

NEW
RANGE 2024



MLT GROUP

Conveyor Solutions Expert

PIONEER AND INVENTOR OF THE

SUPER-SCREW

**MECHANICAL
VULCANISATION
IS BORN**



Lacings / Heavy Industries

PATENTED PRODUCT

MADE IN FRANCE

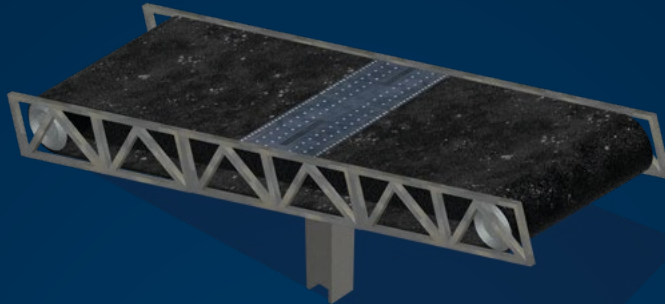
EXCLUDING CANADA, USA, MEXICO

THE HISTORY OF SUPER-SCREW®

The revolutionary innovation
that redefines splicing standards

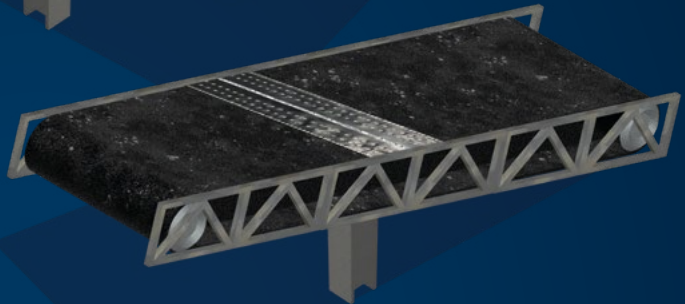
1994

Engineer **Paul Notin**
creates the **rivet H
splice**



1996

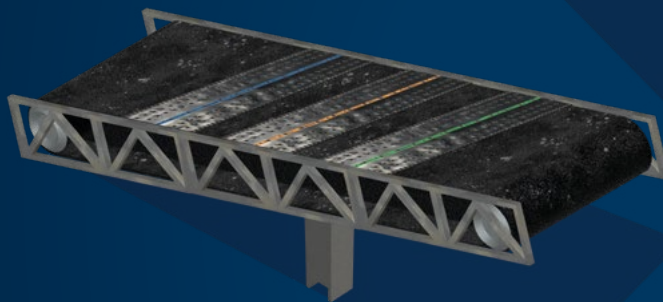
The H splice separates
into two parts. Replace
rivets with screws.
The
SUPER-SCREW® ORIGINAL
is born



2000

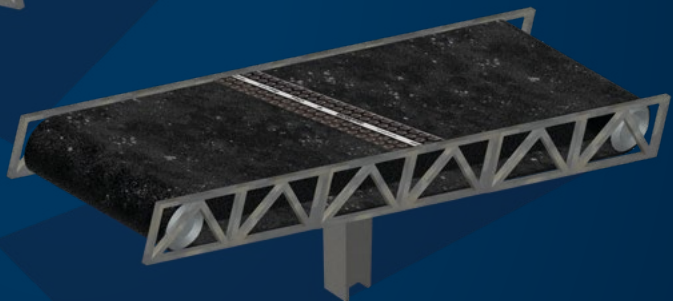
Creation of new covers:

- Oil resistant,
- Heat resistant,
- Fire resistant.



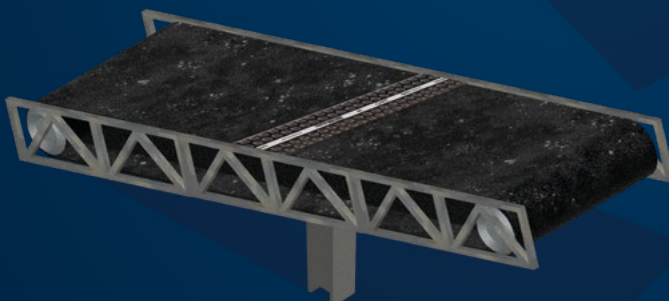
2006

Creation of roll packaging



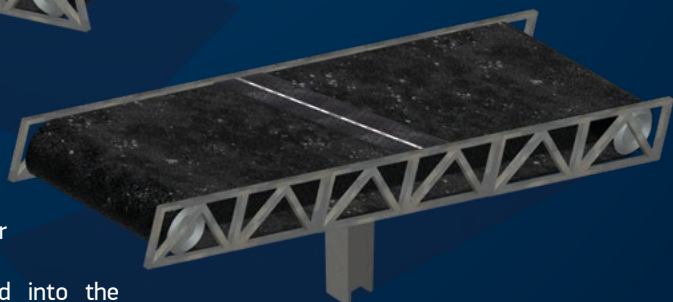
2017

SUPER-SCREW® EVOLUTION
is born, stronger, thinner, more
flexible.



