Invisible Flexible Splice

Quick and easy setup

The new invisible splice for light duty belts
A Partner you can Trust

Our products and solutions meet your needs

70 years of experience and innovation for you

Solutions for heavy and light-duty belts, manufacturer of technical belts, tools, vulcanizing presses
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Advantages:

- Waterproof
- Flexible
- Resistant even in severe conditions
- Integrates perfectly into the belt
- Manufactured and installed without metal components
- Easily removable

Fields of application:

- Light duty industries
- Agricultural/food industries
- Laundries
- Industries utilizing cardboard, cartons, boards etc.
- And more!

IFS (Invisible Flexible Splice) is an innovative and fast solution for splicing your light duty belts.

The IFS is the new splicing system for light duty belts, heir to the PVC / PU splice. It has been developed by the MLT team to offer a solution to your daily problems. MLT: always at the forefront of innovation and consistently improving our products inspired by your experienced feedback.

A solution of flexible splice for light duty belts!

Your problems

- Machine downtime too long
- A lack of tightness in your splices can cause the quality to decline
- Bacterial risk
- Complexity of installation of your current lacing system
- Dismantling the conveyor for belt replacement
- Complexity to clean conveyor

Our solution

Thanks to a new design and a new manufacturing process developed by our R&D teams, the new IFS is as effective as the previous version:

- Resistant in difficult conditions
- More watertight and flatter, thanks to its thickness, the IFS offers better safety
- More flexible
- Even easier to install, with the introduction of the pins

The new IFS has been upgraded to meet the majority of situations and constraints. Without any metal components, the IFS ensures optimal sanitary conditions and easy cleaning it can also be used with metal detectors and X-ray machines.

With the IFS being removable, it provides you with one major advantage: the belt can be replacement without needing to disassemble the conveyor belt.

New generation pins:

The length of the pins can be adjusted with a simple pliers.

Easy installation

For the endless setting of your belt, simply insert the specially designed pins. The pins ease of installation provides fast assembly and disassembly of your conveyor belt.

An essential system to maintain your facilities by reducing downtime.
Performances:
The new IFS tested in extreme situations

Tested in severe conditions:

As resistant as the previous version

Tested in extreme conditions for 1000 hours, 24/24, 7/7, on a fast running conveyor (180 m / min), the result was a high-strength mechanical splice. This occurred even at temperatures up to 85 ° C.

A new design created to meet all your needs:

But without extra thickness

The perfect thickness of the new IFS in the belt gives it an incredible level of integration.
A new range of flexible splices

For this new generation of flexible splices, we have simplified the range for more efficiency and ease of ordering the product. No longer are there dozens of product designations, the new IFS is broken down into only 4 levels of thickness, covering the majority of belts and most applications! The IFS splice is 1170 mm (46") in length when delivered.

Choose your IFS efficiently and easily:

<table>
<thead>
<tr>
<th>Belt thickness (mm)</th>
<th>Tension</th>
<th>Minimum pulley Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N/mm</td>
<td>PIW mm</td>
</tr>
<tr>
<td>1.5 to 2.4 mm (1/16&quot; to 3/32&quot;)</td>
<td>8</td>
<td>46</td>
</tr>
<tr>
<td>2.5 to 3.4 mm (3/32&quot; to 9/64&quot;)</td>
<td>12</td>
<td>69</td>
</tr>
<tr>
<td>3.5 to 4.9 mm (9/64&quot; to 13/64&quot;)</td>
<td>20</td>
<td>114</td>
</tr>
<tr>
<td>5 to 6 mm (13/64&quot; to 15/64&quot;)</td>
<td>20</td>
<td>114</td>
</tr>
</tbody>
</table>

Choose your IFS in the product range below:

**PVC**

<table>
<thead>
<tr>
<th>Belt thickness</th>
<th>Sliding bed</th>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Ocean blue RAL 5020</td>
</tr>
<tr>
<td>1.5 to 2.4 mm (1/16&quot; to 3/32&quot;)</td>
<td>Without</td>
<td>2910519</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910535</td>
</tr>
<tr>
<td>2.5 to 3.4 mm (3/32&quot; to 9/64&quot;)</td>
<td>Without</td>
<td>2910542</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910548</td>
</tr>
<tr>
<td>3.5 to 4.9 mm (9/64&quot; to 13/64&quot;)</td>
<td>Without</td>
<td>2910554</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910559</td>
</tr>
<tr>
<td>5 to 6 mm (13/64&quot; to 15/64&quot;)</td>
<td>Without</td>
<td>2910564</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910520</td>
</tr>
</tbody>
</table>

**PU**

<table>
<thead>
<tr>
<th>Belt thickness</th>
<th>Sliding bed</th>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Sky blue RAL 5015</td>
</tr>
<tr>
<td>1.5 to 2.4 mm (1/16&quot; to 3/32&quot;)</td>
<td>Without</td>
<td>2910515</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910524</td>
</tr>
<tr>
<td>2.5 to 3.4 mm (3/32&quot; to 9/64&quot;)</td>
<td>Without</td>
<td>2910528</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910529</td>
</tr>
<tr>
<td>3.5 to 4.9 mm (9/64&quot; to 13/64&quot;)</td>
<td>Without</td>
<td>2910517</td>
</tr>
<tr>
<td></td>
<td>With</td>
<td>2910531</td>
</tr>
</tbody>
</table>

**Sliding bed top/bottom**

<table>
<thead>
<tr>
<th>Belt thickness</th>
<th>Colors</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC 1.5 to 2.4 mm (1/16&quot; to 3/32&quot;)</td>
<td>Traffic white FDA RAL 9016</td>
</tr>
<tr>
<td>2.5 to 3.4 mm (3/32&quot; to 9/64&quot;)</td>
<td>2910539</td>
</tr>
<tr>
<td>PU 1.5 to 2.4 mm (1/16&quot; to 3/32&quot;)</td>
<td>Signal white RAL 9003</td>
</tr>
<tr>
<td>2910552</td>
<td>2910526</td>
</tr>
</tbody>
</table>
A new range of flexible splices
Here’s how MLT recommends you install the IFS successfully

**Splice choice:**

Check the thickness of the belt and choose the correct splice.

**Belt preparation:**

Open the belt at the thickest point for at least 50mm depth (if possible between 2 frames).

**Splice preparation:**

Remove the acetal pins, put in the stainless steel spindle.

**Press work:**

On the press equipped with the lower die, position the splice and the belt such that the splice is on the edge of the heating plate.

Wedge the edges of the splice and belt with a piece of belt.

Set the parameters heating and cooling according to the requirements of the belt.

Consult technical documentation of the supplier.

Cover with the upper die and a stiff plate. Close the press.

At the end of the heating cycle, remove the splice and do the same on the other side.

MLT proscribes the vulcanization of the splice in 1 splice.
Remove the stainless steel spindle (optional: cut the edges of the splice).

Round off the ends.

Put the poly acetal pins back in.

Finishing:

Your IFS splice is installed.
Our trainer:

**ERIC VIRBEL**

30 years of expertise in the conveyor belt industry

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Mail: evirbel@bri13.com

Our institute offers a complete range of training:
- conveyor belt training
- on-site expertise
- audit
- an independent testing laboratory

We study your needs and put together a customized offer. Please do not hesitate to contact us.

BRI was created to address the existing theoretical or practical needs of conveyor belt training, especially rubber belts. BRI was founded to offer an unique solution and a domain of expertise that would exceed the users expectations.

Contact us:
BRI services are available worldwide through MLT and if you are located in France, through Provulco. Do not hesitate to get in touch with your MLT contact.

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MLT – it’s also metallic fasteners, flexible splices, tools, endless and spliceless technical belts

Innovative products, easy to install!

Endless spliceless belts
Innovation for 70 years.

MLT, it’s solutions for heavy and light duty belts, tools, technical belts, etc.