perfect flexibility useful especially for trough belts.

**Clip'N lock®** provides 33% more fastening points than standard fasteners and 15% more strength.

**Fields of application** : Food industry, Cardboard factories, Laundry, etc.



Belt thickness		Operating voltage		Mini pulley ø	
mm	inch	N/mm	PIW	mm	inch
1 - 1.5	1/32 - 1/16	38	22	20	3/4

## INSTALLATION TOOLS



Clamp tool

### Characteristics :

- Splices up to 150 mm

### Advantages :

- Very easy to use,
- No power source required.



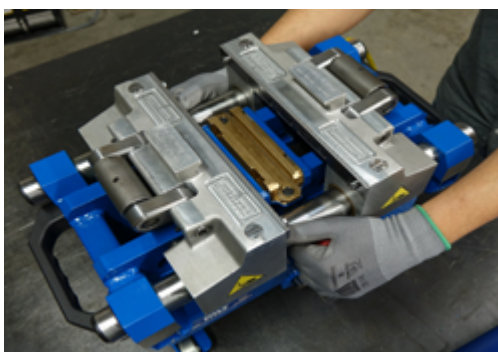
CL Lacer

### Characteristics :

- Installs all the fasteners of the Clip'N Lock® range,
- Uses comb lengths from 350 mm upwards,
- Less than 13 kg.

### Advantages :

- Very easy to use,
- No power source required.



Multitool\*

### Characteristics :

- Installs all fasteners of the Clip'N Lock® range,
- Jaws: 200 mm wide,
- Different sizes of combs,
- Tool suitable for industrial use.

### Advantages :

- Optimal installation of the fastener,
- Fast and easy to use,
- Interchangeable combs.

\*Available in 2 packs:  
Basic and Premium Packages  
Contact us for more information

# Rivet fastener

## RIVET FASTENER

A robust fastener which adapts to all conditions



### Airport fastener

The **Airport** rivet fastener is a fastener suitable for grape harvesting machines equipped with belts with a thickness between 3 and 6 mm.

It is manufactured in stainless steel 316L, delivered with stainless steel or copper rivets on bar (for an easier installation) and rigid stainless steel spindle.

- The fastener is available with straight or beveled edges.
- Available in rigid and semi-rigid versions.
- Standard lengths: 160 mm to 470 mm (consult us).



Rigid Airport



Rigid beveled Airport

Belt thickness		Operating voltage		Mini pulley ø		Failure stress		Number of rivets per meter
mm	inch	N/mm	PIW	mm	inch	N/mm	PIW	
3 - 6	1/8 - 9/32	20	114	35	1 3/16	200	1142	160



### Fastener A

Rivet fastener **A** is a fastener suitable for grape harvesting machines equipped with belts with a thickness between 5 and 7 mm.

It is made of 316L stainless steel, delivered with stainless steel or copper rivets on bar (for easier installation) and rigid stainless steel spindle.

- The fastener is available with straight or beveled edges.
- Available in rigid and semi-rigid versions.
- Standard lengths: 250 mm to 350 mm (consult us).



A rigid



Back view

Belt thickness		Operating voltage		Mini pulley ø		Failure stress		Number of rivets per meter
mm	inch	N/mm	PIW	mm	inch	N/mm	PIW	
5 - 7	3/16 - 9/32	35	200	75	2 61/64	350	2000	96

## INSTALLATION TOOLS

Rivet fasteners are simply installed with a hammer.







# SOLUTIONS FOR AGRICULTURE

## MLT Minet Lacing Technology

More than 70 years of innovation  
at your service



ANY SPLICE, ANY BELT,  
ANYTIME, ANYWHERE



**Narviflex**  
■ BELTING

PATENTED PRODUCT  
MADE IN FRANCE



Narviflex Group  
Liesdonk 7 - B2440 Geel - Belgium  
Tel : +32 14 59.11.31 mlt.narviflex.be