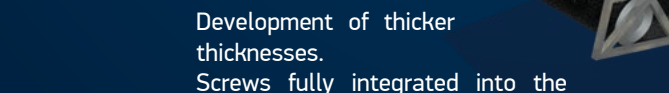
2022

Safety indicator
integration



2024

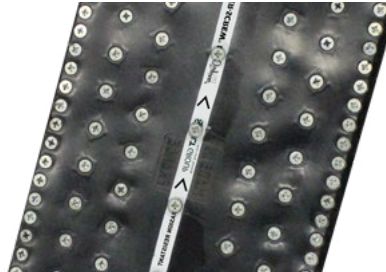
New
SUPER-SCREW® 2024.
Development of thicker
thicknesses.
Screws fully integrated into the
splicing covers.



THE HISTORY OF SUPER-SCREW®

A revolution in the world of bulk transport

More than 30 years of expertise



In **1994**, in the depths of mines and quarries, engineer **M. Notin** turned his attention to a problem that had troubled the mining industry for decades: belt conveyor splicing. It was then that he came up with a bold idea: **the flexible rivet splicing**. He designed an innovative system that eliminated the need for metal pins, offering a flexible and durable solution. **The H splice** was born, and with it a revolution in the world of bulk transport.

The new H splice not only improved the efficiency of splicing operations, it also paved the way for new advances. Renamed **SUPER-SCREW®**, it quickly became the preferred choice of mining, cement and quarrying companies worldwide. But the story doesn't end there. Over the years, **SUPER-SCREW®** has evolved, perfecting itself to meet the diverse needs of the industry. Here's how:

1996

INTRODUCING THE SCREW

Mr Jakob understood that reinforcing tensile strength was essential. The screw was integrated into the splicing design, simplifying installation while offering unrivalled strength.



2000

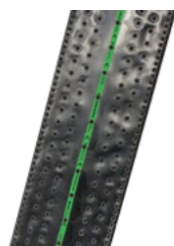
IMPROVING COMPONENTS

System durability and reliability were optimized. **SUPER-SCREW®** withstood the rigors of the most demanding environments.

2000

NEW RUBBER FORMULAS

Advances in rubber formulas expanded the capabilities of splicing. It became the answer to every challenge, from mines to cement works.



2017

THE SUPER-SCREW® EVOLUTION

This revolutionary version increase back the limits. Improved washers increased tension resistance by 50%. The carcass was optimized to accommodate smaller pulley diameters, improving belt integration and dynamic operation.

2017

FEWER SCREWS, MORE EFFICIENCY

SUPER-SCREW® Evolution splicing reduced the number of screws, enabling fast and efficient installation. Downtime was reduced, productivity increased.



THE SUPER-SCREW® REVOLUTION

The Invisible Becomes The Strength

Today, at **MLT**, we continue to innovate. In **2024**, our all-new **SUPER-SCREW®** is ready to be written into a new chapter in industry history. Here's why it's so much more than just a splicing:

INTEGRATION OF WASHER / SCREWS

- Imagine screws and washers embedded in rubber, **invisible on the surface**. They blend into the strip.
- No more snags, no more interference, no more catches. Our screws are reinforced with star washers, but you won't see them. They work quietly, ensuring a **strong, durable splicing**.

COMPATIBILITY WITH SCRAPERS

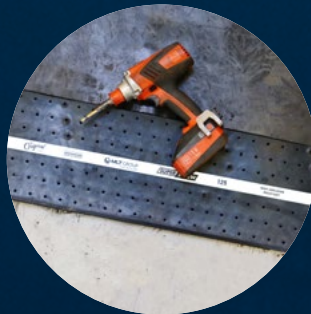
- Scrapers glide smoothly, without bumping into protruding screw heads. The belt remains clean, the workflow is seamless.
- **SUPER-SCREW®** blends in with its set-up, like a seamless system.

WEAR AND IMPACT RESISTANT

- Does your belt have specific thickness? No problem. **SUPER-SCREW®** **adjusts, adapts and molds to your requirements**. The **availability of different thicknesses increases** wear resistance, for greater durability, just like your conveyor belt.
- Different thicknesses, different challenges. We've got the solution.

PERFECT INTEGRATION

- **SUPER-SCREW®** merges with the belt. It becomes a natural extension, an invisible strength.
- No more compromises between strength, durability and scraper compatibility. It's there, unseen.



SUPER-SCREW®



NEW SUPER-SCREW® SPLICE

A combined focus of innovation in a single splicing unit

FULLY INTEGRATED INTO THE BELT

Several thicknesses available for perfect matching into the covers of conveyor belts, even thin ones.

TEXTILE CARCASS

Our patented carcass offers unique resistance to tension.

+65% RUBBER

Up to 65% more cover for a 10-fold increase in service life.

SECURITY WEAR INDICATOR

Unique on the market: visible red section appears when the splice needs to be replaced, so you're never unprepared.

SCREWS

The screws are specifically designed as self-drilling and self-tapping : they separate the belt fibres without cutting into them.

INSERTS

Specially designed inserts for incomparable precise fitting tolerance.

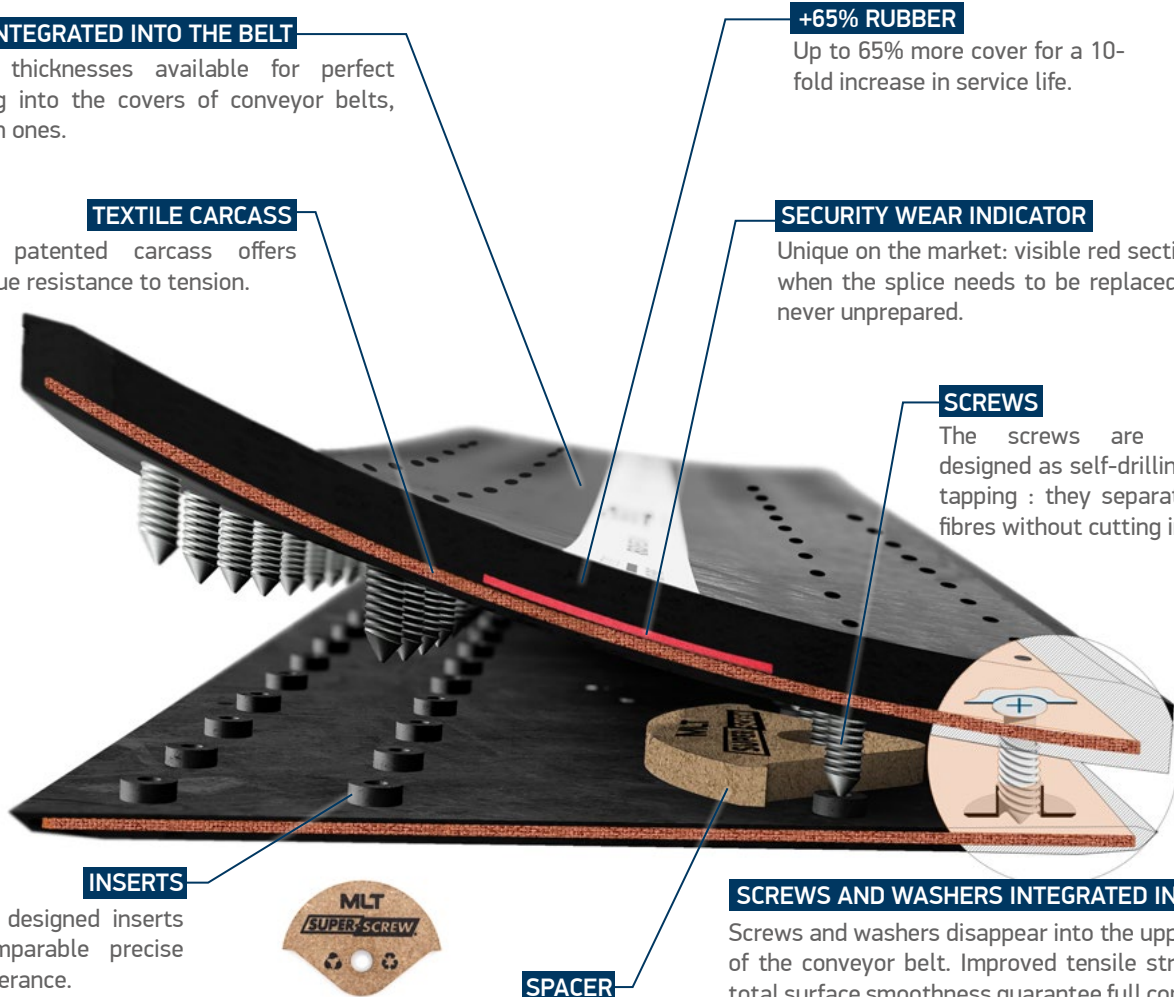


SPACER

A new generation of fully recyclable spacers, designed for identical skiving on both sides.

SCREWS AND WASHERS INTEGRATED IN RUBBER

Screws and washers disappear into the upper surface of the conveyor belt. Improved tensile strength and total surface smoothness guarantee full compatibility with all belt cleaning systems.



SUPER-SCREW® for the most extreme situations

Temperature

from 60°C to +200°C
continuous

Top cover thickness

from 4 to 14 mm

Belt tension

Up to 1800 N/mm

NEW SUPER-SCREW® SPLICE

An incomparable solution

*up to

+65%

OF RUBBER*

+4

THICKNESSES AVAILABLE PER MODEL*

0

SURFACE ROUGHNESS

7^x





FASTER THAN HOT SPLICING

-25%

OF SCREWS*

100%

COMPATIBLE WITH SCRAPERS INCLUDING TUNGSTEN BLADES

STANDARD ABRASION RESISTANT	HIGH ABRASION RESISTANT	HEAT RESISTANT HIGH TEMPERATURE 200°C	OIL RESISTANT FIRE RESISTANT
Standard abrasion resistance	High abrasion resistance	Heat-resistant	Oil resistant / Fire resistant ISO 340 and ISO 284
<150 mm ³ (from -60°C to 70°C)	<50 mm ³ (from -60°C to 70°C)	<150 mm ³ up to 200°C continuous	<115 mm ³ (from -30°C to 120°C)
			

Incomparable fitting tolerance quality

Two material qualities of screws and inserts available

GALVANISED STEEL QUALITY*

Highly resistant, the ideal choice for most situations.



STAINLESS STEEL QUALITY*

Resistant to corrosive and saline environments. For non-magnetic applications.

FOLLOW TIGHTENING SPEED AND TORQUE



- for Ø5 mm screws: Speed 3 with disengaging torque in positions 11 and 15
- for Ø6 mm screws: Speed 2 with disengaging torque in positions 11 and 15
- do not use drill mode

*depending on model

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NEW RANGE SUPER-SCREW®

The alternative to vulcanization,
for all your needs

When working on site, you are regularly exposed to problems in the field.
Find out how **SUPER-SCREW®** splice can help:

Problem

Loss of productivity during machine downtime and big investment in equipment.



REDUCING DOWNTIME

- installation in 1H,
- installation with a simple drill driver,
- only 2 people needed.

Problem

Difficulty in finding a fast, long-life splicing solution.



UNIQUE DURABILITY

Our new Super-Screw® range offers you up to 65% extra cover to ensure the life of your belt.

Problem

Installation with difficult access, harsh weather conditions, staff safety put to the test.



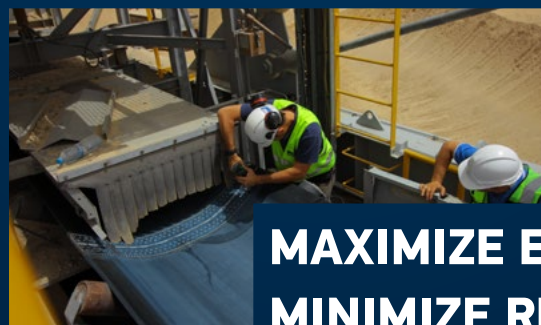
EFFORTLESS INSTALLATION ANYWHERE

Whatever the :

- conveyor configuration,
- access conditions,
- weather conditions,
- temperature.

Problem

Need for qualified technicians, resulting in a lack of skill know-how for existing staff.



MAXIMIZE EFFICIENCY MINIMIZE RESOURCES

SELECTION GUIDE

CHOOSING YOUR SPLICE HAS NEVER BEEN EASIER

To choose your SUPER-SCREW® you will need :

1

Select your **belt type**

2

Select the **cover thickness** for your belt

3

Determine your **splice model** and thickness

4

Select the **cover quality** best suited to your application**.

1	2	3	4					
Belt type N/mm	Belt cover thickness	Model	Upper splice thickness mm	Rubber thickness, mm	Standard abrasion resistant 150mm ³	High abrasion resistant 50mm ³	Heat resistant High temperature 200°C - 150mm ³	Oil resistant Fire resistant 115mm ³
EP 250/2	2+0	35	4*	2	x	x		x
	3+1.5				x	x		x
	4+2				x	x		x
EP 315/2	4+2				x	x		x
EP 400/2	4+0	63	4*	2	x	x	x	x
EP 400/3	3+1.5				x	x	x	x
EPP 500/1	4+2				x	x	x	x
EP 500/2	4+0				x	x	x	x
EP 500/3	4+2				x	x	x	x
EPP 500/1	4+3				x	x	x	x
EP 630/3	4+2				x	x	x	x
EP 630/4	6+2	80	6	4		x	x	x
EPP 630/1	8+3		8	6		x	x	x
EP 800/3	6+2	80	6*	3	x	x	x	x
EP 800/4	6+3				x	x	x	x
EP 800/5	8+3		8	5		x	x	x
EPP 800/1	10+4		10	7		x	x	x
EP 1000/3	6+2	100	6*	3	x	x	x	x
EP 1000/4	6+3				x	x	x	x
EP 1000/5	8+3		8	5		x	x	x
EPP 1000/2	10+4		10	7		x	x	x
EP 1250/3	6+2	125	8*	2	x	x	x	x
EP 1250/4	8+3				x	x	x	x
EP 1250/5	10+4		10	4		x	x	x
EPP 1250/2	12+5		12	6		x	x	x
	14+5		14	8		x	x	x

*Security wear indicator not available on this thickness.

**If you can't find the right splicing for your belt, please contact us: communication@mltgroup-conveyor.com

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SELECTION GUIDE

CHOOSING YOUR SPLICE HAS NEVER BEEN EASIER

① Belt type N/mm	② Belt cover thickness	③ Model	Upper splice thickness mm	Rubber thickness, mm	④ Standard abrasion resistant 150mm ³	High abrasion resistant 50mm ³	Heat resistant High temperature 200°C - 150mm ³	Oil resistant Fire resistant 115mm ³
EP 1400/3 EP 1400/4 EP 1400/5 EPP 1400/2	6+2	180	8*	2		x	x	x
	8+3					x	x	x
	10+4		10	4		x	x	x
	12+5		12	6		x	x	x
	14+5		14	8		x	x	x
EP 1600/3 EP 1600/4 EP 1600/5 EPP 1600/2	6+2		8*	2		x	x	x
	8+3					x	x	x
	10+4		10	4		x	x	x
	12+5		12	6		x	x	x
	14+5		14	8		x	x	x
EP 1800/3 EP 1800/4 EP 1800/5 EPP 1800/2	6+2		8*	2		x	x	x
	8+3					x	x	x
	10+4		10	4		x	x	x
	12+5		12	6		x	x	x
	14+5		14	8		x	x	x

Our new generation of splices for belts over **EP 1800** are on their way, in the meantime, our **SUPER-SCREW® ORIGINAL** range remains available to meet your needs.

Belt type N/mm	Belt coating thickness	Model	Abrasion resistant	Oil resistant	Fire resistant
EP 2000/5 - EP 2000/6	6+2	200	x	x	x
	6+3		x	x	x
	8+3		x	x	x
	10+3		x	x	x
>2000	6+2	250	x	x	x
	6+3		x	x	x
	8+3		x	x	x
	10+3		x	x	x
			200	250	
Width of SUPER-SCREW®, mm			266		
Width to be skived on trailing edge, mm			126		
Width to be skived on leading edge, mm			140		
Top Cover Thickness, mm (± 1 mm)			8.5	10.5	
Bottom Cover Thickness, mm (± 1 mm)			6	8	

*Security wear indicator not available on this thickness.

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TECHNICAL DATA

Find the right SUPER-SCREW® for your needs

Model	35	63			80			100			125				180			
	4	4	6	8	6	8	10	6	8	10	8	10	12	14	8	10	12	14
Top thickness, mm (± 1 mm)	4	4	6	8	6	8	10	6	8	10	8	10	12	14	8	10	12	14
Rubber thickness, mm	2	2	4	6	3	5	7	3	5	7	2	4	6	8	2	4	6	8
Bottom thickness, mm (± 1 mm)	3	3			5			5			5				5			
Splice width, mm	72	116			161			161			238				238			
Skiving width, mm	37	59			81			81			120				120			
Packaging*																		
500 mm kit	x	x	x															
650 mm kit	x	x	x		x	x												
800 mm kit	x	x	x	x	x	x	x	x	x	x								
1000 mm kit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1200 mm kit	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1400 mm kit				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1600 mm kit											x	x	x	x	x	x	x	x
3 m roll (stainless steel only)	x	x	x	x	x	x		x	x		x				x			
5 m roll (galvanised steel only)	x	x	x	x	x	x		x	x		x	x	x	x	x	x	x	x
7.5 m roll							x			x	x	x			x	x		
10 m roll	x	x	x	x	x	x		x	x				x	x			x	x
15 m roll							x			x	x	x			x	x		
25 m roll	x	x	x	x	x	x		x	x									
Pulley Ø, mm (Tail/Head)	160/200	220/300			270/400			350/400			350/500				400/800			
Number of screws per m	94	188			282			282			186				186			
Screw sizes	5x10 5x12		5x12 5x14		5x16 5x18				6.3x21 6.3x22.5				6.3x24 6.3x25.5					

Your packaging contains :

Kits, mm	Number of spacers	Number of PZ bits	Screws
500	3	1	Included
650	3	1	
800	3	1	
1000	3	1	
1200	3	1	
1400	3	1	
1600	3	1	

Rolls, m	Number of spacers	Number of PZ bits	Screws
3	10	1	Not included, to be ordered separately
5	10	1	
7.5	20	2	
10	20	2	
15	30	3	
25	50	5	



Kit (Screws included)



Roll (Screws not included)



100% recyclable and biodegradable spacer



Screws



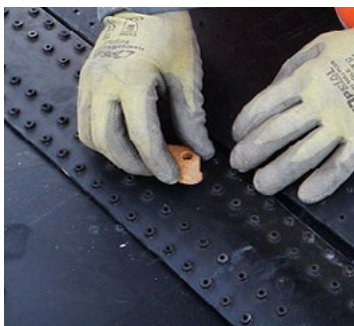
PZ bits

*Availability depending on model

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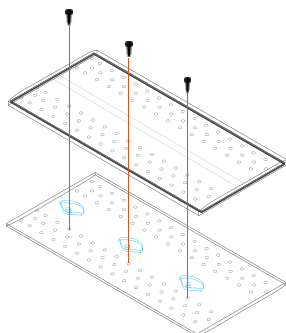
QUICK AND EASY INSTALLATION

Install your splice and restart in 2h



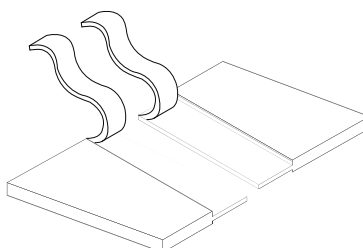
ASSEMBLING

Assemble the upper and lower sections of your SUPER-SCREW® splicing system using the spacers supplied.



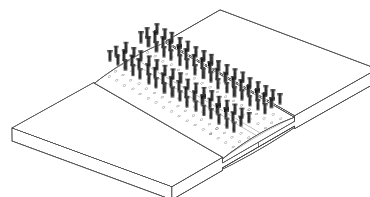
SKIVING

skive the top and bottom covers on each side of your belt.



SCREWING

Screw your splicing onto your belt, systematically spreading the screwing pattern.



COMPLETE CORDLESS DRILL DRIVER/SKIVER PACK

Install your MLT products instantly

Beltskiving

- 1 cordless belt skiver
- 6 sharp blades center style for belt skiver (2/3/4/6/8/10 mm)
- 1 trapezoidal sharpening stone

Making

- 1 bit holder with magnet and locking system
- 1 silver ball point pen
- 1 measuring tape with control lock (5 m)
- 1 quick charger
- 2 batteries
- 1 cutter
- 10 cutter blades

Powered driving

- 1 cordless power drill driver
- 2 drill driver bits (PZ 2 & PZ 3)

Finishing

- 1 HSS Supercut blade ø 80 mm for belt cutting

IPE

- 1 pair cut resistant gloves
- 1 pair eye protection glasses





SUPER-SCREW®

PATENTED PRODUCT
MADE IN FRANCE

MLT Conveyor Solutions Expert

More than 70 years of innovation
at your service



Distributor logo



Conveyor Solutions Expert

www.mltgroup-conveyor.com - info@mltgroup-conveyor.com